StatView is about time.

Saving time - your time.


In less time than it takes to learn most data analysis programs, you get your results with StatView.

StatView is designed to work with you. The software's flexible and intuitive interface allows you to analyze data the way you want to.

StatView features fully integrated statistics, data management, graphing and presentation tools - all the tools you need to get your work done.

And with StatView, your time is never wasted.

StatView's innovative templates allow you to save all your work simply by saving the document. You can open that template at any time to resume your analysis. Or apply it to any other data set.

Whether you need to analyze data on a daily basis or only every couple of months, StatView's unprecedented ease of use will save you time and effort.

Isn't it about time you used StatView?

Creating an analysis is as easy as clicking your mouse.

FOR MORE INFORMATION CALL
1 - 800 - 666 - STAT

ABACUS CONCEPTS
THE SIGNIFICANT DIFFERENCE™
1918 Bonita Avenue, Berkeley, CA 94704-1014
Phone: 510-540-1949, Fax: 510-540-0240
Internet: info@abacus.com

We have localized, international and student versions of StatView and license, academic and quantity discounts. Call for more information.
ISCAN eye tracking products set the pace for performance and affordability in the research marketplace. Applications include fixation monitoring, vision research, advertising research, psycho-visual experiments, reading studies, toxicology, human factors evaluation and drug or alcohol response.

Non-invasive, real-time video image processors automatically measure pupil position and size and compute subject’s point of gaze. Benchtop, head mounted and high speed versions as well as computer data analysis software are available. Complete Eye Movement Monitoring Laboratories or component systems can be provided to suit any research application.

ISCAN, Inc.
P.O. Box 382076
Cambridge, MA 02238-2076 USA
Tel: 617-273-4455 Fax: 617-273-0076

Circle No. 21 on Readers’ Service Card

The "Gold Standard" in Hematopoietic Culture Reagents

- Methylcellulose-based media for colony assays of hematopoietic progenitors
- Long-term culture media for assays of the most primitive progenitors
- Pre-selected Sera and Serum Substitutes
- Pre-tested Tissue Culture Supplies

ClonaCell™-HY

Faster and more efficient than conventional methods for generating hybridomas. HAT selection and cloning of hybridomas are performed in a single step. No more limiting dilutions!

StemSep™

The Simpler, Cleaner Alternative Lineage Depletion one step magnetic cell separation. Cells are never labeled with antibody. Reproducibly high recoveries (70%-85%) of CD34+ cells are available.

In Canada and the U.S. available direct from:

StemCell Technologies Inc.
808 - 777 West Broadway
Vancouver, BC
Canada V6J 4J7
Tel: (604) 877-0713
Fax: (604) 877-0704
Toll Free Tel: 1-800-667-0322
Toll Free Fax: 1-800-667-2899

International Distributors:
- Australia: AMRAD Pharmaceutical Biotech Ltd., Tel: 03-9252-2465, Fax: 03-9987-3912
- Austria: CellSystems, Tel: 02228-4007, Fax: 02228-8555
- Czech Republic: LVB Older, Tel: 0042-491-1011
- France: TEUF Tel: 1-34-84-62-59, Fax: 1-34-84-83-57
- Germany: CellSystems, Tel: 02282-4007, Fax: 02282-8555
- Greece: ANTICELL, Tel: 01-329-92-56, Fax: 01-329-1916
- Italy: FORMED, Tel: 02-35001, Fax: 02-35009
- Japan: Nihon Medico Ind. Ltd., Tel: 03-3453-1325, Fax: 03-3453-1326
- Korea: Biomedical & Science Co. Ltd., Tel: 02-553-6802, Fax: 02-553-6870
- The Netherlands: FTK Diagnostics bv Tel: 02975-68859, Fax: 02975-63458
- Spain: LABNUC, Tel: 0042-491-3916, Fax: 0042-491-3916
- UK: Metachem Diagnostics Ltd., Tel: 01504-87070, Fax: 01504-870194

ALL PRODUCTS ARE FOR RESEARCH USE ONLY
Stop by the Elsevier Booths #1301-1306 at the 1995 Society for Neuroscience to...

**Experience the Latest Electronic Products**
Ask for a demonstration of...
- Neuroscience Protocols
- Interactive Anatomy on CD-ROM
- Vaccine Online
- Elsevier's Encyclopedia of Neuroscience prototype
- OPAL Modules
- The Elsevier Catalog on Internet
- Gene-COMBIS
- Immunology Today Online

**Sign Up for CONTENTSDIRECT**
The fastest pre-publication electronic alerting service — **FREE** from Elsevier Science. Sign up to receive the forthcoming contents of your favorite Elsevier neuroscience journal via e-mail approximately 2-4 weeks prior to publication.

**Pick Up a Free Journal Sample**
As always, free sample copies of the many Elsevier neuroscience journals will be yours for the taking.

**Read About the Latest Research Results in BRAINSCAN!**
Pick up a **FREE** copy of BRAINSCAN, Elsevier's Neuroscience Current Awareness Service. Each issue will include discount coupons on Elsevier products which can be redeemed on purchases made at the show.

**Take a Load Off Your Feet**
We will once again have a "relaxation area" where you can sit on a sofa and put your feet up after a long tour of the exhibit hall.

*Be sure to stop by for all this and more!*
W O U L D N ' T
F R E S H
T I S S U E S E C T I O N I N G
B E
E A S I E R
if cutting uniform sections were automatic,
serial sectioning were fully programmable,
ice cubes stayed in the fridge,
a microprocessor would let you devote your attention
to the quality and retrieval of the sections,
it were all on a menu,
NOW satisfaction were assured by on-demand service?
N O W IT IS!

V I B R A T O T O M E
S E R I E S 3 0 0 0 *
Automated and/or refrigerated fresh/fresh fixed tissue
sectioning system. No freezing or embedding.
From the helpful, friendly, courteous, kind, cheerful, loyal,
thrifty, brave, clean and reverent people who brought you
the original Vibratome, now comes the ultimate,
Vibratome 3000,
functional, versatile, sturdy, dependable, serviceable,
economical.

*Replaces the Series 2000. Got one? Call us, we'll help.
PRODUCTS & MATERIALS

Replication System
The Nunc Replication System consists of products designed for the 384 Well Plate and OmniTray. The products can be used for replication of recombinant DNA libraries, inoculation of filters for colony hybridization, phage typing, and several other applications. Pall Biodyne B nylon membranes are cut to fit the OmniTray for manual or automated arraying directly on a solid support. The 384 and 96 Pin Replicators are for transferring small volumes of inoculum from MicroWell plates to other plates or solid supports. The MicroWell Plate and OmniTray Copiers have a unique set of alignment holes used to guide the replicator pins. They precisely register the pins to agar, hybridization membranes, or the wells of the MicroWell plates. Nunc. Circle 136.

Statistical Analysis Software
Derwent InfoView software is designed to enable users to perform statistical analysis more rapidly and efficiently. The software converts structured data files into manageable and useful information. Once the conversion is complete, the analysis can be displayed in easy-to-read graphs and charts that can be printed, downloaded, or exported to other software programs. The complexity of the analysis is up to the user. The program runs under Microsoft Windows. Derwent Information. Circle 137.

IgG Antibody Purification
QUICKProtein A is a new system for antibody purification. The system is comprised of two columns. The first column incorporates monoaldehyde linkage chemistry to couple protein A to 4% cross-linked agarose beads. A non-denaturing elution buffer is used to gently elute the antibody, which then flows onto a second column. The second column performs the buffer exchange into a physiological buffer. The antibody is then ready to use. The entire run takes less than 1 hour. Sterogene. Circle 138.

NEW! Kinase Max™
5’ End Labeling Kit produces 1.5-3 times the yield than kits utilizing standard kinase buffers.

DECAPrime™ II
For high specific activity DNA labeling with the random priming method. Fast five minute reaction maximizes probe yield and specific activity.

NEW! Prime-A-Probe™
For strand specific DNA probe synthesis. The kit utilizes specific primers and your linearized plasmid DNA to produce high specific activity probes for S1, Southern or Northern assays.

Contact us today for information on our full range of nucleic acid labeling kits for your specific applications.

(512) 445-6979 (512) 445-7139 FAX (800) 888-8804

Circle No. 60 on Readers’ Service Card

NEWLY OFFERED instrumentation, apparatus, and laboratory materials of interest to researchers in all disciplines in academic, industrial, and government organizations are featured in this space. Emphasis is given to purpose, chief characteristics, and availability of products and materials. Endorsement by Science or AAAS is not implied. Additional information may be obtained from the manufacturers or suppliers named by circling the appropriate number on the Readers’ Service Card and placing it in a mailbox. Postage is free.
tories at affordable prices. Typical applications of QuantiCell include imaging and calibrated measurement of ion-sensitive optical probes such as the family of intracellular calcium probes, pH-sensitive fluorescent probes, and membrane potential probes. It is provided as a fully integrated package with a custom-designed frame-grabber, high-speed filter wheel controller, and intensified charge-coupled device camera to enable acquisition of images much fainter than the human eye can detect. Applied Imaging. Circle 141.

Antibodies

Several highly specialized antibodies for intracellular and extracellular markers include monoclonal antibodies that recognize specific organelle proteins such as mannosidase II and nuclear pore complex proteins, which can be useful in researching the Golgi apparatus and nuclear envelope. A polyclonal antibody specific for involucrin can be used to study terminal differentiation in the upper layers of the epidermis. Berkeley Antibody Company, BAbCO. Circle 142.

Antibodies are available to calpain and calpastatin for use in immunohistochemistry and protein immunoblotting, with research applications in cell division, intracellular signal transduction, platelet activation, and neurological functions. Chemicon International. Circle 143.

Coat polyclonal antibodies to adhesion molecules human ICAM-1, E-selectin, and VCAM-1 are available. The antibodies are suitable for immunocytochemistry on paraffin-embedded tissue sections. R&D Systems Europe. Circle 144.

Electroelution System

The Eluticon is an electroelution system for eluting fragments directly into horizontal gel boxes. It minimizes the steps to elute nucleic acid or protein fragments from agarose or polyacrylamide gels. An innovative band cutter removes a fragment from the stained gel. Placed in a specially designed rack, a concentrator holds the gel fragment and catches the sample when released during electroelution. Finally, the unit is spun in a vial to recover the sample from the buffer. Yields are as high as 90%. Owl Scientific. Circle 145.

Literature

Biomanufacturing Bulletin is a newsletter directed at those involved in industrial process development and manufacturing. Life Technologies. Circle 146.

Mirage Scientific and Medical Imaging is an eight-page guide with details on these systems' image processing, analysis, and management capabilities. DataCell. Circle 147.

The Nest Group Idea Book is a catalog of electrophoretic and chromatography separation supplies for proteins, peptides, and nucleic acids. The Nest Group. Circle 148.


Porsche Power on a PC, or a Mac, or a Sun Workstation.

If you use electrophoresis in your research, chances are you’re not taking full advantage of the technique by using image analysis—probably because the software you tried was either difficult to use or limited in what applications it could support.

Perform a wide variety of analytical tasks quickly and easily with Bio Image IQ™ Software. This menu-driven package is self-installing and self-tutoring. IQ software supports whole band 1-D, 2-D, blot analysis, and colony/plaque counting. Prepare reports, annotate images for publication, and compare data in your favorite spreadsheet and database programs—all without leaving your keyboard.

Take IQ software for a test drive. To receive your demo disk, call us or e-mail sales@bioimage.com.

Bio Image USA
TEL: (313) 930-9900
FAX: (313) 930-0990

Bio Image France
TEL: (1) 48.63.24.25
FAX: (1) 48.63.72.99

Bio Image U.K.
TEL: (44) 1270-886192
FAX: (44) 1270-886100

Nihon Bio Image, Ltd.
TEL: (81) 3-3280-0990
FAX: (81) 3-3280-0991
Organic, Inorganic, Crystals, Zeolites, Biochemistry / Student, Researcher, Lecturer.

MARUZENCO.LTD. INTL DIV. INTL SALES DEPT
PO BOX 5050. Tokyo International, 100-13 JAPAN
Fax: 81-3-3274-2114 Phone: 81-3-3278-9224

Look in the Stoelting Catalog...
For your Physiology instrumentation needs.

Circle No. 86 on Readers' Service Card

If you don't already have the Stoelting catalog,
call today for your free copy.
Stoelting, 620 Wheat Lane, Wood Dale, Illinois 60191 U.S.A.
Phone: (708) 860-9700 Fax: (708) 860-9775

P.S.-Ordering is easy. We can ship direct on international orders!

Circle No. 28 on Readers' Service Card

<table>
<thead>
<tr>
<th>Item</th>
<th>Size</th>
<th>Non-Mem.</th>
<th>Member</th>
<th>Discount</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural T* (M, L, XL)</td>
<td>$13.50</td>
<td>$10.80</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Navy T* w/color (M, L, XL)</td>
<td>$17.95</td>
<td>$14.35</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Science Cards (12)</td>
<td>$13.50</td>
<td>$10.80</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Blue and White Mug</td>
<td>$12.50</td>
<td>$10.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Navy &amp; Natural Cap</td>
<td>$13.50</td>
<td>$10.80</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gold-toned Lapel pin</td>
<td>$4.75</td>
<td>$3.80</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Subtotal                          |             |          |        |          |       |
Shipping and handling              |             | $4.00    |        |          |       |
DC and California sales tax        |             |          |        |          |       |
For foreign air mail               |             |          |        |          |       |
For shipments to Canada, add 7% GST tax | |          |        |          |       |
Total                              |             |          |        |          |       |

(1) All payments must be in U.S. dollars.
* all items are 100% cotton
† Laser-etched porcelain

Name and Address (please print)    |
Name ____________________________|
Address _________________________|
City, State, Zip Code ____________|
Province, Country, Postal Code   |
Payment information: [ ] Check/Money Order enclosed [ ] MC/Visa
Credit card number ________ Exp. date ________
Signature ______________________|

Mail To: AAAS Distribution Center, P.O. Box 521, Annapolis Junction, MD 20701 or FAX (301) 206-9789, Credit Card orders by Phone 1-800-222-7809

AAAS with Pride!

In three years AAAS will celebrate its 150th anniversary. Get an early start by ordering your AAAS products now! Each attractive, high-quality item features the new AAAS logo. What's more, a portion of each sale goes to support 150th anniversary activities in 1998.

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE
INTRODUCING THE Ames II ASSAY... DEVELOPED* TO REPLACE THE ORIGINAL.

NEW Ames II—MORE SENSITIVE, MORE SPECIFIC, MORE QUANTITATIVE THAN THE ORIGINAL Ames ASSAY

Ames II, a new version of the Ames Assay, has been developed to identify base-pair substitution mutations upon detection of mutagens. Ames II comes in a 96 and 384-well microtiter format for easy use.

Six Salmonella typhimurium strains have been constructed, each of which carries a different missense mutation in the histidine operon that is designed for reversion via the base substitution unique to each strain. The strains have been combined for use as a single rapid screening mixture.

Ames II identifies missense mutational spectra caused by mutagens without the need to sequence. Low spontaneous reversion frequencies allow detection of mutagens at lower concentrations without loss of sensitivity to a large range of doses.

For more information, or to order, contact:
In United States: Xenometrix, Inc.
2860 Wilderness Place • Boulder, CO 80301
Tel: (303)447-1773 • Fax: (303) 447-1758
Toll Free in USA: 1-800-436-2869
In Japan: Funakoshi Co., Ltd
+81-3-5684-1622
In UK: Cambridge Bioscience
++44-1223-316855
In Switzerland: Xenometrix GmbH
++41-61-482-1434

The Xenomatrix™
The Xenomatrix™ integrates results from a variety of Xenometrix tests into a single database. It then produces a unique "fingerprint" for individual compounds, which graphically demonstrate different toxicological end points and provide internal confirmation from different tests that a compound is, or is not, problematic for a particular human cell or tissue.


Circle No. 89 on Readers' Service Card
MOLECULAR RESEARCH CENTER, INC. presents

SMART SOLUTIONS

The most reliable and cost-effective reagents for DNA and RNA isolations. Using separation technology based on the recognition of target molecules by a liquid phase, these innovative reagents outperform traditional DNA and RNA isolation methods. No enzymatic treatments! No columns! No prolonged protocols!

DNAzol™, a new standard of simplicity and effectiveness in the isolation of high quality genomic DNA, developed by P. Chomczynski.

- Requires only 10 - 30 minutes
- Effective with cells, tissue and liquid samples, including blood.
- No phenol or other toxic agents
- Isolated DNA is ready for Southern blotting, restriction analysis, PCR, molecular cloning and other applications.

TRI REAGENT®, the most advanced version of the single-step method of RNA isolation.

- Isolates high quality total RNA in less than one hour
- Can be used to simultaneously isolate RNA, DNA and proteins
- Effective with cells, tissue and liquid samples, including blood.
- Isolated RNA is ready for Northern blotting, RT-PCR and other applications.

For information or to place an order from USA, Canada and countries not listed below call 1-800 462-9868, 513-841-0900 or Fax 513-841-0080.

AUSTRALIA: A.G.P. Technologies Pty Ltd 61-7-3419702 Fax 61-7-841-3422; FRANCE: Euromedex 33-88-180722 Fax 33-88-180725;
GERMANY: BioTech Trade & Service GmbH 49-6227-51306 Fax 49-6227-53894; INDIA: Lab Care Products 91-11-6425156 Fax 91-
11-6425156; ISRAEL: Tel Rom 972-6-472563 Fax 972-6-471156; ITALY: Bio-Optica Milano SpA 39-2-2640274 Fax 39-2-215300;
KOREA: Choong II Chemical, Inc 822-2946411 Fax 822-2836556; MALAYSIA: Technicinvest Sdn. Bhd 603-6320998 Fax 603-632-
0994; SWITZERLAND: Lucerna Chem Ag 41-41-369636 Fax 41-41-369656; TAIWAN: Pan Asia Biomedical Technology, Inc 886-2-
7418169 Fax 886-2-7764372; UNITED KINGDOM: Molecular Research Centre Oxford 44-1993-706736 Fax 44-1865-351511.

Circle No. 29 on Readers' Service Card

HEAT SHOCK / STRESS RESPONSE

THE LARGEST SELECTION OF STRESS RESPONSE BIOCHEMICALS

Antibodies Proteins Probes Vectors

Does your area of study involve stress proteins?

Many Do!

Disease States Normal Cellular Influences Environmental Stressors

Fever Cell Cycle Amino Acid Analogues
Hypertrophy Development & Differentiation Chemotherapeutic Agents
Inflammation Growth Factors Heat Shock
Oxidant Injury Malignancy Inhibition of Energy Metabolism
Ischemia Molecular Chaperones Transition Heavy Metals
Viral Infection

For a Free Catalog or Information Call Toll Free (US): (800) 661-4978
Tel: (604) 744-2811 Fax: (604) 744-2877

StressGen BIOTECHNOLOGIES CORP
120-4243 Glenford Avenue, Victoria, B.C., CANADA V8Z 4B9

AMS BIOTECH LTD, DENMARK, NORWAY, SWEDEN: Tel 46-8-8520223 SPAIN: Tel 34-1-433-6643 SWITZERLAND: Tel 41-91-805522 • BIOCLONE LTD, UK, AUSTRALIA, NEW ZEALAND: Tel 61-2-677-1588 • BIODIL GmbH, GERMANY: Tel 49-40-55-39000 • BIOCUT LTD, UNITED KINGDOM: Tel 44-12-577-7777 • BROWNS SCI CO, TAIWAN: Tel 886-2-821-3004 • CAIRO CHEM CO, EGYPT: Tel 02-2961555 • DIAGNOSTIC BROKERS ASSOC, ITALY: Tel 39-3-264-146-76 • ENCO SCI, SVC, ISRAEL: Tel 972-6-934-2000 • ESSENCE INTL CORP, KOREA: Tel 82-2-579-5933 • FANTEX, S.A., GREECE: Tel 30-1-694-452 • FENG JIH CO, LTD, TAIWAN: Tel 886-2-847-8955 • FUJINAKOS CO LTD, JAPAN: Tel 81-3-5650-1827 • KUBERAN ENT, MALAYSIA: Tel 30-7-772755 • KORAM BIOTECH CORP, KOREA: Tel 82-2-550-0331 • PROTECH CO LTD, TAIWAN: Tel 886-2-7764372 • SABIO, BELGIUM, THE NETHERLANDS, AND LUXEMBOURG: Tel 31-4132-51115 • SPACE, ITALY: Tel 39-2-25-75-377 • SABIO, AUSTRIA: Tel 43-1-3853-33010 • TEBU FRANCE: Tel 33-1-3853-33010

Circle No. 48 on Readers' Service Card
**Luminescence Products for BioResearch**

**Tropix...**
Sensitive Detection with Luminescence

**NUCLEIC ACID DETECTION**

**Southern-Light™**

- **Southern Blotting**
  - Sensitive: detect less than 1 pg of DNA
  - Non-radioactive
  - Rapid film exposures
  - **NEW!** FLUORESCIN detection kit
  - Also available for biotin

Circle No. 113 on Readers’ Service Card

**PCR-Light™**

- **Quantitative PCR**
  - Sensitive luminescent method - detects over a wide target concentration
  - Accurate quantitation of RNA or virus

Circle No. 114 on Readers’ Service Card

**PROTEIN DETECTION**

**ELISA-Light™**

- **Immunoassay**
  - Ultrasensitive detection compared to all other methods

Circle No. 110 on Readers’ Service Card

**Western-Light™**

- **Immunoblotting System**
  - Sensitive: picogram quantities of protein detected
  - Long-lived light signal permits multiple exposures
  - Fast: exposures in minutes

Picogram detection with Western-Light™

Circle No. 111 on Readers’ Service Card

**New!**

**CDP-Star™**

- **Alkaline Phosphatase Substrate**
  - Greatest signal intensity
  - Ideal for blotting and immunoassay applications

Circle No. 112

**REPORTER GENE ASSAYS**

**Galacto-Light™**

- **β-Galactosidase Assay**
  - Rapid (<25 min), non-isotopic, easy to use
  - Up to 1000 times more sensitive than CAT assays
  - High sensitivity (2 fg) and wide dynamic range (>10⁶) are ideal for normalizing transfection efficiency in luciferase and other assays.

Circle No. 115 on Readers’ Service Card

**Phospha-Light™**

- **Secreted Placental Alkaline Phosphatase Assay**
  - Measures <10 fg of SEAP
  - Sample media; cells left intact for further experimentation
  - Transfection normalization of other luminescence assays

Circle No. 116

**GUS-Light™**

- **GUS Gene Assay**
  - Rapid: results in less than 1 hour
  - Approximately 100 times more sensitive than fluorescent or colorimetric assays.

Circle No. 117

47 Wiggins Avenue
Bedford, Massachusetts 01730
TEL: 617-271-0045 or 800-542-2369 FAX: 617-275-8581 Internet Mail: Tropix@BioTechNet.com

For information on all products above, Circle Reader Service No. 118
The Department of Neurosurgery is seeking applicants to fill two tenure-track faculty positions to expand our Departmental interest in neural plasticity. Areas of specific interest include: the study of learning and memory, using either molecular approaches or neurophysiological recordings in behaving animals (including primates), and genetic or molecular aspects of CNS development.

A search to fill two additional positions in these areas will continue until the positions are filled. A newly renovated building dedicated to neuroscience research, including new cell culture, histology, microscopy and animal care/surgical facilities, and generous research space, will be available.

Candidates must have a Ph.D. or M.D. and postdoctoral experience, show evidence of ability to establish an independent, externally funded research program, and demonstrate the potential for excellence in teaching. Brown has active graduate programs in neuroscience and molecular and cell biology.

Applications received by December 31, 1995 will receive full consideration. Submit a curriculum vitae, a set of representative reprints, a concise description of research interests and goals, and a Change for three letters of reference to: Mark Bear, Search Committee, Department of Neurosurgery, Box 1953, Brown University, Providence, RI 02912. We encourage women and minorities to apply. Brown University is an Equal Opportunity/Affirmative Action Employer.

STROKE NEUROSCIENTIST

DEPARTMENTS OF CELLULAR BIOLOGY

AND

NEUROLOGY AND NEUROSURGERY

Schumpert Chair in Neurobiology

Full-time tenure-track, joint position available January 1, 1996. Applicants should have a Ph.D. or M.D., postdoctoral experience, and a record of excellent research accomplishments in cell/molecular biology of stroke or related diseases. Candidates should have an established record of extramurally funded research support and be willing to participate in the Neuroscience graduate program. Faculty rank will be commensurate with level of experience. A very attractive package including Schumpert Chair, research facilities and start-up funds is available. Send curriculum vitae and description of current and future research plans to:

Leonard L. Seelig, Ph.D.
Department of Cellular Biology and Anatomy
P.O. Box 33932
Shreveport, LA 71130

Louisiana State University Medical College is an Affirmative Action Employer.

ASSOCIATE ASSOCIATE PROFESSOR

THE DEPARTMENT OF ANIMAL SCIENCE, COLLEGE OF VETERINARY MEDICINE, THE UNIVERSITY OF TENNESSEE, ANNOUNCES AN OPENING FOR A TENURE-TRACK ASSOCIATE ASSOCIATE PROFESSOR OF EXPERIMENTAL ANIMAL PHYSIOLOGY. This position is available to begin Fall 1995. The successful candidate is expected to have a Ph.D. in Animal Science or a related field, with demonstrated expertise in research involving physiological and molecular aspects of animal reproduction and lactation.

Applications should be submitted before January 31, 1995 to:

Dr. R. C. Brown
Department of Animal Science
College of Veterinary Medicine
The University of Tennessee
Knoxville, TN 37901

TENURE-TRACK position available for a Ph.D. or M.D. with experience and expertise in conducting laboratory research in molecular and cellular biology with specific emphasis in one or more of the following areas: signal transduction, tumor suppression genes, tumor invasiveness, or molecular strategies for solid tumor therapy. Experience with brain tumors is encouraged. Salary, merit review, and benefits are highly competitive. Send curriculum vitae, summary of research interests, and references to: Ross M. Sawaya, M.D., Professor and Chairman, Department of Neurosurgery, Box 64, University of Texas M.D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030.

Equal Opportunity/Affirmative Action Employer. Smoke-free environment.

ASSISTANT PROFESSOR

DEPARTMENT OF NEUROLOGY

TENURE-TRACK position available for a Ph.D. or M.D. with experience and expertise in conducting laboratory research in molecular and cellular biology with specific emphasis in one or more of the following areas: signal transduction, tumor suppression genes, tumor invasiveness, or molecular strategies for solid tumor therapy. Experience with brain tumors is encouraged. Salary, merit review, and benefits are highly competitive. Send curriculum vitae, summary of research interests, and references to: Ross M. Sawaya, M.D., Professor and Chairman, Department of Neurosurgery, Box 64, University of Texas M.D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030.

Equal Opportunity/Affirmative Action Employer. Smoke-free environment.

ASSISTANT PROFESSOR

HUMAN MICROSCOPIC ANATOMY

Applications are being accepted for a TENURE-TRACK faculty position as a Human Microscopic Anatomy Chair in the Department of Anatomy at the Ohio University College of Medicine (NEUOCOM). Proposed starting date for the position is July 1, 1996. A successful candidate is expected to have a proven record of excellence in teaching, with a demonstrated ability or a potential to attract extramural funding. Preference will be given to candidates who use modern cell and molecular biology techniques to address problems in the area of developmental biology. Research interests of current faculty in the Department include: nerve-muscle and cell-cell interactions. Teaching responsibilities include participation in the 14-week Microscopic Anatomy course for medical students. Candidates also have the opportunity to develop graduate courses that relate to developmental biology, start-up funds, and facilities for research are competitive.

NEUOCOM, in consortium with Kent State University, The University of Akron, Youngstown State University, and eight teaching hospitals offer a combined B.S./M.D. degree. Basic medical science faculty participate in graduate programs leading to Ph.D.'s in the areas of neuroscience, cellular and molecular biology, physiology, pharmacology, and biological anthropology through the School of Biomedical Sciences at Kent State University. The Department of Anatomy currently has six full-time faculty positions.

Applicants are requested to forward their curriculum vitae, a statement of research interests, and the names of at least two references by January 1, 1996 to: Dr. Joseph Walro, Ph.D., Chairman, Human Microscopic Anatomy Search Committee, Department of Anatomy, Northeastern Ohio Universities College of Medicine, P.O. Box 95, Rootstown, OH 44272-0095. NEUOCOM is an Equal Opportunity/Affirmative Action Employer.

GENERAL AND MARINE BIOLOGY

The Department of Biology at the University of Central Florida invites applications for a tenure-track faculty position at the ASSISTANT PROFESSOR level starting Fall 1996. We seek an individual to teach a large introductory biology course sequence for majors. We are interested in individuals who have experience working in marine biology, especially in the physiological or behavioral ecology of marine animals. The successful candidate will be expected to establish an active, externally funded research program and will teach at the undergraduate and graduate levels and direct M.S. graduate students in her/his area of specialization. A Ph.D. and postdoctoral experience or equivalent are required. Candidates should submit a curriculum vitae, names, addresses, and telephone numbers of three professional references, and statements of research and teaching interests to: Llewelyn M. Ehrtahrt, Biology Search Committee Chair, Department of Biology, University of Central Florida, Orlando, FL 32816-2368. Submissions must be postmarked by January 2, 1996. Florida law dictates that all application materials and selection procedures are available for public review. The University of Central Florida is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR

DEPARTMENT OF NEUROSURGERY

TENURE-TRACK position available for a Ph.D. or M.D. with experience and expertise in conducting laboratory research in molecular and cellular biology with specific emphasis in one or more of the following areas: signal transduction, tumor suppression genes, tumor invasiveness, or molecular strategies for solid tumor therapy. Experience with brain tumors is encouraged. Salary, merit review, and benefits are highly competitive. Send curriculum vitae, summary of research interests, and references to: Ross M. Sawaya, M.D., Professor and Chairman, Department of Neurosurgery, Box 64, University of Texas M.D. Anderson Cancer Center, 1515 Holcombe Boulevard, Houston, TX 77030. Equal Opportunity/Affirmative Action Employer. Smoke-free environment.

ASSISTANT PROFESSOR

NEUROSCIENCE

Brown University

The Department of Neuroscience is seeking applicants to fill two tenure-track faculty positions to expand our Departmental interest in neural plasticity. Areas of specific interest include: the study of learning and memory, using either molecular approaches or neurophysiological recordings in behaving animals (including primates), and genetic or molecular aspects of CNS development.

A search to fill two additional positions in these areas will continue until the positions are filled. A newly renovated building dedicated to neuroscience research, including new cell culture, histology, microscopy and animal care/surgical facilities, and generous research space, will be available.

Candidates must have a Ph.D. or M.D. and postdoctoral experience, show evidence of ability to establish an independent, externally funded research program, and demonstrate the potential for excellence in teaching. Brown has active graduate programs in neuroscience and molecular and cell biology.

Applications received by December 31, 1995 will receive full consideration. Submit a curriculum vitae, a set of representative reprints, a concise description of research interests and goals, and a Change for three letters of reference to: Dr. Mark Bear, Search Committee, Department of Neuroscience, Box 1953, Brown University, Providence, RI 02912. We encourage women and minorities to apply. Brown University is an Equal Opportunity/Affirmative Action Employer.

STROKE NEUROSCIENTIST

DEPARTMENTS OF CELLULAR BIOLOGY

AND

NEUROLOGY AND NEUROSURGERY

Schumpert Chair in Neurobiology

Full-time tenure-track, joint position available January 1, 1996. Applicants should have a Ph.D. or M.D., postdoctoral experience, and a record of excellent research accomplishments in cell/molecular biology of stroke or related diseases. Candidates should have an established record of extramurally funded research support and be willing to participate in the Neuroscience graduate program. Faculty rank will be commensurate with level of experience. A very attractive package including Schumpert Chair, research facilities and start-up funds is available. Send curriculum vitae and description of current and future research plans to:

Leonard L. Seelig, Ph.D.
Department of Cellular Biology and Anatomy
P.O. Box 33932
Shreveport, LA 71130

Louisiana State University Medical College is an Affirmative Action Employer.

ASSOCIATE PROFESSOR

THE DEPARTMENT OF ANIMAL SCIENCE, COLLEGE OF VETERINARY MEDICINE, THE UNIVERSITY OF TENNESSEE, ANNOUNCES AN OPENING FOR A TENURE-TRACK ASSOCIATE PROFESSOR OF EXPERIMENTAL ANIMAL PHYSIOLOGY. This position is available to begin Fall 1995. The successful candidate is expected to have a Ph.D. in Animal Science or a related field, with demonstrated expertise in research involving physiological and molecular aspects of animal reproduction and lactation.

Applications should be submitted before January 31, 1995 to:

Dr. R. C. Brown
Department of Animal Science
College of Veterinary Medicine
The University of Tennessee
Knoxville, TN 37901-0171. Applications will be reviewed December 1, 1994 and thereafter until the position is filled.

The University of Tennessee is an Equal Employment Opportunity/Affirmative Action/Title VI/Title IX/Section 504/ADA Employer.
Postdoctoral Opportunities In The Biomedical Sciences.

The following research training opportunities are currently available at the National Institutes of Health.

Cell Cycle Regulation
Barbara Thomas, PhD

Mechanisms for regulating cell cycle progression during development are being examined in the Drosophila compound eye. Current efforts are directed towards the phenotypic analysis and molecular cloning of novel loci that interact genetically with rough eye, a gene required for G1 arrest. These studies will begin to define genetic pathways for cell cycle regulation in higher eukaryotes. Applicants must have less than five years of postdoctoral experience. Laboratory of Biochemistry (OE-104), NCI, Building 37, Room 4C19, 37 CONVENT DR MSC 4255, BETHESDA MD 20892-4255.

Clinical Neurocardiology
David S. Goldstein, MD, PhD

Current project topics include PET scanning of sympathetic innervation and function in patients with neurocardiologic disorders; sympathetic nerve recording and microdialysis; catecholamine pharmacology, metabolism, and kinetics; and homeostatic regulation of stress effector systems. Candidates must have an MD or MD/PhD and be interested in neurocardiology as a new discipline in clinical medicine. Clinical Neuroscience Branch (OE-104), NINDS, Building 10, Room 5N214, 10 CENTER DR MSC 4124, BETHESDA MD 20892-1424.

Immunopathology and Molecular Pathology
Chi-Chao Chan, MD

Histopathology of human and experimental immune-mediated ocular diseases is studied using molecular and immunohistochemical techniques. A strong background in molecular pathology and/or immunology is required. Applicants must have completed MD and/or PhD degree, be US citizens or permanent residents, and have less than five years of postdoctoral experience. Laboratory of Immunology (OE-104), NEI, Building 10, Room 10N103, 10 CENTER DR MSC 1858, BETHESDA MD 20892-1858.

Mechanisms of Activated Transcription
David J. Clark, PhD

A position is available to study the mechanisms of activated transcription using yeast minichromosomes as a model system: a physiologically active gene can be isolated with its transcriptional apparatus intact and in its natural context of chromatin. Experience in protein purification or nucleic acid–protein interactions would be an advantage. Applicants must have less than five years of postdoctoral experience. Laboratory of Cellular and Developmental Biology (OE-104), NIDDK, Building 6, Room B11-12, 6 CENTER DR MSC 2715, BETHESDA MD 20892-2715.

Molecular Genetics
Ashok B. Kulkarni, PhD

Genes involved in immune dysregulation, inflammation and phosphorylation processes are being studied. Projects include analysis of mouse mutants generated using gene targeting, generation of animal models for human genetic disorders and development of conditional knockout models.* Applicants should have a strong background in molecular biology, embryology or immunology and must have less than five years of postdoctoral experience. Gene Targeting Research and Core Facility (OE-104), NIDR, Building 30, Room 529, 9000 Rockville Pike, BETHESDA MD 20892. *(PNAS, 90:770 and Genomics, 28:585).

Neuroanatomy/Neurophysiology
Mortimer Mishkin, PhD

A position is available for a neuroscientist trained in anatomy and/or electrophysiology to assist in implementing studies on the structure and function of the macaque's central auditory system. Applicants must have less than five years of postdoctoral experience. Laboratory of Neurophysiology (OE-104), NIMH, Building 49, Room 5A32, 49 CONVENT DR MSC 4415, BETHESDA MD 20892-4415.

Neuron-glia1 Cell Interactions
James T. Russell, PhD

A position is available to study glial neuronal interactions. Problems under investigation include glial cell signals during neuronal activity and cellular communication in glial networks using optical and electrical measurement techniques. Candidates should have extensive experience in electrophysiologic techniques using brain slice preparations. Experience in confocal microscopy desired. Section on Neurological and Mental Health Bases, NIMH, Building 49, Room 5A32, 49 CONVENT DR MSC 4415, BETHESDA MD 20892-4415.

Additional Opportunities

The NIH Delegation Bulletin Board POSTDOC (fellowship positions) and TENURE (tenure track positions) conferences are accessed via a modem (301-496-2221 or 800-356-2221 with parameters set at 7, Even, 1) or the Internet using Telnet (uubnrc.cs.nih.gov) or the World Wide Web (URL: telnet://uubnrc.cs.nih.gov). When connected to NIH, key in setel for terminal emulation, FSE for initials, and AJLI for account number. To view tenure track positions, quit the POSTDOC conference and join the TENURE conference.

An electronic version of the Postdoctoral Research Fellowship Opportunities catalog is accessed via the Internet using either the Gopher Information System (gopher.nih.gov) or the World Wide Web (URL: http:///nih.gov). When connected with Gopher, select Grants and Research Information and then NIH Office of Education. When connected with WWW, select Grants and Contracts and then NIH Office of Education. If you have further questions, please contact the NIH Office of Education, Building 10, Room 1C129, 10 CENTER DR MSC 1158, BETHESDA MD 20892-1158, Phone 301-496-2427, Fax 301-402-0483.

To Apply

If you hold a graduate or postdoctoral degree (e.g., PhD, MD/PhD) or a professional degree (MD, DO, DDS, DMD or DVM) accompanied by previous laboratory research experience, and would like to be considered for one of these positions, please send a cover letter, curriculum vitae, bibliography, and statement of research interests to the address listed with each position. In addition, please arrange to have letters of recommendation sent from three scientists who can provide an evaluation of your qualifications.

National Institutes Of Health
Office Of Education
The NIH is an Equal Opportunity Employer
NEUROBIOLOGIST
BOWMAN GRAY SCHOOL OF MEDICINE
WAKE FOREST UNIVERSITY
The Department of Neurobiology and Anatomy invites applications for two tenure-track positions. Successful candidates will have postdoctoral experience, an excellent record of scholarship and commitment to excellence in teaching and research, and will be expected to develop and maintain an active research program. The department is seeking an Integrative Neurobiologist (ASSISTANT/ASSOCIATE PROFESSOR) who uses techniques to elucidate cellular, molecular, and/or systems aspects of brain function. The research will involve anatomical and physiological studies, and the successful applicant will be expected to develop a program of research relevant to the mission of the department. The department is also seeking a Neurobiologist (RANK OPEN) in the area of cellular and/or molecular mechanisms of brain function. The successful applicant will be expected to develop a program of research in the area of cellular and/or molecular mechanisms of brain function. The successful applicant will be expected to develop a program of research relevant to the mission of the department.

MOLECULAR DEVELOPMENTAL NEUROBIOLOGIST
The department of Developmental and Molecular Biology and the Department of Cell Biology at the University of Louisville are seeking candidates for a tenure-track position to fill a full Professor position at the level of ASSISTANT PROFESSOR. The preferred candidate will have an independent research program in developmental neurobiology. The candidate will be expected to seek external funding, research that complements existing interests, and will assist in the development of new resources for their research. The successful candidate will have a strong commitment to excellence in teaching and research. Details: Deadline: December 31, 2013. Send curriculum vitae, statement of research and career goals, list of current funding, and at least four letters of reference to: Dr. Laura Schweitzer, Department of Anatomical Sciences and Neurobiology, University of Louisville School of Medicine, Louisville, KY 40292.

HAVERFORD COLLEGE
The Molecular, Cellular and Developmental Biology Department has broadened its search for a tenure-track ASSISTANT PROFESSOR for the fall of 1996. The successful candidate will teach courses in the Biological Sciences; Molecular Biology and Molecular Biology/Cellular and Molecular Biology. The Department is interested in candidates to complement existing faculty and to broaden the curriculum. The successful candidate will be expected to establish a vigorous research program where salaries and operating funds are received from external agencies as well as from undergraduate and graduate student teaching. The salary for this position is $30,000 to $40,000. Please send letter of application, curriculum vitae, and three letters of reference to: Dr. B. Glavin, Acting Head, Department of Pharmacology and Therapeutics, Faculty of Medicine, University of Manitoba, 770 Bannatyne Avenue, Winnipeg, Manitoba R3E 0W3 Canada. Telephone: 204-789-3858; FAX: 204-783-6915; Email: glavin@cc.umanitoba.ca. Closing date: September 30, 1995. The University of Manitoba encourages applications from qualified women and men, including those with disabilities. The University offers a smoke-free work environment, save for specially designated areas. Applicants are directed to Canadian citizens and permanent residents of Canada.

CHAIR
Department of Anatomy
Applications are invited from senior faculty to assume the position of CHAIR of the Department of Anatomy at the University of Nebraska Medical Center. The successful candidate will be expected to establish a vigorous research program, where salaries and operating funds are received from external agencies as well as from undergraduate and graduate student teaching. The salary for this position is $30,000 to $40,000. Please send letter of application, curriculum vitae, and three letters of reference to: Dr. B. Glavin, Acting Head, Department of Pharmacology and Therapeutics, Faculty of Medicine, University of Manitoba, 770 Bannatyne Avenue, Winnipeg, Manitoba R3E 0W3 Canada. Telephone: 204-789-3858; FAX: 204-783-6915; Email: glavin@cc.umanitoba.ca. Closing date: September 30, 1995. The University of Manitoba encourages applications from qualified women and men, including those with disabilities. The University offers a smoke-free work environment, save for specially designated areas. Applicants are directed to Canadian citizens and permanent residents of Canada.

ASSISTANT PROFESSOR
Department of Pharmacology and Therapeutics
Applications are being accepted for a TENURE-TRACK FACULTY position at the rank of Assistant Professor in Pharmacology or in a Ph.D. or M.D. degree in pharmacology or a related discipline and evidence of highly productive postdoctoral research in molecular pharmacology. The successful candidate will be expected to establish a vigorous research program where salaries and operating funds are received from external agencies as well as from undergraduate and graduate student teaching. The salary for this position is $30,000 to $40,000. Please send letter of application, curriculum vitae, and three letters of reference to: Dr. B. Glavin, Acting Head, Department of Pharmacology and Therapeutics, Faculty of Medicine, University of Manitoba, 770 Bannatyne Avenue, Winnipeg, Manitoba R3E 0W3 Canada. Telephone: 204-789-3858; FAX: 204-783-6915; Email: glavin@cc.umanitoba.ca. Closing date: September 30, 1995. The University of Manitoba encourages applications from qualified women and men, including those with disabilities. The University offers a smoke-free work environment, save for specially designated areas. Applicants are directed to Canadian citizens and permanent residents of Canada.

CHAIR
Department of Anatomy
Applications are invited from senior faculty to assume the position of CHAIR of the Department of Anatomy at the University of Nebraska Medical Center. The successful candidate will be expected to establish a vigorous research program, where salaries and operating funds are received from external agencies as well as from undergraduate and graduate student teaching. The salary for this position is $30,000 to $40,000. Please send letter of application, curriculum vitae, and three letters of reference to: Dr. B. Glavin, Acting Head, Department of Pharmacology and Therapeutics, Faculty of Medicine, University of Manitoba, 770 Bannatyne Avenue, Winnipeg, Manitoba R3E 0W3 Canada. Telephone: 204-789-3858; FAX: 204-783-6915; Email: glavin@cc.umanitoba.ca. Closing date: September 30, 1995. The University of Manitoba encourages applications from qualified women and men, including those with disabilities. The University offers a smoke-free work environment, save for specially designated areas. Applicants are directed to Canadian citizens and permanent residents of Canada.

ASSOCIATE/ASSOCIATE PROFESSOR
IMMUNOLOGY
Morehouse School of Medicine
Scientists with research expertise in areas of contemporary molecular or cellular immunology are invited to apply for two regular faculty positions in the Department of Molecular and Cellular Immunology. The ASSOCIATE/ASSOCIATE PROFESSOR must have current postdoctoral experience and demonstrated ability to direct an independent research program and seek external research funding. Candidates for ASSOCIATE PROFESSOR must have a record of current research productivity and funding. Morehouse School of Medicine is a young institution with a strong history of advance in research, education and clinical service. The Division of Immunology seeks a highly productive and creative individual with significant research accomplishments. Candidates should have an existing research background in any area of developmental, cellular or molecular immunology. Send a current curriculum vitae, three letters of recommendation, and three reprints with a letter of reference to: Michael E. Greenberg, Ph.D., Director—Division of Neurosciences, Morehouse School of Medicine, 677 Beacon Street, Boston, MA 02215. An Affirmative Action/Equal Employment Opportunity Employer. Women and minority candidates are encouraged to apply.
IPNS STAFF POSITIONS

Argonne National Laboratory, one of the nation’s premier scientific research and development organizations, located 20 miles southwest of Chicago, has openings for various positions, as listed, in its Intense Pulsed Neutron Source (IPNS) Division. IPNS is the world’s first major pulsed spallation neutron facility dedicated to materials research.

- Staff positions for the Linac and RF systems in the Accelerator Group
- Scientific Assistants for neutron scattering instruments, moderators, ancillary equipment, and/or detectors in the Neutron Operations Group
- Design Engineers in the Accelerator and Neutron Operations Groups
- Technicians in the Accelerator and Neutron Operations Groups

To learn more about these positions, send your resume to Walter D. McFall at the address below:

- Post doc positions for candidates with a Ph.D. awarded within the last 3 years in a discipline such as physics, chemistry, or materials science. Areas of experience are desirable in:
  - microstructure and atomic dynamics of inorganic solids, preferably using neutron powder diffraction and inelastic scattering with a possible background in calculation of molecular and lattice vibrations with computer simulations and phonon models.
  - neutron or x-ray diffraction and structure refinement by the Rietveld method.
  - small angle neutron scattering techniques and expertise in computer software and instrumentation development.

For the post doc positions, resumes, three letters of recommendation and possible statement of research interests and copies of selected publications should be forwarded to: Walter D. McFall, Box IPNS-55, Employment and Placement, Argonne National Laboratory, 9700 S. Cass Avenue, Argonne, IL 60439. Telecommunications Device for the Deaf (708)352-7712.

Applications from candidates who can contribute to our EEO/Affirmative Action goals are welcome. Argonne is an equal opportunity/affirmative action employer.

For additional information please refer to Argonne’s Home Page on the Internet — http://www.anl.gov/welcome.html or IPNS at http://www.pns.anl.gov/
positions open

ASSISTANT PROFESSOR, ENVIROMENTAL SCIENTIST
Illinois Benedictine College is seeking a tenure-track environmental scientist at the ASSISTANT PROFESSOR level, to begin August 1996. Ph.D. required. Successful candidate will have terrestrial ecological background and experience teaching introductory biology courses and upper-level courses in specialty and to develop a research program involving undergraduates. Cover letter should address applicant's interest in undergraduate teaching in a liberal arts environment. Send curriculum vitae, statement of teaching philosophy and research experience, letters of recommendation, and all transcripts to: Dr. Alfred R. Martin, Search Committee, Department of Biology, Illinois Benedictine College, 5700 College Road, Lisle, IL 60532. Deadline for completion of application is December 15, 1995. Illinois Benedictine College is an Equal Opportunity Employer. Women and minority candidates are especially urged to apply.

BEHAVIORAL NEUROSCIENCE
ASSISTANT PROFESSOR
The Department of Psychology at Yale University expects to make an appointment at the rank of Assistant Professor in behavioral neuroscience, effective July 1, 1996. The Department emphasizes research interests in the analysis of learning and memory; however, outstanding candidates in all subspecialties of the field will be considered and encouraged to apply. Applicants are expected to provide high-quality teaching at the undergraduate level and in a graduate Behavioral Neuroscience program, and to have a strong record (or should make a strong case) of excellence in research. Applicants should send a letter of application, a curriculum vitae, papers or reprints, and should arrange for three letters of recommendation to be sent to: Chair, Behavioral Neuroscience Search Committee, Department of Psychology, Yale University, P. O. Box 208205, New Haven, CT 06520-8205. Deadline for completed applications: February 15, 1996. Yale is an Equal Opportunity/Affirmative Action Employer, and applications from women and minority group members are especially encouraged.

HEAD, Department of Forestry and Wildlife Management, University of Massachusetts at Amherst. Includes the administration of teaching, research, and public outreach activities for a productive multidisciplinary program in natural resources. Candidates must have a demonstrated record of accomplishment in scholarly work, a talent for organization, and an ability to work with faculty representing a wide variety of natural resource and life science disciplines. A doctorate with at least one advanced degree in natural resources, and administrative experience, is required. The position is available July 1, 1996, subject to funding. Applications should be received by January 19, 1996. Position will begin August 1996. Consideration is given to applications (résumé, letter of intent, and names of three references) to: Dr. David B. Kittredge, Chair, Search Committee, Department of Forestry and Wildlife Management, Holdsworth Natural Resources Center, University of Massachusetts, Amherst, MA 01003. Telephone: (413) 545-2943; FAX: 413-545-4258. Email: dbk@forwild.umass.edu. The University of Massachusetts is an Affirmative Action/Equal Opportunity/Americans with Disabilities Act Employer.

VASCULAR PLANT SYSTEMATIST
The Department of Botany at Duke University invites applications for a vascular plant systematist as a tenure-track ASSISTANT OR ASSOCIATE PROFESSOR of Botany to begin September 1996. Expansion of the Duke University Herbarium (algae, fungi, bryophytes, and vascular plants totaling over 700,000 specimens) into a new building is planned and applicants for the position should be prepared to assume a leading role with respect to the collections. Applicants must have an active research program and the ability to teach and direct research at the undergraduate and graduate level. Individuals with research interests that take advantage of Duke's location, particularly those requiring material from North America and Neotropics) are encouraged to apply. A complete application includes a curriculum vitae, description of research, teaching statement and three letters of reference, to be sent to: Professor Donald E. Stone, Department of Botany, Science Drive, Duke University, Durham, NC 27708-0388. Email: dstone@acp.duke.edu. Applications received by December 21, 1995 are guaranteed consideration. Duke University is an Equal Opportunity/Affirmative Action Employer.

positions open

ASSISTANT PROFESSOR, PROEDUCTIOAN AND ANATOMY
The Department of Orthopaedic Surgery and Anatomy at the University of California at Los Angeles and affiliates has a position available at the ASSISTANT PROFESSOR level or higher for the Division of Anatomy in Orthopedic Surgery. Applicants must be qualified to teach gross anatomy to medical and dental students and preference will be given to applicants with prior teaching experience. Applicants should focus on cell differentiation with an emphasis on regulation of that process by bone marrow cells. Interested candidates should send a curriculum vitae by December 1, 1995 to: Joseph M. Lane, M.D., Professor and Chairman Department of Orthopedic Surgery UCLA School of Medicine Los Angeles, CA 90095-6902 UCLA School of Medicine is an Equal Opportunity/Affirmative Action Employer.

INTEGRATIVE BIOLOGIST
Tenure-track, ASSISTANT PROFESSOR, beginning fall 1996. Preference will be given to broadly trained applicants who use modern approaches to study integrative processes at the organismal or population level. Areas of particular interest are evolution, environmental physiology, and behavior. Applicants are expected to establish a vigorous, extramurally funded research program and participate in teaching at the undergraduate and graduate levels. Applicants should send a statement of research and teaching experience and interests, curriculum vitae, and three letters of recommendation by January 15, 1996 to: Chair, Integrative Biology Search Committee, Department of Zoology and Genetics, Iowa State University, Ames, IA 50011. Iowa State University is an Affirmative Action/Equal Opportunity Employer.

PLANT MOLECULAR GENETICIST
The Department of Molecular Genetics and Cell Biology at the University of Illinois at Urbana-Champaign invites applications for a faculty position at the ASSISTANT or ASSOCIATE PROFESSOR level in the general field of plant genetics, development, and cell biology. The Department seeks an individual who will establish an active research program and participate in both undergraduate and graduate teaching. Particular consideration will be given to highly interactive candidates whose interests complement existing research efforts in pollen-pistil interactions, biochemical genetics, lipid biosynthesis, chloroplast biogenesis, and vascular tissue development. Applicants should submit a curriculum vitae, reprints, a summary of current and proposed research work, and should arrange to have three letters of recommendation sent by February 1, 1996 to: Dr. Anthony P. Mahowald, Department of Molecular Genetics and Cell Biology, The University of Chicago, 925 East 58th Street, Chicago, IL 60637. An Affirmative Action/Equal Opportunity Employer.

The University of Illinois at Chicago, Department of Psychology, invites applications for a tenure-track ASSISTANT PROFESSOR or a tenured associate professor in Biopsychology beginning in fall 1996. Applicants must have a Ph.D. and an active research program in behavioral or integrative neuroscience employing animal models, with an emphasis on cellular mechanisms. This ad represents a re-opening of a previous search (fall 1995). Submit letter of application, curriculum vitae, and three letters of reference to: Dr. Michael W. Levine, Chair, Biopsychology Search Committee, Department of Psychology, The University of Chicago, 5750 South University Avenue, Chicago, IL 60637. An Affirmative Action/Equal Opportunity Employer.

ROSS UNIVERSITY SCHOOL OF MEDICINE
Invites nominations to the following departments for its beautiful tropical location in the Caribbean: Gross Anatomy, Histology, Embryology, Microbiology. Excellent tax benefit awards. Send curriculum vitae to: Dr. Robert H. Held, Department of Anatomy Ross University 460 West 34th Street New York, NY 10001

CHEMICAL SENSES
University of California at Los Angeles School of Medicine
The Department of Cellular and Structural Biology invites applications for a tenure-track appointment at the ASSISTANT PROFESSOR level (exceptional, more senior candidates will be considered). Qualified candidates should have an M.D. degree and use cellular or molecular techniques to investigate the neurobiology or development of chemosensory systems. They will be expected to develop a research program and teach courses in aromaticism. Send curriculum vitae, one-page statement of research interests, and names and addresses of three references to Dr. Thomas F. Finger, Department CSB-SC, UCHSC, B-111, 4200 East Ninth Avenue, Denver, CO 80262. Review of applications begins November 17, 1995, and will continue until the position is filled. The University of Colorado Health Sciences Center is committed to Equal Employment Opportunity/Affirmative Action.

Midwestern University (MUW) plans to open a Branch Campus on its 120-acre site in greater Phoenix (Glendale) Arizona. The College of Osteopathic Medicine is MUW's inaugural program on the new campus. Positions at the ASSISTANT, ASSOCIATE, AND FULL PROFESSOR levels are available for Anatomy (Biochemistry 2) and Physiology. Faculty hired will begin by the Summer of 1996. Initial interviews will be held on the campus of MUW in Downers Grove, Illinois.

MUW currently has three colleges: The College of Osteopathic Medicine, The Chicago College of Pharmacy, and The Graduate College. MUW offers a competitive salary and benefits package and the potential for professional growth. Applicants are asked to send a resume and statement of teaching and research interests to: Leonard Mennen, D.O., Provost, Midwestern University, 555 31st Street, Downers Grove, IL 60515. An Affirmative Action/Equal Opportunity Employer.

Department of Psychology, University of Illinois at Urbana-Champaign (UIUC), ASSISTANT PROFESSOR, Psychopharmacology. Search Committee of Psychology at the University of Illinois at Urbana-Champaign invites applications for a full-time tenure-track faculty position. Applications beginning fall 1996. Candidates holding the Ph.D. degree and conducting research in any area of psychopharmacology/neuropharmacology that has a relationship to behavior will be considered. Teaching is at both undergraduate and graduate levels. Salary is dependent on qualifications and experience. Full consideration, a curriculum vitae, representative reprints, a statement of research interest, and three letters of recommendation should be sent by 31 January 1996 to: William Greenough, Psychology Department, University of Illinois at Urbana-Champaign, Urbana, IL 61801. Telephone: 217-333-4472. UIUC is an Affirmative Action/Equal Opportunity Employer.

SENSORY PSYCHOPHYSICIST/NEUROPHYSIOLOGIST
The John B. Pierce Laboratory, Center for Research in Health and the Environment, an affiliate of Yale University, seeks independent investigator at the junior level (equivalent to ASSISTANT PROFESSOR), preferably in chemosensory or somatosensation. Send curriculum vitae and names of three references by February 1, 1996 to: Sensory Search, John B. Pierce Laboratory, 290 Congress Avenue, New Haven, CT 06519. An Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR: Two tenure-track positions open: 1) Primary qualification in developmental biology, with some experience in molecular biology/genetics. 2) Primary qualification in organic physiology, with some experience in microbiology. Candidates for both positions should be able to teach in the general biology sequence and be qualified to offer courses in the core science sequence. Supervise undergraduate research projects. Three letters of recommendation should be submitted to: Dr. Michael E. Held, Chair, Biology, Saint Peter's College, Jersey City, NJ 07306. Application deadline is December 15, 1995. SJU is an Equal Opportunity/Affirmative Action Employer and complies with Title IX of the Education Amendments of 1972 and with Section 504 of the Rehabilitation Act of 1973.
Expanding Minds

Here at Chiron, we are on the leading edge of biotechnology research and scientific advancement, producing an array of therapeutic and diagnostic tools to advance potential cures for cancer and serious infectious diseases. We have the following opportunities:

Principal/Sr. Scientist and Scientist

Two scientists are needed for purification and characterization of proteins from recombinant and natural sources on a wide range of projects: from purification of proteins for research, to development of purification processes for Phase 1 clinical trials. You will design, implement and evaluate purification procedures and characterize the products.

To qualify for the Principal/Senior Scientist position, you must have a PhD in Biochemistry or equivalent and at least 5 years of post-doctoral experience in Biochemistry or a related field. Experience in a biotechnology company is preferred. Job Code LC1.

For the Scientist position, a PhD in Biochemistry or a related field is required. Job Code LC2.

If you have the dedication, spirit and flexibility to rise to our many challenges, send your resume, indicating Job Code of interest, to: Chiron Corporation, Human Resources, 4560 Horton Street, Emeryville, CA 94608. We are an equal opportunity employer.

Where great careers come together.

TECHNICAL ASSOCIATE

BLOOD SUBSTITUTES

At Baxter Healthcare Corporation, our commitment to R&D is evident where state-of-the-art facilities and top-of-the-line employees come together. Today, we are seeking a Technical Associate for our Blood Substitutes R&D Division in our far north suburban Chicago Round Lake location.

The chosen candidate will join a team involved in an exciting new breakthrough development program. Working on multiple projects with world class academic, scientific and medical communities on a global scale, you will help develop and coordinate pre-clinical biologic research on a broad spectrum of cutting edge, multidisciplinary research and technical programs. You will also work in close collaboration with RA, QA, Marketing and R&D groups.

We require an advanced degree in Physiology/Toxicology. Good interpersonal and technical writing skills are critical. Industrial and project management experience is preferred.

Baxter offers a competitive salary, comprehensive benefits and an extremely challenging and professional work environment. For confidential consideration, send your resume with salary history to: Baxter Healthcare Corporation, Human Resources, Dept. #BP95124, Rte. 120 and Wilson Road, Round Lake, IL 60073. An Equal Opportunity Employer.

An unrelenting commitment to the discovery of medicines has made Glaxo Wellcome America’s largest pharmaceutical company. Our mission, and the source of our success, is not merely to make medicines, but to find them — through some of the most intensive research conducted in the pharmaceutical industry today.

We invite you to be part of our Research & Development atmosphere, where professional excellence teams with scientific leadership to advance the progress of drug discovery. The following opportunities are available at the Glaxo Research Institute located at our Corporate Headquarters in Research Triangle Park, N.C.

DEPARTMENT HEAD - HUMAN GENETICS

Individual will develop and foster initiatives at the International level with both Glaxo Wellcome and our Biotechnology Company partner. Duties will include disease gene identification, diagnostic applications and therapeutic opportunities.

This position requires a Ph.D. or M.D. Degree in Genetics (or a related area) with a minimum of 9 years experience in the field of Human Genetics. Background must include proven leadership and achievements, both internally and externally, in Genetics/Gene Identification. Excellent communication and multidisciplinary skills are required, as is a proven publication record. Please refer to Job # ASC079001 on all resumes.

RESEARCH INVESTIGATOR I/RESEARCH INVESTIGATOR II/SR. RESEARCH INVESTIGATOR

Enzymology

This position will be filled at the appropriate level based on the applicant’s educational background and experience level. The selected individual will design, develop and implement automated high throughput enzyme assays in order to support the drug development efforts aimed at inhibiting enzyme therapeutic targets. Duties will include supervising the screening efforts of these targets and leading the development of structure-activity relationships (SAR) on projects with enzyme targets.

This position requires a BS in Chemistry, Biochemistry or a related area, with 6 years experience in analytical chemistry, robotics and enzymology. Prefer a minimum of 5 years pharmaceutical industry experience in automating enzyme assays, developing SAR, data analysis and handling OR a Master’s or Ph.D. degree with 1-4 years related experience. Knowledge of enzyme mechanisms and mechanism of inhibition as it applies to drug discovery and development are required, along with excellent supervisory and communication skills. Must have a proven publication record. Please refer to Job # ASC070701 on all resumes.

The rewards of working at Glaxo Wellcome include excellent salaries and a flexible benefits package, a beautiful headquarters campus, ultra-modern facilities, and an excellent location in the Raleigh-Durham area of North Carolina. For confidential consideration, send your resume, including salary history and indicating the position title and Job #, to: Human Resources, Glaxo Wellcome, P.O. Box 13396, Research Triangle Park, NC 27709. (No Phone Calls or Agency Referrals, please) An Equal Opportunity Employer M/F/D/V

GlaxoWellcome

GLAXO WELLCOME.
ON THE BRINK OF DISCOVERY.
UNIVERSITY OF MICHIGAN

Pharmacology for Retinal Dyspothies

We are recruiting a new FACULTY MEMBER to work on neuronal injury repair and rescue for retinal degenerations using pharmacologic approaches. The foremost goal is to identify factors that are neuroprotective for photoreceptors. Applicants must have a strong background in neurobiology and cell biology. Experience in retina and with neurotrophic factors is desirable though not required.

Current group has expertise in anatomy, neurophysiology, and molecular genetics of retinal disease and is working with transgenic animal models and light-damaged retinas. Candidates should have PhD. or M.D. and relevant postdoctoral experience. Position is non-tenure-track Research Investigator or Associate Research Scientist. Start-up funds are available.

Interested individuals should submit curriculum vitae, a brief statement of research interests, and the names of three referees to: Search Committee Chair, Department of Anesthesiology, University of Michigan, Ann Arbor, MI 48109

Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

ASSISTANT PROFESSOR IN BIOLOGY

The Biology Department at the University of Evansville seeks to fill an ASSISTANT PROFESSOR to begin August 1996. Applicants should have a strong commitment to teaching and the independent university tradition. Teaching responsibilities include bacteriology, immunology, virology, and cell biology. The candidate will also be expected to develop a research program involving graduate students, which will engage in cutting edge and University service. A Ph.D. is required and teaching experience is expected. Pay will be commensurate with educational level.

Applicants should submit curriculum vitae, copies of undergraduate and graduate transcripts, a statement describing commitment to undergraduate teaching and research, and three letters of reference to: Karen Orca, Chair, Department of Biology, University of Evansville, Evansville, IN 47722. Applications must be received by December 1, 1995.

The University of Evansville is an independent, church-related, selective admissions University located in a city of 135,000. The college offers a comprehensive program of instruction including liberal arts and sciences, engineering, business, nursing, physical therapy, and education. Enrollment numbers approximately 2700 full-time students. The University also includes a major branch campus in England, Harlaxton College.

The University of Evansville operates under a non-discriminatory policy with regard to race, color, religion, national origin, gender, age or disability.

ASSISTANT PROFESSOR

The Department of Biology invites applications for a TEACHING-TRACK position for an experimental physiologist, with an emphasis on neuroscience, to begin on or after January 1, 1996. Duties include teaching introductory biology, genetics, and a graduate course in area of expertise. Should be willing to employ active learning techniques. Must maintain a research program involving undergraduates and graduate students and be willing to apply for external grants. Start-up funds available. Salary competitive and dependent upon experience. Applications should be sent to: Search Committee Chair, Biology Department, University of Evansville, Evansville, IN 47722. Applications must be received by December 1, 1995.

The University of Evansville is an independent, church-related, selective admissions University located in a city of 135,000. The college offers a comprehensive program of instruction including liberal arts and sciences, engineering, business, nursing, physical therapy, and education. Enrollment numbers approximately 2700 full-time students. The University also includes a major branch campus in England, Harlaxton College.

The University of Evansville operates under a non-discriminatory policy with regard to race, color, religion, national origin, gender, age or disability.

CHAIR, Department of Microbiology/Immunology-Medical College of Pennsylvania and Hahnemann University School of Medicine (MCPHU)–The Medical College of Pennsylvania and Hahnemann University is a large health professions university formed in 1995 from the merger of two academic institutions—the Medical College of Pennsylvania and Hahnemann University. The University is, in turn, the educational and research component of Allegheny Health, Education, and Research Foundation (AHFER). AHFER is a nonprofit, statewide integrated academic health system which is proactively meeting the challenges of the changing healthcare environment. The University is located in Philadelphia and consists of five schools: School of Medicine, School of Nursing, School of Health Sciences and Humanities, School of Graduate Studies, and a proposed School of Public Health. The School of Medicine is accepting applications and nominations for the position of PROFESSOR and CHAIR of the Department of Microbiology/Immunology. The existing strengths within the system and the collective resources available make this a most challenging and exciting position.

We seek a distinguished scientist with a strong record of significant scientific productivity and an ability to attract external funding. The successful candidate will be an academic leader who will nurture the growth and guide the future of this department into the next century. A letter of interest along with a curriculum vitae should be submitted to: Richard L. Spielvogel, M.D., Chair, Search Committee, Medical College of Pennsylvania and Hahnemann University School of Medicine, 2900 Queen Lane, Philadelphia, PA 19129, c/o Jane Underwood, MCPHU is an Affirmative Action/Equal Opportunity Employer.

UNIVERSITY OF WASHINGTON

Chemical Senses Neuroscientist

Tenure-track ASSISTANT PROFESSOR position in the Department of Otolaryngology-Head and Neck Surgery at the University of Washington. Candidate should have a Ph.D. or M.D. with postdoctoral training. Preferred research interests are cellular, molecular, or developmental problems in the olfactory system. Please send a curriculum vitae, a brief statement of research interests, and the names and addresses of at least three references to: Dr. Marc D. Coltrera, M.D., Otology, Mears Building, University of Washington, Box 356515, Seattle, WA 98195-6515. The University of Washington is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR

The Department of Biology invites applications for a TENURE-TRACK position for a molecular geneticist. The candidate should have Ph.D. and begin on or after January 1, 1996. Duties include teaching introductory biology, genetics, and a graduate course in area of expertise. Should be willing to employ active learning techniques. Must maintain a research program involving undergraduates and graduate students and be willing to apply for external grants. Start-up funds available. Salary competitive and dependent upon experience. Ph.D. is required and postdoctoral experience preferred. Send curriculum vitae, transcripts, three letters of recommendation, and a statement of teaching philosophy and research goals to: The Chair, Hiring Committee, Department of Biological Sciences, Towson State University, Towson, MD 21204. Deadline for application is 11 December 1995.

The University of Evansville is an independent, church-related, selective admissions University located in a city of 135,000. The college offers a comprehensive program of instruction including liberal arts and sciences, engineering, business, nursing, physical therapy, and education. Enrollment numbers approximately 2700 full-time students. The University also includes a major branch campus in England, Harlaxton College.

The University of Evansville operates under a non-discriminatory policy with regard to race, color, religion, national origin, gender, age or disability.

ASSISTANT PROFESSOR

The Department of Biology invites applications for a TEACHING-TRACK position for a vertebrate physiologist for a three-year term beginning Aug 1, 1996. The candidate is expected to teach undergraduate courses in physiology, comparative animal physiology, first-year seminar, and/or introductory biology. The candidate will also be expected to develop a research program involving undergraduate students, which will engage in cutting edge research and University service. A Ph.D. is required and teaching experience is expected. Pay will be commensurate with educational level.

Applicants should submit curriculum vitae, copies of undergraduate and graduate transcripts, a statement describing commitment to undergraduate teaching and research, and three letters of reference to: Karen Orca, Chair, Department of Biology, University of Evansville, Evansville, IN 47722. Applications must be received by December 1, 1995.

The University of Evansville is an independent, church-related, selective admissions University located in a city of 135,000. The college offers a comprehensive program of instruction including liberal arts and sciences, engineering, business, nursing, physical therapy, and education. Enrollment numbers approximately 2700 full-time students. The University also includes a major branch campus in England, Harlaxton College.

The University of Evansville operates under a non-discriminatory policy with regard to race, color, religion, national origin, gender, age or disability.

UNIVERSITY OF WASHINGTON

Tenure-track ASSISTANT PROFESSOR in Biology

The Biology Department at the University of Evansville seeks to fill an ASSISTANT PROFESSOR to begin August 1996. Applicants should have a strong commitment to teaching and the independent university tradition. Teaching responsibilities include bacteriology, immunology, virology, and cell biology. The candidate will also be expected to develop a research program involving undergraduate students, which will engage in cutting edge research and University service. A Ph.D. is required and teaching experience is expected. Pay will be commensurate with educational level.

Applicants should submit curriculum vitae, copies of undergraduate and graduate transcripts, a statement describing commitment to undergraduate teaching and research, and three letters of reference to: Karen Orca, Chair, Department of Biology, University of Evansville, Evansville, IN 47722. Applications must be received by December 1, 1995.

The University of Evansville is an independent, church-related, selective admissions University located in a city of 135,000. The college offers a comprehensive program of instruction including liberal arts and sciences, engineering, business, nursing, physical therapy, and education. Enrollment numbers approximately 2700 full-time students. The University also includes a major branch campus in England, Harlaxton College.

The University of Evansville operates under a non-discriminatory policy with regard to race, color, religion, national origin, gender, age or disability.

RESEARCH FACULTY POSITION

Genetics/Genetic Epidemiology

North Shore Health System, Long Island, New York’s largest healthcare network, is seeking applicants at the ASSISTANT/ASSOCIATE level for Recruitment to its Division of Biology and Human Genetics, a newly formed research division of the Department of Medicine, at North Shore University Hospital in Manhasset. This is a rapidly growing institution with major research strengths in human immunology, now expanding into the area of human genetics. Candidates should have proven ability to carry out independent research. A microsatellite genotyping facility is currently active, and a viral vector production laboratory is under construction for support of clinical gene therapy trials. Applicants whose research focus relates to autoimmune disease or cancer are particularly encouraged to apply. This is an exceptional opportunity to participate in the further growth of this division with outstanding institutional support for the right candidate.

Address correspondence to: Dr. Peter K. Greim, Chief, Division of Biology and Human Genetics, North Shore University Hospital, 220 Community Drive, Manhasset, NY 11030. We are an Equal Opportunity Employer. Minorities/Female/Disabled/Veterans.

EXPERIMENTAL PATHOLOGIST

The Department of Pathobiology at the University of Florida College of Veterinary Medicine has a tenure-track position available for an EXPERIMENTAL PATHOLOGIST. The incumbent will serve as the Laboratory Director and Director of Research for the Department of Pathobiology. The incumbent will be responsible for faculty development efforts. Responsibilities include development of a competitive research program, teaching general pathology to veterinary students, and graduate instruction. Board certification is desirable but not required. This is a full-time appointment.

The Department of Pathobiology at the University of Florida College of Veterinary Medicine is interested in candidates who have a commitment to diversity. All qualified applicants are encouraged to apply.

The University of Florida College of Veterinary Medicine is an Equal Opportunity/Affirmative Action institution.
Faculty Positions in Environmental Chemistry: Department of Environmental Sciences

The Department of Environmental Sciences, Cook College, Rutgers - The State University of New Jersey, invites applications for two faculty positions in the area of Environmental Chemistry available July 1, 1996. It is anticipated that one appointment will be as an Associate or Full Professor with immediate evaluation for tenure, and the other as a tenure-track Assistant Professor, although the Department will select the two best candidates meeting program needs.

For the more senior position (DESEC-1) the Department seeks an environmental scientist who works at the interface between biology and chemistry, with emphasis on anthropogenic chemicals in aquatic systems (e.g., bioaccumulation; bioavailability toxicity; transfer through aquatic food chains). The ideal candidate has experience in the fields of environmental chemistry, biology or engineering, aquatic toxicology, or closely related disciplines, and a strong record of teaching and funded research. The successful candidate will be expected to contribute significantly to a developing Department concentration in aquatic ecosystem exposure and assessment, and specifically to a focus in environmental chemistry. She or he will enhance collaboration with Marine and Coastal Sciences, the Environmental and Occupational Health Science Institute, Biology/Ecology, and Environmental Engineering on a university-wide basis in both teaching and research.

For the second position (DESEC-2), a focus in aquatic inorganic chemistry is sought. The ideal candidate obtained a Ph.D. in aquatic or environmental chemistry/engineering or equivalent, and has postdoctoral experience. A specialty in trace metals, nutrient cycling, or biogeochemistry in aquatic ecosystems is preferred, but other sub-specialties will be considered. The successful candidate will teach in the undergraduate and graduate Environmental Sciences programs, and will be expected to develop a nationally-recognized and funded research program.

Please send a letter of application noting which position, curriculum vitae, transcripts (Assistant Professor position only), brief statement of research and teaching interest, and the names, addresses (including electronic) and telephone numbers of at least 3 references to: Dr. Peter F. Strom, Search Committee Chair (Environmental Chemistry Positions), Environmental Sciences, ENR5; Cook College, Rutgers University; New Brunswick, NJ 08903-0231. Review of applications will begin January 4, and will continue until the positions are filled.

Rutgers University is an Equal Employment Opportunity/Affirmative Action employer.

--

Cellular Biochemistry

Scientist/Sr. Scientist

SmithKline Beecham, a worldwide leader in pharmaceutical research, has an excellent research opportunity in our Cellular Biochemistry Department for a Scientist to work in osteoporosis research. The selected candidate will have significant involvement in the development of experimental systems to assess osteogenic differentiation by: establishing tissue-culture cell lines, both primary human osteoblasts cultures and osteosarcoma cell lines; and developing and characterizing new immortalized cell lines. Duties also include developing techniques to examine osteoblasts/Adipoocyte and chondrocyte differentiation including, enzyme assays, histological staining procedures and gene expression studies.

Located in our state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation/benefits/relocation package. For confidential consideration, send your resume and salary requirements to: SmithKline Beecham Pharmaceuticals, Job Code H5-0374, P.O. Box 2646, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/D/V.

SB

SmithKline Beecham

Pharmaceuticals

Challenging the natural limits.

--

RESEARCH MICROBIOLOGIST NATURAL PRODUCTS SECTION

At Wyeth-Ayerst Research, we're meeting the challenges of a new decade and the next century by building upon our strengths and creating an environment that fosters a research and Development organization. As a leader in the research and development of therapeutic compounds, our drugs have been instrumental in the treatment of infectious diseases, cancer, cardiovascular and central nervous system diseases and for women's health.

A position for a microbial biochemist/physiologist is available. This individual will be a specialist in microbial fermentation and will conduct research to elucidate the biosynthetic pathways of novel metabolites as well as directed fermentation and biotransformation studies to generate new analogs.

Experience in the optimization of medium and environmental conditions to enhance the productivity of secondary metabolites is highly desirable. Various classes of organisms producing interesting compounds will be emphasized. Candidates should have a Ph.D. degree in Microbiology or a related discipline with at least 5-8 years of relevant experience.

This position emphasizes strong interactions with a staff of highly experienced research scientists and presents a valuable opportunity to acquire a broad background in a multi-disciplinary pharmaceutical discovery environment.

Wyeth-Ayerst offers a competitive salary and comprehensive benefits. Qualified applicants should send resume to: Wyeth-Ayerst Research, Human Resources Dept., Position #L-1230, P.O. Box 8299, Philadelphia, PA 19101.

Wyeth-Ayerst offers a competitive salary and comprehensive benefits. Qualified applicants should send resume to: Wyeth-Ayerst Research, Human Resources Dept., Position #L-1230, P.O. Box 8299, Philadelphia, PA 19101.

Or you may fax your resume directly into our centralized Research resume database at (610) 989-4854. Equal Opportunity Employer, M/F/D/V.
POSITIONS OPEN

ALBERT EINSTEIN COLLEGE OF MEDICINE

The Department of Cell Biology seeks two tenure-track ASSOCIATE RS with a record of excellence in research and an innovative research program, using mammalian or yeast systems, that will complement current research in the Department: gene expression— including chromatin modification, and RNA processing; molecular immunology, signal transduction; membrane dynamics and intracellular trafficking; cell-cell interactions; and stress response. The Department seeks candidates for Tenure Training Grants to support pre- and postdoctoral students and provides numerous core facilities. Albert Einstein is located in a pleasant neighborhood, with easy access to Manhattan or the suburbs of Westchester County and Connecticut. Substantial packages will be provided to start up and sustain the laboratories of successful candidates.

PLANT BIOLOGY POSITIONS

The Department of Environmental and Plant Biology at Ohio University invites applications with research interests in ecology and freshwater aquatic botany to apply for two tenure-track positions at the ASSISTANT PROFESSOR level. Candidates are expected to have received the Ph.D. degree and to develop an active research program with the potential for attracting doctoral students and securing external funding. The successful candidate will engage in research that involves undergraduate and graduate courses in either evolutionary plant biology and population biology or ecology and aquatic systems, participate in introductory courses for majors or non-majors, and engage in research that is relevant to ecology, evolution, and conservation.

Applicants should send their curriculum vitae, a statement of research interests and plans, and as well as the names of three references to: Search Committee (CB), Department of Plant Biology, Albert Einstein College of Medicine, 2300 Merrick Campus, 1200 Morris Park Avenue, Bronx, NY 10461. Equal Opportunity Employer.

POSITIONS OPEN

GENERAL BIOLOGY AND ANATOMY

Sales State College is seeking a TENURE-TRACK faculty member for the fall of 1996 in the area of general biology and science education. Responsibilities include teaching general biology and science education courses; coordinating and teaching science education biology programs at undergraduate and graduate levels; working with students returning for teaching certification; and, successful candidates will plan to teach at the secondary school level; coordination of department participation in community based education programs. Required qualifications: Ph.D. in biology or M.A./M.S. in biology with Ed.D. in secondary education or a related field; two years of successful college level teaching; and one year of successful science teaching at the secondary level. Preferred are experience with science education, especially chemistry, physics, or geological sciences; demonstrated ability to maintain good working relations with community groups whose focus is education; and experience in and commitment to working in a multicultural, trinational environment with students of diverse backgrounds and learning styles. Salary is competitive and commensurate with education and experience.

Application review will begin early January 1996. To apply, send letter of application, resume and three letters of reference to:

Office of Equal Opportunity and Human Rights
Sales State College
3522 Main Street
Salem, MA 01970

Salem State College is an Equal Opportunity/Affirmative Action Employer. Persons of color, women, and persons with disabilities are strongly urged to apply.

CHAIRMAN OF THE DEPARTMENT OF CELL BIOLOGY AND ANATOMY

Finch University of Health Sciences/
The Chicago Medical School (FUHS/CMS)
Applications and nominations are invited for the CHAIRMAN of the Department of Cell Biology and Anatomy. The Chair reports to the Dean of the Medical School and is responsible for providing academic and administrative leadership in research and in the education of medical, graduate, and postgraduate students. The candidate should have a keen interest in teaching, a national/international reputation for scientific contributions in cell biology and anatomy or closely related fields, and the skills necessary to lead an established Department and to enhance the Department's strengths in research, teaching and service.

Applications will be accepted until January 15, 1996, and should include: curriculum vitae, a summary of current research, copies of representative publications, a description of teaching experience, and the names of three or more references. Send correspondence to: Toon Bern Kim, M.D., Ph.D., Chair, of the Search Committee, FUHS/CMS, 3333 Green Bay Road, North Chicago, IL 60064. Affirmative Action/Equal Opportunity Employer.

AQUATIC ANIMAL MEDICINE

CORNELL UNIVERSITY

The Department of Microbiology and Immunology, College of Veterinary Medicine seeks candidates for a tenure-track position expected to be at the ASSISTANT PROFESSOR level. The successful applicant will develop and maintain an active research program focused on fish diseases and will teach veterinary and graduate students. We are particularly interested in candidates with a Ph.D. degree as knowledge of molecular and cellular approaches to disease research. Applicants must have a D.V.M./Ph.D. or a Ph.D. and postdoctoral experience. Applications including a curriculum vitae, outline of research interests, and the names of three referees should be sent to: Dr. Roger J. Avery, Department of Microbiology and Immunology, Box 4044, Cornell University, Ithaca, New York 14853. Screening of candidates will begin on January 2, 1996. Facilities exist for research on a wide range of fish species in both freshwater and marine environments.

POSITIONS OPEN

EVOLUTIONARY GENETICIST

Department of Ecology & Evolutionary Biology

The Department of Ecology and Evolutionary Biology seeks an evolutionary geneticist (Ph.D. required) to take a leadership role in interdisciplinary genetics campus-wide. The research area could be experimental or theoretical approaches to the genetics of any group of organisms, at any level from molecular to population, so long as the focus is on organisms. Important criteria include excellence in research and teaching at an undergraduate and graduate level. Although the search is focused on an ASSOCIATE PROFESSOR level, other ranks are not excluded. A 12-month salary is available when duties include a significant administrative component. Application review begins December 15, 1995 and continues until filled. Please send curriculum vitae, a statement of research and teaching interests, and three letters of recommendation to: Dr. Richard Michod, Chair, Evolutionary Genetics Search Committee, Department of Ecology & Evolutionary Biology, Biological Sciences West, University of Arizona, Tucson, AZ 85721.

The University of Arizona is an Equal Opportunity/Affirmative Action/ADA Employer; applications from women and minorities are encouraged.

Biology: Hartwick College invites applications for two full-time anticipated TENURE-TRACK positions beginning September 1996. Hartwick is a liberal arts college with approximately 1400 students located in upstate New York. Successful candidates must demonstrate excellence in undergraduate teaching, establish a research program involving undergraduate students, and be willing to seek external funding for research. Ph.D. required. We are seeking 1) a neurobiologist to teach anatomy and physiology and upper-level courses such as neurobiology, invertebrate or vertebrate zoology, and electron microscopy, and to advise pre-medical students; and 2) a plant/aquatic ecologist to teach plant morphology, plant systemsatics, limnology, aquatic ecology, and courses in the Environmental Science and Policy Program, such as ecology and the environment and environmental science. Please attach a separate letter of interest, curriculum vitae, and three letters of recommendation to: Dr. Linda A. Swift, Chairperson, Biology Department, Hartwick College, Oneonta, NY 13820. Deadline for receipt of applications is January 26, 1996. Minority and women candidates are especially urged to apply. An Equal Opportunity Employer.

ANIMAL PHYSIOLOGY ASSISTANT PROFESSOR

BARNARD COLLEGE

The Department of Biological Sciences at Barnard College, Columbia University, is seeking a full-time ASSISTANT PROFESSOR (or equivalent) to participate in undergraduate teaching and conduct active research programs.

Position responsibilities will be lectures and laboratory courses in animal physiology. Candidates should be broadly trained in biology and able to teach introductory courses as well as advanced courses in areas of particular specialty (field open). Ph.D. required; postdoctoral and prior teaching experience desirable.

Submit curriculum vitae with a list of publications, statement of research and teaching experience and plans, three representative publications, and three letters of recommendation to: Physiology Search Committee, Department of Biological Sciences, Barnard College, 3009 Broadway, New York, NY 10027. Telephone: 212-854-2437. The department will begin reviewing applications in early December. An Equal Opportunity/Affirmative Action Employer. Women and minority groups are encouraged.

NEUROSCIENTIST

Two JUNIOR FACULTY or POSTDOCTORAL positions are available to study local signaling between neurons and astrocytes, using in vivo and in vitro preparations. The research could involve either in electrophysiology or in cell transfection, plasmid preparation, vector construction is desirable. Submit curriculum vitae and reference letter to: Dr. Karenan M.D., Ph.D., Department of Cell Biology and Anatomy, New York Medical College, Basic Science Building, Valhalla, NY 10595. Fax: 914-993-4653.

882

SCIENCE • VOL. 270 • 3 NOVEMBER 1995
In this special advertising supplement, we will look at current trends and news surrounding the biotech and pharmaceutical industry in California, making this issue an excellent opportunity to draw more attention to the scientific career opportunities available within your company.

Space reservation deadline:
First Come, First Served Basis until November 20
Call Bethany Ritchey
(202) 326-6541

25% Discount
Repeat your ad within 8 weeks and receive 25% off the second placement!

Each recruitment advertisement in this issue will automatically be posted on our on-line career service, Science Global Career Network.

http://www.aaas.org
(Once you enter the AAAS home page, choose SCIENCE from the menu)
ASSISTANT PROFESSOR
INSECT EVOLUTIONARY BIOLOGY

The Department of Biology invites applications for a tenure-track, ASSISTANT PROFESSOR position in insect systematics and evolution. A Ph.D. is required; postdoctoral experience is preferred. The successful applicant will be expected to develop an externally funded research program that uses innovative approaches in the study of insect evolution. Teaching responsibilities will include an upper-division course in insect systematics. Utah State University is a Carnegie I Research institution; the Department of Biology consists of 35 faculty, including several individuals whose primary research interests involve insects. The Department also maintains an insect collection with over two million specimens. There are opportunities for collaboration through the Ecology Center, the Intermountain Herbarium, the Biotechnology Center, the USDA Bee Biology and Systematics Laboratory, and the Utah Agricultural Experiment Station.

Applicants should submit a curriculum vitae, a statement of research and teaching interests, representative reprints, and have at least three letters of recommendation sent to: Dr. Frank J. Mensini, Insect Evolutionary Biology Search Committee, Department of Biology, Utah State University, Logan, UT 84322-5305. Email: Mensini@cc.usu.edu. Review of applications will begin immediately and will continue until the position is filled. Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR
BIOLOGICAL ANTHROPOLOGY

The Department of Anthropology at the University of Michigan invites applications for a TENURE-TRACK position in biological anthropology. Applicants should have a Ph.D. and will be expected to develop a laboratory-based research program with extramural grant support to investigate the population and molecular genetics of humans. Send curriculum vitae, names and addresses of three references, and statements of research and teaching interests to: John Mitani, Department of Anthropology, University of Michigan, Ann Arbor, MI 48109-1382. The University of Michigan is an Affirmative Action/Equal Opportunity Employer.

ASSISTANT PROFESSOR POSITIONS

The Morehouse School of Medicine Neuroscience Institute invites applications for full-time positions at the ASSISTANT PROFESSOR level. The successful candidates will be expected to have expertise in one or more of the following areas: electrophysiology, optical imaging, signal transduction, neurodevelopment, or neural regeneration. Successful applicants will join a recently funded program that supports electrophysiologists and cellular/molecular biologists working on areas such as circadian rhythms, signal transduction, neurotoxicity, and optical imaging, and will work closely with the Director of the Institute to develop their own independent, externally funded research program. Opportunities for joint appointments in the pre-clinical departments at Morehouse School of Medicine are available. Interested candidates should send their curriculum vitae, a statement of interest, and representative reprints by November 30, 1995 to: Peter R. MacLeish, Ph.D., Director, Morehouse School of Medicine Neuroscience Institute, Morehouse School of Medicine, 720 Westview Drive, S.W., Atlanta, GA 30310-1495.

The Morehouse School of Medicine is an Equal Opportunity Employer.

BIOLOGY POSITION
BOTANY/ECOLOGY

Wesleyan College has a tenure-track, ASSISTANT PROFESSORSHIP in biology for a botanist/ecologist. Ph.D. required. Preference given to broadly trained botanists able to teach some or all of the following courses: botany, general ecology, biological modelling, biostatistics, evolution. Wesleyan currently maintains grant support from the NSF and NIH and has received a research-based curriculum in the biological sciences.

Committed to becoming a preeminent liberal arts college for women, Wesleyan emphasizes critical thinking, collaborative learning, writing across the disciplines, and student faculty research. Submit letter of application, curriculum vitae, transcripts, and three letters of recommendation to: Dr. Ronald Toll, Chair, Biology Department, Wesleyan College, Macon, GA 31297-4299 by December 8, 1995. Wesleyan is an Affirmative Action/Equal Opportunity Employer. Women and minority candidates are encouraged to apply.

ASSISTANT PROFESSOR
PLANT MOLECULAR BIOLOGIST
Tenure-Track Assistant Professor

The Department of Plant Biology, Southern Illinois University at Carbondale, has available a tenure-track ASSISTANT PROFESSOR position in plant molecular biology beginning August 16, 1996. Minimum qualifications are a doctoral degree in plant biology/botany; experience in a relevant postdoctoral research position; previous coursework in molecular plant biology; teaching experience in plant biology/biology courses; research experience in gene molecular plant biology; and eligibility for participation in a plant biology doctoral program. Qualified candidates should send letter of interest, curriculum vitae, three letters of reference, and copies of relevant publications and grants before 15 January 1996 to: Dr. Walter E. Schmid, Department of Plant Biology, Mailcode 6509, Southern Illinois University at Carbondale, Carbondale, IL 62901-6509. Southern Illinois University at Carbondale is an Equal Opportunity/Affirmative Action Employer.

ASSISTANT PROFESSOR
Plant Biochemistry with 70% research and 30% teaching responsibilities, located in the Department of Vegetable Crops, University of California, Davis. Appointee will develop a strong research program investigating fundamental aspects of plant biochemistry. The research should have ultimate application in the understanding and manipulation of plant products, preferably food quality. Examples of potential research areas are plant secondary metabolism, novel plant products, plant hormones, or the accumulation of carbohydrates, vitamins, fiber, flavor, or aroma compounds. To ensure consideration, applications must be received by February 1, 1996. A curriculum vitae, statement of research and teaching interests with documentation, official transcripts if within five years of receiving degree, and names and addresses of at least three professional references should be sent to: Richard W. Michelmore, Search Committee Chair, Department of Vegetable Crops, University of California, Davis, CA 95616-8746. Telephone: 916-752-1729; FAX: 916-752-9659 or Email: rmichelmore@ucdavis.edu. The University of California is an Affirmative Action/Equal Opportunity Employer.

SCIENCE ENTERS CYBERSPACE!
The world of SCIENCE On-line: Now you can access these exclusive features on the SCIENCE World Wide Web home page with just a click of your mouse:

- **SCIENCE Electronic Marketplace**: The latest scientific product information from top companies.
- **SCIENCE GLOBAL CAREER NETWORK**: On-line classified advertising.
- **Beyond the Printed Page**: Special interactive projects, important data and a constantly evolving collection of electronic information.
- **SCIENCE On-line: SCIENCE Table of Contents, the SCIENCE Editorial, This Week in SCIENCE available the same day that the printed version is published!**

**SCIENCE Covers the World**

**SCIENCE WWW Address**: http://www.aas.org
AMSIE’96 JOB FAIR
1996 AAAS Annual Meeting & Science Innovation Exposition (AMSIE’96)
Baltimore Convention Center • February 12-13, 1996

EMPLOYERS:
If you have multiple positions to fill or just one...not enough qualified candidates to choose from...a limited search budget...The AMSIE’96 JOB FAIR can help you.
• Academic Employers/University Labs • Non-profit Organizations and Government Facilities • Corporate Employers • AMSIE’96 Exhibitors

The AMSIE’96 Job Fair Can Save You Time and Money
If you are looking for senior scientists, research investigators, tenure tracked-faculty, deans and department heads, research assistants and postdocs, grant administrators...AMSIE’96 Job Fair offers:
• Hundreds of top-notch candidates from an exclusive list of scientists—the AAAS/SCIENCE membership file
• Various scientific disciplines, top level degrees: PhD, MD, BS
• 80% in the life sciences
• Captive audience of 5,000 scientists from across the U.S. and abroad
• Special rates for Academic Employers, Non-Profit Organizations, AMSIE’96 Exhibitors, and AAAS Corporate Members
• Unlimited Job Postings (Special rates for SCIENCE advertisers)
• No meeting fee required
• FREE, on-site interview facilities
• Employers can conduct Career Development Seminars: topics include resume writing, interviewing, and other job-hunting skills, as well as the latest information and issues related to scientific careers
• FREE resume book of all participating candidates

FOR MORE INFORMATION, CONTACT
MAIL: Kevin Bullock
AMSIE’96 Job Fair, 1333 H Street, NW, Washington, DC 20005
PHONE: (202) 326-7049
FAX: (202) 289-4021
E-mail: kbullock@aaas.org

The AAAS Employment Exchange presents...

AMSIE’96 JOB FAIR
1996 AAAS Annual Meeting & Science Innovation Exposition (AMSIE’96)
Baltimore Convention Center • February 12-13, 1996

CANDIDATES:
If you are starting your scientific career or at a pivotal point...looking for a better paying job...switching from academia to industry...the AMSIE’96 JOB FAIR can help you.

JOBS, JOBS, JOBS,
Biology, Chemistry, Medical Sciences, Agricultural, Earth Sciences, Engineering, Mathematics, Computer Science, Physics, Astronomy, Social and Behavioral Sciences
• Employers will be on-site in Baltimore to talk to you about real job openings
• Position Postings: various positions and levels of experience for you to review on-site.
• Bring multiple copies of your resume and visit as many employers as you wish
• Bonus for all on-site JOB FAIR registrants: FREE Career Development Seminars on Saturday and Sunday (February 10-11, 1996). Seminars will be conducted by top science recruiters and human resource professionals. Topics include: resume writing, interviewing, and other job-hunting skills, as well as the latest information and issues related to scientific careers
• You can register in advance and just pick up your badge on-site
• You don’t have to attend to participate, all resumes will be given to all employers
• FREE to AAAS Members and AMSIE’96 registrants
• FREE pass to the AMSIE’96 Exposition
• Non-member, non-meeting attendees only $25, on-site

FOR MORE INFORMATION, CONTACT
MAIL: Kevin Bullock
AMSIE’96 Job Fair, 1333 H Street, NW, Washington, DC 20005
FAX: (202) 289-4021
E-mail: kbullock@aaas.org

American Association for the Advancement of Science
ANIMAL VIROLOGIST/TECHNICIAN
The Department of Microbiology and Immunology, College of Veterinary Medicine seeks candidates for a tenure-track position as ASSISTANT PROFESSOR of Virology. The successful applicant will be expected to develop and maintain an independent, extramurally funded research program and to teach veterinary and graduate students. We are particularly interested in candidates who use molecular biological approaches, including molecular biotechnology and computer analysis of gene products, to improve our understanding of viral disease mechanisms.

Training in Neuro Processes in Cognition.
POSTDOCTORAL AND PREDOCTORAL training investigators in areas of multiple levels of analysis. This is a joint program of the Center for the Neural Basis of Cognition between the University of Pittsburgh, its School of Medicine, and Carnegie Mellon University. This is an intermediate level program investigating the neurobiology of cognition utilizing neuroanatomical, neurophysiological, behavioral, and computer simulation procedures. The program involves both human and animal electrophysiological instrumentation, behavioral assessment laboratories, brain imaging, the Pittsburgh Supercomputer Center, and access to human clinical populations. Applicant deadline is February 1, 1996. For information contact: W. Schneider, University of Pittsburgh, 3939 O'Hara Street, Pittsburgh, PA 15260. Telephone: 412-624-7061. Email: NEOUROC@PITTVM.SBNET or HTTP://NEUROC.LRC.acs.pitt.edu/NOTICE.html and HTTP://www.cs.cmu.edu/WEB/Groups/CNRC/CNRC.html.

POSTDOCTORAL FELLOWS
POSTDOCTORAL POSITIONS available immediately to study the molecular mechanisms of lung development. Experience in molecular biology required. University of British Columbia welcomes all qualified applicants, especially women, aboriginal people, visible minorities, and persons with disabilities. In accordance with Canadian immigration requirements, priority will be given to Canadian citizens and permanent residents of Canada.

Please forward curriculum vitae, reprints, and three references to:

Dr. V. C. Venkatessh
Department of Pediatrics
#212-950 West 20th Avenue
Vancouver, BC V6H 1K4
Canada
Telephone: 604-875-2442
Fax: 604-875-3100
Email: vvenk@unix.ubc.ca

POSTDOCTORAL/RESEARCH ASSOCIATE Position available immediately to study regulation and manipulation of fatty acid transport and metabolism in peroxisomal plant tissues. Experience in biochemistry and/or physiology, and molecular biology advantageous. Send curriculum vitae and three references to: David Hildebrand, N-106 AGN, University of Kentucky, Lexington, KY 40504. Email: dhild@ukcc.usky.edu.

RESEARCH ASSOCIATE MOLECULAR BIOLOGY Full-time Position University of Virginia Manage molecular biology laboratory providing services to faculty scientists. Oversees personnel, train technical personnel, perform advanced services, and develop techniques. B.S. with experience or M.S. Salary range: $22,426 to $34,240. Send curriculum vitae and three letters of recommendation to: Co-Sector, Research in Reproduction, Medical Center Box 391, University of Virginia, Charlottesville, VA 22908. Email: repro@virginia.edu.

POSTDOCTORAL and PREDOCTORAL POSITIONS available for new graduate students in molecular biology of neural development and memory. The Department of Neurobiology and Anatomy at the University of Virginia seeks candidates for training positions in the Neural Plasticity and Learning program. The fields of investigations supported by a training grant from the NINDS include defining the neural structures required for simple behaviors and learning and memory, and investigating the mechanisms of motor corticofugal reorganization following acquisitively new motor skills and following cortical injury, plasticity in the primate visual cortex and in the fish retina, physiological, biochemical, molecular and cellular memory storage mechanisms in vertebrates and invertebrates, and the role of protein phosphorylation in the modulation of synaptic efficacy, protein phosphorylation mechanisms in plasticity of neurotransmitting/biosynthetic, molecular biology of long term potentiation, and the role of gene induction and new protein synthesis in long term memory mechanisms and neurotrauma.

Applicants should send a curriculum vitae, the names of three references, and a statement of their research interests to: J. C. Wear, Ph. D., New Haven, CT 06520. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL and PREDOCTORAL POSITIONS in Molecular Biology of Learning and Memory. The Department of Neurobiology and Anatomy at the University of Texas-Houston Medical School is seeking candidates for training positions in the Neural Plasticity and Learning program and to teach veterinary and graduate students. Applications including a detailed description of research and comple- The Santa Fe Institute (SFI) expects to have an opening for one or more postdoctoral fellows beginning in September 1996. The Institute’s multidisciplinary research program is devoted to the study of complex systems, especially complex adaptive systems. For more information about SFI’s Postdoctoral Fellowship see http://www.sfi.org/sfi.html. Applications are accepted January 15, 1996. For more information about the computational neuroscience program is open for applications including a detailed description of research and comple- mentary research efforts. Applicants must have a Ph.D.; those who also have a D.V.M. degree are encouraged to apply. Experience at the postdoctoral level is required. Applications including a curriculum vitae, outline of research interests, and the names of three references should be sent to: Dr. Roger J. Avery, Department of Microbiology and Immunology, College of Veterinary Medicine, CS 175 Veterinary Medical Center, Cornell University, Ithaca, NY 14853-6401. Screening of candidates will begin immediately and will continue until position is filled. Inquiries will be welcomed (Telephone: 607-253-3400; Email: rja5@cornell.edu).

POSTDOCTORAL FELLOWSHIPS in Biochemistry and Molecular Biology at the Santa Fe Institute Studies at the Santa Fe Institute The Santa Fe Institute (SFI) expects to have an opening for one or more postdoctoral fellows beginning in September 1996. The Institute’s multidisciplinary research program is devoted to the study of complex systems, especially complex adaptive systems. For more information about SFI’s Postdoctoral Fellowship see http://www.sfi.org/sfi.html. Applications are accepted January 15, 1996. Decisions will be made by April 1996. Applicants should submit a curriculum vitae, list of publications, statement of research interests, and three letters of recommendation. Incomplete applications will not be considered. Send complete application packages only, please. Submit application to: William S. Harlow, Santa Fe Institute, 1399 Hyde Park Road, Santa Fe, NM 87501 U.S.A. Include your Email address and/or FAX number. SFI is an Equal Opportunity Employer. Women and minorities are encouraged to apply.

POSTDOCTORAL POSITION in Biochemistry and Molecular Biology at the University of Texas-Houston Medical School The Department of Neurobiology and Anatomy at the University of Texas-Houston Medical School is seeking candidates for training positions in the Neural Plasticity and Learning program. The fields of investigations supported by a training grant from the NINDS include defining the neural structures required for simple behaviors and learning and memory, and investigating the mechanisms of motor corticofugal reorganization following acquisitively new motor skills and following cortical injury, plasticity in the primate visual cortex and in the fish retina, physiological, biochemical, molecular and cellular memory storage mechanisms in vertebrates and invertebrates, and the role of protein phosphorylation in the modulation of synaptic efficacy, protein phosphorylation mechanisms in plasticity of neurotransmitting/biosynthetic, molecular biology of long term potentiation, and the role of gene induction and new protein synthesis in long term memory mechanisms and neurotrauma.

Applicants should send a curriculum vitae, the names of three references, and a statement of their research interests to: J. C. Wear, Ph. D., New Haven, CT 06520. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL FELLOWSHIPS in Molecular Biology at the University of Texas-Houston Medical School The Department of Neurobiology and Anatomy at the University of Texas-Houston Medical School is seeking candidates for training positions in the Neural Plasticity and Learning program. The fields of investigations supported by a training grant from the NINDS include defining the neural structures required for simple behaviors and learning and memory, and investigating the mechanisms of motor corticofugal reorganization following acquisitively new motor skills and following cortical injury, plasticity in the primate visual cortex and in the fish retina, physiological, biochemical, molecular and cellular memory storage mechanisms in vertebrates and invertebrates, and the role of protein phosphorylation in the modulation of synaptic efficacy, protein phosphorylation mechanisms in plasticity of neurotransmitting/biosynthetic, molecular biology of long term potentiation, and the role of gene induction and new protein synthesis in long term memory mechanisms and neurotrauma.

Applicants should send a curriculum vitae, the names of three references, and a statement of their research interests to: J. C. Wear, Ph. D., New Haven, CT 06520. Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL and PREDOCTORAL POSITIONS in Molecular Biology of Learning and Memory. The Department of Neurobiology and Anatomy at the University of Texas-Houston Medical School is seeking candidates for training positions in the Neural Plasticity and Learning program. The fields of investigations supported by a training grant from the NINDS include defining the neural structures required for simple behaviors and learning and memory, and investigating the mechanisms of motor corticofugal reorganization following acquisitively new motor skills and following cortical injury, plasticity in the primate visual cortex and in the fish retina, physiological, biochemical, molecular and cellular memory storage mechanisms in vertebrates and invertebrates, and the role of protein phosphorylation in the modulation of synaptic efficacy, protein phosphorylation mechanisms in plasticity of neurotransmitting/biosynthetic, molecular biology of long term potentiation, and the role of gene induction and new protein synthesis in long term memory mechanisms and neurotrauma.

Applicants should send a curriculum vitae, the names of three references, and a statement of their research interests to: J. C. Wear, Ph. D., New Haven, CT 06520. Equal Opportunity/Affirmative Action Employer.
Hematopoietic Signal Transduction

SmithKline Beecham Pharmaceuticals, a worldwide leader in pharmaceutical research, has a challenging opportunity within the Department of Molecular Virology and Host Defense whose activities encompass basic and applied research in molecular virology, immunity to infectious diseases, and hematopoietic cytokine biology and signaling mechanisms.

The successful candidate will direct research efforts aimed at understanding and exploiting hematopoietic cell signaling for drug discovery. The candidate will have responsibility for establishing new research initiatives, and for contributing to ongoing efforts in the area of hematopoietic cell signaling. A Ph.D. or equivalent, and 5-10 years' postdoctoral experience investigating the biochemical and molecular basis for growth factor dependent signal transduction is required. The candidate will work in collaboration with multidisciplinary research teams investigating specific molecular targets with the overall goal of discovering modulators of growth, differentiation and/or apoptosis in hematopoietic cells. The candidate should have excellent written and oral communication skills, a strong publication record, and experience directing Ph.D. scientists. Previous research experience in a pharmaceutical or biotechnology setting is desired, but is not required.

Located in our state-of-the-art research facility in suburban Philadelphia, SmithKline Beecham offers a competitive compensation and benefits package, including relocation, and a stimulating work environment in which to grow and excel. For confidential consideration, please send resume with salary history to: SmithKline Beecham Pharmaceuticals, Job Code H-HSTSD, P.O. Box 2645, Bala Cynwyd, PA 19004. We are an Equal Opportunity Employer, M/F/DV.

THE WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH AND THE DEPARTMENT OF BIOLOGY

The Whitehead Institute for Biomedical Research is looking for candidates for tenure track positions at the level of Assistant Professor in the fields of Developmental Genetics, Mammalian Development, and Structural Biology. Successful candidates will be expected to conduct an active research program and to participate in the Department's teaching program.

Applicants for the Developmental Genetics position should have significant research accomplishments using genetic approaches to elucidate developmental processes in a multicellular organism. We are also interested in candidates pursuing problems in mammalian development, including mechanisms of embryonic induction, cell fate, and cell migration.

Applicants for the Structural Biology position should be accomplished in the use of X-ray crystallographic approaches to study problems in structural biology.

Please designate the search to which you are applying, send a curriculum vitae, a summary of your proposed research program, and the names of at least three scientists who can provide an evaluation of accomplishments and future potential to: Search Committees, Room W1607, Whitehead Institute for Biomedical Research, Nine Cambridge Center, Cambridge, MA 02142. An Equal Opportunity/Affirmative Action Employer.

SIBIA is expanding its interdisciplinary research and development on therapeutic agents for diseases of the central nervous system. We have established an impressive record in the development of innovative technologies integral to the field of neuroscience and the biopharmaceutical industry. We are now seeking experienced Scientists to support our drug discovery efforts for the neuropharmacologists of the future.

HIGH-THROUGHPUT SCREENING

This position requires a Ph.D. in Pharmacology or Medical Chemistry with at least 3 years of experience in drug screening and management of high-throughput screening data. Experience with relational databases and robotic systems is preferred. The focus is the identification of novel lead molecules based on high-throughput functional screening of compounds against recombinant brain receptors and/or ion channels. An ability to interact with various departments in order to develop new assays and pursue leads identified in the screening program together with drug screening experience in an industrial setting, is essential.

NEUROPHARMACOLOGY

We are seeking a Ph.D. to develop models for stroke and epilepsy and assess compounds in these animal models. The ideal candidate will have a Ph.D. and 2-3 years working with various stroke models, including the MCAO model in the rat. A general behavioral background is advantageous.

MEDICINAL CHEMISTRY

A Ph.D. degree in Medicinal, Bioorganic, or Synthetic Chemistry is essential with 3-5 years postdoctoral experience in a medicinal chemistry environment, preferably in an industrial setting. The ideal candidate will have a successful track record in medicinal chemistry with a good understanding of modern approaches to drug discovery. In addition to strong synthetic organic chemistry skills, extensive experience with molecular modeling in drug design will be extremely useful.

ASSISTANT/ASSOCIATE SCIENTISTS

We are also seeking BS/MS-level candidates for the following 3 research roles:

One position requires experience in behavioral pharmacology with emphasis on cognition, conditioning, operant behavior and stereotoxic brain surgery. A strong background in neuroanatomy, immunocytochemistry, and statistical analysis is desirable.

Another position requires 3-5 years of experience in neurotransmitter release, in vivo microdialysis, stereotoxic brain surgery, histology, and cell culture.

The third position requires a degree in Synthetic Organic Chemistry plus 5-9 years experience. The ability to work on small to medium scale multi-step synthesis, a good knowledge of compound separation and purification, as well as structure characterization, are required.

Located on San Diego's beautiful La Jolla coastline, SIBIA offers not only a challenging environment in an aesthetically pleasing setting, but also a competitive salary and benefits package. Send your C.V. with the names of 3 references to: Lynn Alba, SIBIA, 505 Coast Blvd., South, Suite 300, La Jolla, CA 92037, fax (619) 452-9279. EOE.
POSTDOCTORAL POSITIONS

POSTDOCTORAL POSITIONS in molecular, cellular and biochemical toxicology funded by a NIEHS training grant (ES000268)

Topic areas include: regulation of gene expression (toxicant metabolizing enzymes, oncogenes), DNA repair enzymes, cellular effects mediated by the Ah-receptor, toxicant activation; toxicity in developing organisms; mechanisms of carcinogenesis; action of toxicants on liver, kidney, gonad, nerve, and immune cells.

Time will be spent training in Toxicology, and Molecular and Cellular Biology as appropriate. Collaborative projects involving more than one laboratory are encouraged.

Applicants must be U.S. citizens or permanent residents and should send a curriculum vitae, three references (addresses and telephone numbers), and a letter stating research interests to: Dr. Colin J. R. Jefcoat, Director, Environmental Toxicology Center, B157 Steenbock Library, 550 Babcock Drive, Madison, WI 53706. Telephone: 608-263-4580. Email: asq@fas.wisc.edu.

RNA CELL BIOLOGY POSTDOCTORAL POSITION

Candidates with experience in microinjection of mammalian cells are sought for a project on intracellular traffic and localization of RNA. Send curriculum vitae and two letters of reference to Dr. Thorndike, c/o Human Resources Office, Worcester Foundation for Biomedical Research, Shrewsbury, MA 01545. Affirmative Action/Equal Opportunity Employer.

SOMATOSENSORY PHYSIOLOGIST

A POSTDOCTORAL position is available to study somatosensory function after spinal cord injury. Studies will include an evaluation of changes in functional properties of spinal and supraspinal neurons after injury. The research is part of a multidisciplinary effort to develop new strategies to study the functional changes that occur in spinal neurons after spinal injury. Prior experience with extracellular and evoked potential recording techniques in the in vitro spinal cord are required. Send curriculum vitae and three letters of reference to: Dr. Robert Yezierski, The Miami Project to Cure Paralysis, 1600 N.W. 10th Avenue, R-48, Miami, FL 33136. Equal Opportunity Employer/Affirmative Action. Drug and Smoke Free Workplace.

POSTDOCTORAL RESEARCH ASSOCIATE positions available to study (1) modulation of ion channels and hormone secretion. Simultaneous Ca2+ current, membrane capacitance, and microfluorometric (Ca2+) recordings are used to study transmembrane and second messenger control of secretion by single pituitary cells, or (2) regulation of ion channel expression and assembly in cardiac and non-cardiac cells. Send curriculum vitae and three references for Ph.D. or M.D. positions to: Dr. Edward F. Pedersen, 106 Biological Sciences Tower, Department of Pharmacology, University of Pittsburgh, Pittsburgh, PA 15261. The University of Pittsburgh is an Affirmative Action/Equal Opportunity Employer.

POSTDOCTORAL POSITION in cellular/molecular neurobiology available for individual interested in using state of the art electrophysiological and molecular biological techniques to study the roles of excitatory amino acids and second messenger/protein kinase systems in modulation of synaptic transmission and neuronal function in mammalian brain. A strong background in cellular and/or molecular neurobiology is preferred. Send curriculum vitae and three references to: Dr. John E. Lipton, Department of Pharmacology, Emory University School of Medicine, Atlanta, GA 30322. Emory University is an Equal Opportunity/Affirmative Action Employer.

POSTDOCTORAL POSITION available immediately to carry out the sequencing, analysis, and expression of genes relevant to rodent production and strain degeneration. Experience in molecular biology is required, and expertise in constructing and analyzing transgenic and transitory bacterial systems would be highly desirable. Please submit curriculum vitae and the names of three references to: Dr. Eva Kashket, Boston University School of Medicine, 80 East Concord Street, Room 230, Boston, MA 02118-2394. FAX: 617-638-4286; Email: ekashket@acsc.bu.edu.

INSTITUTE OF MOLECULAR BIOLOGY UNIVERSITY OF OREGON, EUGENE, OR

POSTDOCTORAL POSITIONS available to work on gene regulation of steroid synthesis, or growth and differentiation of sex gland development. Previous experience in molecular biology, cell biology, or endocrinology will be helpful. Please send curriculum vitae and list of references to: Dr. J. Roy A. Bour, Institute of Molecular Biology, University of Oregon, Eugene, OR 97403. FAX: 503-346-9907. Email: j rusty@ucr.unc.edu.
Guilford Pharmaceuticals Inc., is a growing Baltimore, Maryland-based biopharmaceutical company with a mission to discover, develop and commercialize novel products for the diagnosis, treatment and prevention of neurological diseases. Guilford is a world leader in neuroscience research and is developing important products for brain cancer, Parkinson's Disease, and ischemia. Guilford is currently expanding its research activities in nerve regrowth, neurodegeneration, and cocaine addiction, and seeks scientists in the following areas:

**NEUROBIOLOGY**

Guilford is seeking scientists with specific expertise in animal models of neurodegenerative diseases to establish an in vivo research laboratory aimed at developing novel therapeutics for neurodegenerative disorders. Ph.D. or M.D./Ph.D. degree in Neuroscience or related field and relevant post-doctoral experience are required. We are also seeking individuals with a B.S./M.S. degree in Biological Sciences and at least 2 years' relevant experience in biochemistry, immunohistochemistry, receptor pharmacology, cell culture, small animal surgery, in vivo microdialysis and/or behavioral pharmacology.

**BEHAVIORAL PHARMACOLOGY**

Guilford is seeking a scientist with a strong background in behavioral pharmacology, preferably with experience in animal models of drug addiction, to establish an in vivo research program aimed at developing novel therapeutics for cocaine addiction. Ph.D. or M.D./Ph.D. degree in Behavioral Pharmacology or related field, and relevant post-doctoral experience are required. Familiarity with microdialysis techniques is desirable.

**MEDICINAL CHEMISTRY**

Guilford is seeking a candidate for a Ph.D. level position who possesses a doctorate in Synthetic Organic Chemistry, preferably natural products total synthesis, as well as relevant post-doctoral experience in the design, synthesis and characterization of biologically-active structures. We are also seeking B.S. or M.S. candidates with a degree in Chemistry and at least 2 years' relevant experience. A thorough proficiency in all modern methods of synthetic organic chemistry and structural characterization (IR, NMR, etc.) is essential.

**PHARMACOKINETICS**

Guilford is seeking a Ph.D. with a strong background in pharmacokinetics to establish a laboratory for the study of absorption, distribution, metabolism and excretion of novel small molecule CNS active compounds, and novel polymer-based drug delivery systems. This position requires 3-5 years' relevant industrial experience. Knowledge of pharmacodynamics is desirable. We are also seeking a B.S. or M.S. candidate with at least 2 years' relevant industrial experience in pharmacokinetics.

Candidates for all positions should possess a strong desire to work in an intensively multidisciplinary team environment, in which insights from neurobiology and structural biology are applied to novel approaches for treating neurodegenerative disorders. A strong record of demonstrated research accomplishments and well-developed communication skills are essential.

We offer highly competitive salaries, benefits and incentive plan, as well as relocation assistance. You are invited to submit your resume and salary history, indicating your area of interest, to:

Guilford Pharmaceuticals Inc., (area of interest),
6611 Tributary Street, Baltimore, MD 21224. EOE.

---

**Endocrinology**

At Amgen, you'll discover a research environment that emphasizes collaboration, intellectual honesty, scientific integrity, and a supportive culture. This unique approach has helped us grow into a global biotechnology leader in just fifteen years.

**ASSOCIATE DIRECTOR**

This individual will help lead a program in generating new therapeutic molecular targets in the areas of obesity and diabetes. Requirements include expertise in the above mentioned areas, a history of published research, and the achievement of academic tenure or a record of progressively responsible management experience in the pharmaceutical industry. The preferred candidate will have experience directing research in receptor pharmacology and molecular biology. (Job Code: OXP-SC-NEUR)

**RESEARCH SCIENTIST**

This individual will participate in programs to develop new therapeutic approaches to obesity and diabetes. Requirements include strong in vivo expertise with 4+ years' postdoctoral academic or industrial experience focused on in vivo hormonal effects on carbohydrate, lipid or protein metabolism. The preferred candidate will have a history of published research using obesity or diabetes disease models. (Job Code: OXP-SC-2964)

We recognize that diverse perspectives are a key factor in the process of discovery.

At Amgen, you'll find our approach to scientific research as rewarding as it is effective. We offer a highly competitive compensation and benefits package that includes a retirement and savings plan, an on-site fitness center, and three weeks' vacation. Please mail or fax your resume/c.v. to: Amgen, Staffing, Job Code: (see above), Amgen Center, Thousand Oaks, CA 91320-1789. Fax: (805) 499-9981. Please consult our on-line Job Bulletin Board at http://www.bio.com for information on other career opportunities available at Amgen. Principals only, please.
2nd International Conference on Functional Mapping of the Human Brain

Sheraton Boston Hotel & Towers, Boston, MA
June 17—21

Call For Abstracts: Received by January 31, 1996

Session Topics
• Sensory System
• Motor System
• Language
• Cognition
• Brain Disorders
• Learning & Memory
• Methods & Models
• Aging & Development

For Information contact:
Organization of Human Brain Mapping
220 Longwood Ave.
Goldenson B-231
Boston, MA 02115 USA
FAX: (617) 432-0057
e-mail: bmnn96@nmr.mgh.harvard.edu
www: http://www.nmr.mgh.harvard.edu/HBM96/Boston.html

FACULTY POSITIONS IN SYSTEMS NEUROSCIENCE
WASHINGTON UNIVERSITY
Department of Anatomy and Neurobiology

Tenure track faculty positions in the area of systems neuroscience are available in the Department of Anatomy & Neurobiology at Washington University School of Medicine. We seek individuals whose research focuses on non-human primates and who are taking innovative approaches to important questions in systems neuroscience, including sensory processing, motor control, or cognitive function. We are particularly interested in applicants whose proposed research program includes a strong computational aspect. Excellent laboratory space will be available in a newly completed state-of-the-art primate facility. Our emphasis is on appointments at the Assistant Professor level, but appointments at a more senior level will also be considered.

The Department of Anatomy & Neurobiology includes 20 faculty who are actively involved in neurobiological research, and it is part of a much larger interdepartmental neuroscience program. The new primate facility is in close proximity to a new Imaging Center containing superb PET and MRI research facilities. Both the department and the neuroscience program offer numerous opportunities for scientific interactions and collaborations.

Applicants should send a curriculum vitae, synopsis of research interests, and names (incl. addresses, phone/fax/email) of three references to: Dr. David Van Essen, Head, Department of Anatomy and Neurobiology, Box 8108, Washington University School of Medicine, 660 S. Euclid Ave., St. Louis, MO 63110, USA. Applications should be received by December 20, 1995.

Washington University is an
Affirmative Action/Equal Opportunity Employer. Applications from minorities and women are encouraged.

Director
Physical Science Laboratory
of New Mexico State University

Physical Science Laboratory (PSL) of New Mexico State University (NMSU) is an R&D organization contracting to government and industry through its strong engineering, service, and science programs, several of which are world-class. Located at the base of the Rio Grande Research Corridor, PSL is strongly positioned with excellent capabilities and a substantial contract base in atmospheric sciences, electronic defense, engineering services, scientific, balloon research, and telemetry.

We invite applications and nominations for the position of Director for a laboratory of about 400 people and $31 million annual contract funding. We seek an energetic, innovative leader who desires new challenges and can demonstrate the following qualifications:

• PhD in engineering or a physical science with the ability to obtain top secret security clearance.
• Ten years of directly relevant experience, including five years experience of “hands-on” manager of RD&E engineering projects.
• Broad general knowledge of science and technology relevant to Laboratory operations.
• Demonstrated success for developing programs and attaining contracts to sustain Laboratory growth.
• Excellent leadership abilities and communication skills.

The ideal candidate will have demonstrated technical and management leadership and initiative in successful performance under relevant government or industrial contract requirements. Applicants should submit a cover letter, resume, and the names, addresses, and telephone numbers of five references. The search committee will begin consideration of applications after November 1, 1995, and will continue until a successful candidate is selected.

Offer of employment is contingent upon verification of the candidate’s eligibility for employment in the United States.

Applications and nomination should be submitted to:

James L. McDonough
Chair, PSL Director Search Committee
Dept. 3AA, Box 30001
New Mexico State University
Las Cruces, New Mexico 88003-3001

NMSU is an EEO/AA employer

PESTICIDE REGISTRATION MANAGER

Do you have:
• A Bachelor's Degree in Marine Biology/Industrial Toxicology (or related science)?
• A minimum of ten (10) years experience in pesticide registrations for marine antifoulants or pesticides with Federal and State E.P.A. agencies?
• Ability to prepare detailed technical reports?

If you can say YES to all these questions and desire a position with a worldwide leader in the commercial marine and pleasure craft coatings industry, please send resume to Jack Hickey, Technical Director, Interlux Division of Courtaulds Coatings, Inc.; 2270 Morris Avenue; Union, NJ 07083 (Fax: 908-964-2250)

An Equal Opportunity Employer M/F/D/V
A position is available to study new methods of visual cortex mapping from cortex to retina via visual function and the mechanisms responsible for their development. The position requires a strong background in neurobiology, is relatively low level, and a PhD or equivalent degree is required.

Applications should send curriculum vitae, research interests, statement of research interests, and names of three references to: Dr. Edward Callaway, La Jolla, CA 92037.
BIology of ParasiTism: Modern Approaches (June 17 - August 16). This course, for students, postdoctoral faculty, focuses on the molecular basis of parasite function and the host/parasite interaction, with special emphasis on the most recent and exciting developments in the area. The course has four sections: cell biology, immunology, molecular biology, and biochemistry. Each section includes daily lectures from course faculty and outside speakers, and intensive laboratory experimentation. Limited to 16 students. Director: Stephen L. Hajduk, University of Alabama at Birmingham.

EMBRYOLOGY: Cell Differentiation and Gene Expression in Early Development (June 11 - July 21). An advanced level course intended for graduate students, postdoctoral fellows, and other research scientists who wish a current treatment of major issues in the experimental analyses of developmental biology of the embryo, and the diverse intellectual approaches now useful in this field. Limited to 24 students. Directors: Eric H. Davidson, California Institute of Technology; Michael Levine, University of California, San Diego, and David R. McClay, Duke University.

MICROBIAL DIVERSITY: (June 16 - August 1). An intensive laboratory and lecture course intended for graduate or postdoctoral students as well as established investigators who desire to become competent in microbiological techniques for isolation and working with a broad range of microbes. Microbial diversity will be described and analyzed in biochemical, physiological, and selected molecular biological terms. Limited to 20 students. Directors: Edward R. Leadbetter, University of Connecticut, and Abigail Salyers, University of Illinois.

NEURAL SYSTEMS & BEHAVIOR: (June 16 - August 9). Intended for graduate and postdoctoral students as well as established investigators. This course focuses on the neural basis and plasticity of behavior. Twenty students participate in intensive laboratories/lectures which combine state-of-the-art neurobiological techniques with behavioral analyses. Directors: Janis C. Weeks, University of Oregon; and Harold H. Zakon, University of Texas.

NEUROBIOLOGY: (June 16 - August 17). An intensive course in molecular and cellular neurobiology for doctoral and postdoctoral students and established investigators. Lectures will offer a systematic discussion of fundamental issues and research paradigms; work in the laboratories will address these issues using the full range of contemporary physiological, molecular, and structural techniques. Limited to 12 students. Directors: Gary Banker, University of Virginia; and Daniel V. Madison, Stanford University.

PHYSIOLOGY: Cellular and Molecular Biology (June 16 - July 27). For a class of 36 pre- and post-doctoral students who desire training in state-of-the-art methods and research strategies in genetics, physiology, and cellular and molecular biology. Pre-doctoral students and physician scientists beginning their laboratory training are particularly encouraged to apply. Interested students may apply for 2-4 weeks of postcourse research starting July 29. Director: Mark S. Mooseker, Yale University.

APPLICATION DEADLINE: March 1, 1996

TUITION: $3,500

FINANCIAL AID: Students who request financial aid generally receive substantial awards. Travel supplements are usually available for non-U.S. residents. Financial Aid requests are not a factor in admissions decisions.

For application forms, contact: Admissions Coordinator, Marine Biological Laboratory, 7 MBL Street, Woods Hole, MA 02543, (508) 289-7401; Internet: admissions@mbl.edu; World Wide Web: http://www.mbl.edu.

The MBL is an Equal Opportunity/Affirmative Action Institution.

UCLA NEUROSCIENCE

The University of California Los Angeles, as part of a major initiative in neuroscience, is seeking to fill three tenure-track positions, at the assistant professor level, in the UCLA College of Letters and Science. We invite applications from individuals doing research in the following areas:

1. molecular cell biology: molecular analysis of cellular processes such as synaptic transmission and neural integration;

2. systems neurobiology: studies of multineuronal networks, from small ensembles to circuitry underlying complex behavior; and

3. behavioral neuroscience: neural basis of learning. Outstanding applicants in other areas of behavioral neuroscience, especially visual or cognitive neuroscience, will be also be considered. This appointment will be made in the Department of Psychology.

All appointees will teach undergraduate and graduate courses in their broad and specialty areas of training and will participate in interdepartmental programs in neuroscience.

For all positions, submit a curriculum vitae, reprints, preprints, and a statement of research interests, plans and goals. Also arrange for three letters of recommendation to be sent to the appropriate search committee. Send applications and letters by December 31, to appropriate search committee. For positions (1) or (2) send application to Search Committee, Molecular Cell Biology or Systems Neurobiology, Brain Research Institute, UCLA, Box 951761, Los Angeles, CA 90095-1761; for position (3), send application to BNS Search Committee, Department of Psychology, Box 951563, Los Angeles, CA 90095-1563.

The University of California is an Affirmative Action/Equal Opportunity Employer. Women and members of underrepresented minorities are encouraged to apply.
California Institute of Technology
Assistant Professor of Planetary Science

A tenure track faculty position is available for a planetary astronomer in the Division of Geological and Planetary Sciences. Initial appointment is for four years and expected to be at the assistant professor level. Completion of the Ph.D. is required. Observational experience in research involving the planets, planetary systems other than the Solar System, and associated instrumentation is highly desirable. The candidate is expected to be sufficiently experienced to use the optical, infrared and microwave observatories of Caltech, such as the Palomar and Keck telescopes, the Owens Valley Radio Observatory Millimeter Array and the Caltech Sub-millimeter telescope, as well as the instruments of the National Observatories. Interest and experience in observational, multi-element telescope arrays is also desirable since it is likely that high angular resolution observations are required for meaningful progress in these areas of research.


The California Institute of Technology is an Equal Opportunity/Affirmative Action Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

Ph.D. SCIENTIST LECTURERS

Pall Corporation is the broadest based filtration and separations company in the world — with current sales of over $800 million. Our leadership position has enabled us to attract and retain world recognized experts to our ranks.

We seek an individual to provide technical support for our Biomedical Products delivering presentations and seminars to leading hospitals, medical education institutions and professional societies. You will work in conjunction with our Regional Managers throughout the country.

To qualify you will have 3-5 years experience and a Ph.D. in Physiology, Cell Biology, or Life Sciences. An interest or background in health care or medical research along with previous teaching experience is helpful. Extensive travel required.

We also have 2 part time positions available.

You will receive a competitive salary & participate in our comprehensive benefits program. Only resumes with salary history and department code will be considered. Replies to:

Human Resources Dept. 20315-451C
PALL CORP.
25 Harbor Park Drive
Port Washington, NY 11050
An Equal Opportunity Employer
SAN FRANCISCO STATE UNIVERSITY
Cooperative Doctoral Programs in Biology and Chemistry

Complete:
- MA in Cell & Molecular Biology, Microbiology, Marine, Ecology & Systematics, Physiology & Behavior, Or Conservation Biology
- MS in Biochemistry or Chemistry at SFSU and;

Complete your Ph.D. in our Cooperative Doctoral Program with:
- University of California, Davis - Nineteen Ph.D. Programs
- University of California, San Francisco - Thirteen Ph.D. Programs

Participants interested in entering Ph.D. programs at other Ph.D. granting institutions are encouraged and supported to do so.

Fifty-two Predoctoral Fellowships During MA/MS studies at SFSU in:
- Biology, Biochemistry and Chemistry

Training support provided through:
- National Institutes of Health (NIH) for groups underrepresented in science (Black, Hispanic, American Indian and Pacific Islander)
- MA-MS/Ph.D. Bridge Program
- Minority Biomedical Research Support (MBRS)
- Minority International Research Training (MIRT)

Research studies in Belize, Cameroon or Peru

Approximately $12,000/year for 27 MA/MS students

U.S. Department of Education financial need based on fellowships:
- Graduate Assistance in Areas of National Need (GAANN)
- Representation of women and ethnic minorities in the sciences is a major area of concern addressed by this program

Approximately $15,500/year for 25 MA/MS students

Write: Professor Frank Bayliss
Department of Biology
San Francisco State University
San Francisco, CA 94132

Call: Trish Anderson (415) 338-1305
FAX (415) 338-0927

San Francisco State University is an equal opportunity/affirmative action employer.

MOLAR BIOLOGISTS

Neurogen Corporation, a rapidly growing biopharmaceutical company focusing on therapeutics for neuropsychiatric disorders is currently expanding its staff in Molecular Biology.

Neurogen is currently seeking highly motivated individuals for the following positions:

1) Postdoctoral Positions: Areas of intended research include growth factors, signal transduction regulation, transcriptional regulation, and neurodegenerative diseases. Applicants should have a recent Ph.D. and extensive research training in molecular biology covering areas of gene isolation and expression. A background in neuroscience is an advantage, but not essential. The appointment is for 2 years with the possibility of renewal for a third year. Neurogen Corporation provides a highly interactive, close-knit research environment capable of providing postdoctoral trainees an in-depth perspective on the development of pharmaceuticals while maintaining cutting-edge research in molecular biology.

2) Research Associates: Candidates should have either a BS or MS in the biological sciences with 4-5 years experience in a molecular biology laboratory. Hands-on experience with recombinant DNA techniques including gene isolation, cloning, PCR, and tissue culture essential.

Neurogen is located in Branford Connecticut, close to New Haven. We offer a stimulating intellectual environment involved in cutting edge scientific discovery for new therapeutic drugs for central nervous system disorders. Neurogen has a comprehensive compensation program consisting of competitive salary, equity participation, 401K plan, health and medical programs, as well as relocation assistance.

Interested candidates should send resumes with cover letter indicating which position you are applying for to: Vivienne Formichella, Personnel Department, Neurogen Corporation, 35 Northeast Industrial Road, Branford, CT 06405.

Neurogen Corporation

Graduate Fellowships
Center for the Study of Evolution and the Origin of Life
UCLA

ORIGIN OF THE UNIVERSE...
FORMATION OF THE EARTH...
BEGINNINGS OF LIFE...
EVOLUTION OF THE BIOSPHERE...
ADVENT OF HOMOSAPIENS...

CSEOL invites applicants for five graduate fellowships for 1996-97. In addition to support provided fellowships by UCLA departments, CSEOL will grant each fellow a stipend of $5,000 per year, for each of the first two years of graduate study, with no teaching or other duties. Stipends may be used for any purpose the Fellow deems appropriate -- travel, lodging, attendance at scientific meetings, purchase of books, computers, research equipment -- for any purpose, without restriction. Fellows are included in a select group of graduate students invited to interact with Center faculty in a weekly dinner/seminar/discussion series. Applicants should be planning to carry out doctoral research under the direction of a CSEOL faculty member in a subject area relating to virtually any aspect of evolution -- of the cosmos, of the solar system, of Earth, of the environment, of life, of humans. Areas of particular interest for 1996-97 include (1) planetary evolution and exobiology; (2) origin and early evolution of life; and (3) biochemical evolution and molecular phylogeny.

Faculty are members of the UCLA Departments of Anthropology, Astronomy, Atmospheric Sciences, Biology, Chemistry & Biochemistry, Computer Science, Earth & Space Sciences, Economics, Geography, History, Microbiological Science, Psychology, and Sociology; the School of Medicine; the School of Public Health; the Institute of Geophysics and Planetary Physics; and the Molecular Biology Institute.

Fellowship applicants must apply (preferably, by 15 March 1996) both to an appropriate academic department and to CSEOL. For application forms and a list of CSEOL members, contact:

CSEOL Fellows Committee
Geology Building, Room 5687
University of California, Los Angeles
Los Angeles, CA 90095-1657
Telephome: (310) 825-11700
FAX: (310) 825-0007
e-mail: SCHOFF@ESS.UCLA.EDU

POSTDOCTORAL FELLOW/RESEARCH ASSOCIATE
IN MOLECULAR BASIS OF DISEASE

The Department of Pathology, Division of Molecular and Cellular Pathology, at the University of Alabama at Birmingham announces the availability of postdoctoral positions in the general area of signal transduction in disease mechanisms. Candidates should have a Ph.D., or equivalent degree. Experience in molecular biological, cell biological, or biochemical techniques is preferred. The following faculty and their areas of interest are participating in the training program:


Interested candidates should send a curriculum vitae, the names of three individuals to serve as references, and your particular project(s) of interest by January 15, 1996 to:

Dr. Thomas M. Lincoln, Director
Division of Molecular and Cellular Pathology
Department of Pathology
The University of Alabama at Birmingham
1670 University Boulevard
Birmingham, Alabama 35294-0019
Telephone: (205) 934-4612
Fax: (205) 934-1775

Neurogen Corporation
Free placement on SCIENCE Global Career Network. Every advertisement in this issue will receive placement on the SCIENCE world wide web service.

Address: http://www.aaas.org

For advertising information, please call:
In Europe, +44 (0) 1223 302 067, or fax: +44 (0) 1223 302 068.
In the U.S., (202) 326-6532, or fax: (202) 682-0816.
In Japan, +81 3 3235-5961, or fax:+81 3 3235-5852.
In Australia, +61 02 922 2977, or fax: +61 02 922 1100.

European Science Education
A SCIENCE Cover Story

Advertising Space Reservation Deadline: 16 January 1996
Issue Date: 2 February 1996

Free placement on SCIENCE Global Career Network. Every advertisement in this issue will receive placement on the SCIENCE world wide web service.

Address: http://www.aaas.org

For advertising information, please call:
In Europe, +44 (0) 1223 302 067, or fax: +44 (0) 1223 302 068.
In the U.S., (202) 326-6532, or fax: (202) 682-0816.
In Japan, +81 3 3235-5961, or fax:+81 3 3235-5852.
In Australia, +61 02 922 2977, or fax: +61 02 922 1100.

INTER-AMERICAN INSTITUTE FOR GLOBAL CHANGE RESEARCH (IAI)
POSITION ANNOUNCEMENT - SCIENTIFIC OFFICER

THE IAI
Established by 11 countries in 1992, the Inter-American Institute for Global Change Research (IAI) pursues a scientific agenda through a network of institutions and professional associates. Initial research priorities of the Institute include studies of tropical ecosystems and biogeochemical cycles, the impacts of climate change on biodiversity, El Nino-Southern Oscillation and interannual climate variability, ocean/atmosphere/land interactions in the interropical Americas, oceanic/coastal/estuarine processes in temperate zones, temperate terrestrial ecosystems, and high latitude processes.

These priorities were selected because they are regionally relevant for policy-making and will foster cooperation among research entities (including extra-regional ones), strengthen global change research capabilities and infrastructure of the region, and improve public awareness and information relating to global environmental conditions, resource management, and sustainable development. Through its research the new Institute earnestly attempts to forge linkages between the products of scientific research and the region's most pressing environmental issues so that those products are available to decision-makers interested in implementing sustainable development in the Americas.

The Institute's Directorate (IAI's administrative organ), composed of a small staff which includes a Director, Financial Officer, and Scientific Officer, is located at the main campus of Brazil's National Institute for Space Research (INPE) in Sao Jose dos Campos, Sao Paulo. The Directorate, the Scientific Advisory Committee (IAI's scientific advisory organ), and the Executive Council (IAI's executive organ) are funded by voluntary contributions of member's countries; extramural grants complement these voluntary contributions to finance major research programs and specific projects. An endowment may be created in the future to diversify further the funding base.

THE POSITION
1. Main responsibilities - Reporting to the IAI Director, the Scientific Officer (SO) is chiefly responsible for proposing and implementing research-related policies and systems, for monitoring (and preparing, on a timely basis, required reports on) the scientific progress of the Institute, and for supporting the work of the Scientific Advisory Committee so that the research agenda and related priorities and transparent, activities are efficiently undertaken through decentralized and collaborative efforts, and the Institute is fully accountable to its member countries and donors.

In the monitoring role, the SO is responsible for ensuring that clear purposes and end-products (quantifiable and measurable, to the extent possible) are in place for each research activity, and that peer review processes are utilized objectively and on a timely basis. The SO will also take responsibility for seeing to it that research processes and research end-products, in each instance, include appropriate interfaces with the policy communities of the Americas. And the SO will serve as the principal advisor to the Scientific Advisory Committee and the Director in their designated roles as reviewers of IAI proposals, projects, and programs. In the supporting role, the SO serves as the primary liaison with [IAI] Research Consortia, Centers, and Institutions concerning project design, implementation, and monitoring, and to assist them in preparing the proposals they propose. Close and productive relations must be built and maintained between the SO and the donor community interested in global change research.

In addition, the SO will be responsible for assisting with the preparation of IAI's scientific papers by IAI's Directorate, serving as a scientific spokesperson for the Institute, and developing beneficial contacts with the many regional and international entities, conventions, and protocols involved in global change issues.

2. Qualifications - The SO should be an internationally recognized authority with a wide range of experience and knowledge of the technical and scientific issues relating to global change. High-level research accomplishments should be evidenced, as well as a demonstrable record of (and commitment to) successfully linking research to policy decision-making. Strong conceptualizing skills are sought, along with skills of verbal and written communication in English and another language of the region. Experience on research project formulation, monitoring and evaluation is desired. Experience working in multidisciplinary research environments is desired, as well as an established network of contacts in the donor community. The SO must hold a Ph.D. degree or equivalent in a science relevant to the field of inquiry, including a social science.

3. Appointment Terms - SO will be appointed as soon as possible for a five-year term which can be renewed. An internationally competitive total compensation package will be provided.

APPLICATION INSTRUCTIONS
Applications and nominations of interested candidates should include (a) a cover letter which directly relates the main responsibilities and qualifications of the position to the candidate's qualifications, (b) a current curriculum vitae that includes a listing of scholarly publications authored, and (c) the names/addresses/phones/faxes of three referees. These materials should be sent to the address shown below. The proposed deadline is December 29, 1995, but applications will be accepted until a suitable candidate has been identified.

IAI Director, c/o INPE, Av. Astronautas 1758
Sao Jose dos Campos, SP Brazil

EOBM/F/DV
The California Institute of Technology announces two fellowships in earth and planetary sciences:

The O.K. EARL POSTDOCTORAL FELLOWSHIP and
The TEXACO POSTDOCTORAL FELLOWSHIP.

These awards are from funds endowed by ORRIN K. EARL, JR. and by the TEXACO PHILANTHROPIC FOUNDATION. Each fellowship carries an annual stipend of $34,000 and offers a research expense fund of $1,000 per year and one-way travel to Pasadena. The duration of each appointment will normally be for two years, contingent upon good progress in the first year, and beginning with the 1996-97 academic year. Fellows are eligible to participate in Caltech’s health and dental program. These fellowships have been established to support the research of scientists typically within two years after receipt of the Ph.D. The intent of the program is to identify and support innovative and creative work in the earth and planetary sciences, with particular emphasis on interdisciplinary work. Applicants with training in physics, chemistry, biology or computer sciences are urged to apply. The Caltech faculty is currently active in geology, geochemistry, geophysics, petrology, seismology and atmospheric and planetary sciences. It is expected that each fellowship holder will be hosted by a division professor (designated by the division chair) who will contribute to the fellowship support both financially and by providing intellectual guidance.

Application forms may be obtained by writing to Prof. E.M. Stolper, Chair, Division of Geological and Planetary Sciences, Mail Code 170-25, California Institute of Technology, Pasadena, California 91125 (e-mail: stover@arms.gps.caltech.edu).

COMPETITIONS WITH REFERENCES

SHOULD ARRIVE AT CALTECH

BY MONDAY, JANUARY 15, 1996.

Fellowship candidates will automatically be considered for other available postdoctoral positions at Caltech in their fields of interest.

Caltech is an Affirmative Action/Egal opportunity Employer. Women, minorities, veterans, and disabled persons are encouraged to apply.

---

The Department of Pharmacology, University of Wisconsin, announces an

INTERNATIONAL SYMPOSIUM

"Role of the Phosphoinositides in Cell Signaling."

June 20-23, 1996.

at the University of Wisconsin-Madison.

This symposium honors the distinguished contributions of Mabel Hokin-Neaverson and Lowell Hokin to signal transduction.

SPEAKERS

Lowell Hokin - Univ. of Wisconsin.
Mabel Hokin-Neaverson - Univ. of Wisconsin.
Richard A. Anderson - Univ. of Wisconsin.
Michael J. Berridge - Cambridge University.
Lewis Canady - Harvard University.
David E. Clophe - Mayo Clinic and Foundation.
Shamshad Cockcroft - University College London.
Scott D. Emr - Univ. of Cal.-San Diego.
John H. Exton - Vanderbilt University.
KareW. Wirtz - Utrecht University.

Philip W. Majerus - Washington University.
Thomas F. J. Martin - Univ. of Wisconsin.
Robert H. Michell - Univ. of Birmingham.
Katsuhiko Mikoshiba - Univ. of Tokyo.
Sue Goo Rhe - Nat. Inst. of Health.
Len Stephens - Cambridge University.
Jeremy W. Thorner - Univ. of Cal.-Berkeley.
Michael D. Waterfield - Ludwig Institute.
Robin F. Irvine - Cambridge University.

For registration and poster session information, please contact:
Marie Ellingson, Conference Services-Wisconsin Union
800 Langdon St., Madison, WI 53706.
(608) 262-2755. Fax (608) 262-5487.

---

The Department of Pharmacology invites applications for a tenure-track position at the Assistant Professor level. Qualified candidates will be considered at the Associate Professor level. Applicants must have a relevant Ph.D. or M.D. degree and at least two years of postdoctoral training. Preference will be given to individuals with demonstrated competence in applying modern techniques of biophysics and biochemistry to fundamental structural/function problems in the broad area of signal transduction. The successful candidate will be expected to establish a well-funded, independent research program and to participate in the graduate and professional teaching activities of the Department.

The strengths of the Department include active research programs in a) signal transduction and growth regulation, b) neuropharmacology and intracellular signaling, c) nucleic acid biochemistry and molecular mechanisms or resistance to anti-cancer drugs, d) cell adhesion mechanisms, e) membrane protein structure/function and f) membrane receptor and ion channel biology. The Department faculty interact extensively with basic and clinical scientists in other departments and with academic and industrial scientists throughout the Research Triangle. The Department conducts a strong graduate program supported by an NIH training grant.

University shared instrumentation facilities include digitized video microscopy, high field biological NMR, single crystal X-ray, confocal and electron microscopy and protease/peptide synthesis facilities. In addition, the university maintains EPR, FT-IR, fluorescence, CD, and mass spectrometers. University computer resources include a major molecular modeling and graphics facility, and VAX 6030 and Convex C340 minicomputers, as well as access to the North Carolina Supercomputing Center, which houses a Cray YMP 8-432.

The University of North Carolina is committed to increasing representation of women and members of minority groups on its faculty and particularly encourages applications from such candidates. Applicants should send a curriculum vitae, a statement of research plans, and the names of three referees to: C.J. Der, Faculty Search Committee Chairman, Department of Pharmacology, CB#7365, University of North Carolina, Chapel Hill, NC 27599-7365; UNC-CH is an Equal Opportunity/Affirmative Action Employer.
Applications are invited for a tenured Associate Professorship in Mycology at the Department of Ecology and Molecular Biology, Royal Veterinary and Agricultural University (KVL) at Copenhagen, Denmark. The successful applicant is expected to take up the position February 1, 1996 or shortly after.

The position primarily involves research on the interactions between microfungi and bacteria, animals and plants in the soil, including microfungal activity and population dynamics, studies of fungal physiology, e.g. cell differentiation and metabolite production, are also part of the research. The associate professor is expected to cooperate with the present research group in Soil Microbiology at the Microbiology Section, but it is expected that departmental research in entomophageous and nematophagous fungi should also benefit from the research. The associate professorship includes teaching and supervision of undergraduate and graduate students, as well as guidance of assistant professors.

The scientific qualifications of the applicant are of major importance and should include a publication record at an international level within the area of the microfungal ecology and physiology. Scientific experience corresponding to a Ph.D. and subsequent employment as assistant professor for 3-4 years is usually required. The applicant should have research experience with cytological, immunological or molecular DNA methods to detect and identify specific microfungi and their products in natural environments. Teaching and supervision experience at the graduate level or higher must be documented. The employed candidate is expected to master the English language and soon acquire the Danish language for teaching and supervision of students.

If no applicants are qualified for the associate professorship as described above the position will be filled at the level of assistant professorship, which is a 3-year training position to qualify as an associate professor. Candidates for the assistant professorship should have a Ph.D. from 1980 or later within mycological research as described above. The candidate must be talented and highly motivated for international level research.

Applications shall include curriculum vitae in 4 copies with personal data, publication list and proof of educational degrees and teaching qualifications. Publications which the applicant wishes to include for evaluation must also be enclosed in 4 copies. All CVs and enclosures should be sorted in 4 identical sets. Applicants are encouraged to write a short memorandum summarizing their most important scientific contributions and describing their teaching skills and experience.

Applications will be evaluated in accordance with the Danish Ministry of Education Directive 728, dated September 9, 1993. During evaluation, the committee may request further information and material from the applicants. The unabridged recommendation of the committee will be sent to all applicants. Terms of employment will be in accordance with the standard agreement between the Danish Ministry of Finance and AC (the federation of graduate employee unions).

Further information about the Associate professorship in Mycology may be obtained from Associate professor Jans Wolstrup (Head of Department) on tel. (+45) 35 28 26 28 or Professor Jan Sørensen on tel. (+45) 35 28 26 26. Applications marked 621-00113-33 must be received by the Royal Veterinary and Agricultural University, Administrationen, Bülowsgade 13, 1870 Frederiksberg C (Copenhagen), Denmark no later than January 2, 1996.
The world of SCIENCE...Now on-line: Now you can access SCIENCE and these exclusive features on the SCIENCE World Wide Web home page with just a click of your mouse:

- **SCIENCE Electronic Marketplace:** Do you need the latest scientific product information from top companies? You'll find just what you're looking for in the Electronic Marketplace.

- **SCIENCE GLOBAL CAREER NETWORK:** With SCIENCE GLOBAL CAREER NETWORK: On-line classified advertising, you can survey the latest in career opportunities from around the world each week. You'll also find additional on-line career related articles and information.

- **Beyond the Printed Page:** This exclusive on-line feature includes special interactive projects such as, Conduct in Science, important data and a constantly evolving collection of electronic information that pioneers new territory beyond the printed pages of SCIENCE.

• **SCIENCE On-line:** Read the SCIENCE Table of Contents, the SCIENCE Editorial and This Week in SCIENCE the same day that the printed version is published!

Whether you want to take part in interactive discussions, look for a new job or review the latest product information, look to the SCIENCE World Wide Web page first. Take advantage of these exclusive on-line features from the journal revolutionizing the world of scientific publishing: SCIENCE.

**SCIENCE WWW Address:** [http://www.aaas.org](http://www.aaas.org)
Endowed Professorship in Neuroscience

Departments of Neurology and Neurobiology and Anatomy and the Center for Investigative Neuroscience of Bowman Gray School of Medicine, Wake Forest University

We are seeking an external candidate with a strong, well-established research program who is using cellular and molecular approaches to study basic neurobiological mechanisms related to neuromuscular disorders. Areas of special interest include trophic/nutritional aspects, axonal growth and regeneration, synapse formation, and animals models of disease and gene therapy, including transgenics. The endowment provides annual research funds to be used at the discretion of the successful candidate. The Bowman Gray School of Medicine of Wake Forest University offers a unique opportunity to interact with neurobiologists with diverse interests that comprise part of a strong and active interdisciplinary Ph.D. Program in Neuroscience with 25 graduate students and over 70 faculty. Send curriculum vitae and a brief one page description of research interests to: Dr. Ronald Oppenheim, Department of Neurobiology and Anatomy, Bowman Gray School of Medicine, Wake Forest University, Winston-Salem, NC 27157-1010. AA/EOE

R E C R U I T M E N T A D V E R T I S E R S

East Coast Careers Forecast

Issue date: 15 December
Space Reservation Deadline: 28 November

In this special advertorial, we will look at current trends and news surrounding the biotech and pharmaceutical industry on the east coast, making this issue an excellent opportunity to draw more attention to the scientific career opportunities available within your company.

TAKE ADVANTAGE OF OUR 25% DISCOUNT!
Repeat your ad within 8 weeks and receive 25% off the second placement!

FREE PLACEMENT ON SCIENCE Global Career Network!
Every advertisement receives placement on the SCIENCE world wide web service.
SCIENCE Global Career Network address: http://www.aaas.org

For more information or to reserve your space, call Janis Crowley at (202) 326-6532.

SCIENCE
COVERS THE WORLD
POSITIONS OPEN

USDA, Agricultural Research Service (ARS), Appalachian Fruit Research Station, Kearneysville, West Virginia, announces an interdisciplinary SUPPORT SCIENTIST position for work in the development and transformation of deciduous perennial fruit species. The incumbent will be part of a multidisciplinary fruit crop improvement research program focused on the transformation of deciduous perennial fruit species. Salary range is $29,898 to $36,174, commensurate with experience. Position is a fixed-term appointment with the possibility of reappointment. Application forms are available from the Vacancy Announcement Office, USDA, ARS, Appalachian Fruit Research Station, 45 Shiloh Road, Kearneysville, WV 25430; Telephone: 304-725-3322. For a copy of the vacancy announcement, including application procedures and forms, contact Janie Carr in Personnel, Telephone: 304-344-4569. For further information on the scientific program, please contact Dr. Ralph Scora, USDA, ARS, Appalachian Fruit Research Station, 45 Shiloh Road, Kearneysville, WV 25430; Telephone: 304-725-3322. For a copy of the announcement, including procedures, contact: Janie Carr, Telephone: 304-344-1921.

An Equal Opportunity Employer.

FELLOWSHIPS. Stanford University’s Center for International Security and Arms Control announces one-year fellowships starting fall 1996 for natural scientists and engineers interested in doing research in an interdisciplinary environment. This experience will be oriented towards intimate understanding of that relation to arms control, international security, defense planning, or defense conversion. Winners spend 12 months in residence at the Center; stipends determined on an individual basis. Applications due February 16, 1996. For information, write CISAC, 320 Galvez Street, Stanford, CA 94305-6160. Telephone: (650) 723-0089; Email: hfb@forstye.stanford.edu.

RESEARCH ASSOCIATE IN PSYCHOPHARMACOLOGY

Position available in July 1996, in a unique and stimulating human psychopharmacology laboratory. Develop, implement, and publish research related to the subjective, reinforcing, and analgesic effects of various psychoactive drugs, including nitric oxide and opioids. Experimental background and research experience required. Send curriculum vitae, letter of interest, and names and telephone numbers of three references by March 1, 1996 to: James Zaccagnini, Ph.D., Co-Director, Psychosomotor Performance Laboratory, The Department of Anesthesiology and Critical Care, MC4028, University of Chicago Medical Center, 5841 South Maryland Avenue, Chicago, IL 60637. Affirmative Action/Equal Opportunity Employer.

RESEARCH ASSOCIATE IN AUDITORY

A research position in the Department of Psychology at the University of Minnesota is available to study the dynamic properties of normal and impaired hearing, with special emphasis on the processing of amplitude and frequency modulation. Applicants must have a Ph.D., preferably in psychology or electrical engineering, and background, including research experience, in psychacoustics. Skills in qualitative modeling and in computer usage in auditory research are desirable. The research will be conducted at the Psychoacoustics Laboratory under the direction of Dr. Neal Viemeister. Salary: $40,000 to $43,000 per year, depending on qualifications and experience. The appointment is as a RESEARCH ASSOCIATE and is for 12 months at 100% time, renewable annually. This is not a tenure-track position but it does offer the possibility of long-term employment. The starting date is approximately February 1, 1996. Candidates should submit a curriculum vitae, three letters of reference, a representative paper, and a statement of long-term research interests to: Professor Neal Viemeister, Department of Psychology, University of Minnesota, 75 East River Road, Minneapolis, MN 55455. (Email: NVF@neuvec.psych.umn.edu). Applications due by: December 31, 1995. The University of Minnesota is an Equal Opportunity Employer and Educator.

POSITIONS OPEN

FELLOWSHIPS IN REPRODUCTIVE BIOLOGY

NORTHWESTERN UNIVERSITY

POSTDOCTORAL AND PREDOCTORAL FELLOWSHIPS are available in reproductive biology for highly qualified applicants. A diverse but integrated program offers research training in molecular, biochemical, cellular, physiological, and behavioral aspects of reproduction. Participating faculty include: James Bartles (seminal surface proteomics); Gabor V. Schaller (molecular and cellular biology of the testis); Mary Hunzicker-Dunn (ovarian signal transduction); J. Larry Jameson (hormonal regulation of gene expression); Jon Levine (neuroendocrinology of the hypothalamus); Anne Linzer (molecular endocrinology); Kelly Mayo (gene regulation in reproductive systems); Neena Schwartz (gonadal-pituitary endocrinology and developmental cycles); and Circadian clocks). Send curriculum vitae and names of three references to: Dr. Jon E. Levine, Department of Neurobiology and Physiology, Northwestern University, 2155 North Campus Drive, Evanston, IL 60208-3520. Applicants must be eligible for NIH training support (U.S. citizens or permanent residents).

OPEN EXAMINATION FOR SENIOR TOXICOLOGIST

The California Environmental Protection Agency, Department of Pesticide Regulation, seeks a SENIOR TOXICOLOGIST in the pesticide regulatory program. Requirements: Four years of postdoctoral experience in toxicology or closely related field. This experience must include the interpretation of toxicological findings relative to probable human health and one year of experience in the development and design of toxicological research and investigative studies. The senior toxicologist position is responsible for both supervisory tasks and may perform the most difficult or sensitive work. The position is located in Sacramento. Salary range: $24,252 to $36,356 per month. Comprehensive benefits package. Submit application and resume to the address below by the Final File Date: November 30, 1995.

Department of Pesticide Regulation Personnel/Examination Unit 1020 N Street, Room 126 Sacramento, CA 95814

For State application and examination telephone: 916-322-4653.

CELL BIOLOGIST

CryoLife, Inc. invites applications and nominations for an individual with training in cell biology. This SCIENTIST position offers an opportunity to develop proprietary technologies available immediately. Responsibilities will include: planning, and executing studies of allo- geneic immune grafting and the appropriate timeline for at least a 5-year grant. Candidates with a degree or a related field will be considered. Applicants must have a Ph.D., preferably in cell biology or pathology and an interest in cell biology. Cell biology, vescular biology, immunology, or related fields. Salary: $15,000 annually. The position is located in Sarnoff, New Jersey. Salary range: $24,252 to $36,356 per month. Comprehensive benefits package. Submit application and resume to the address below by the Final File Date: November 30, 1995.

For State application and examination telephone: 916-322-4653.

RESEARCH ASSOCIATE POSITIONS

Candidates must be capable of independent work with no supervision. Applications are invited for positions in the lab of Dr. Jon E. Levine. These positions involve the development of new animal models and in vitro systems for studying human diseases. Requirements: Ph.D. in neuroscience or related field. Salary: $15,000 annually. The position is located in Sarnoff, New Jersey. Salary range: $24,252 to $36,356 per month. Comprehensive benefits package. Submit application and resume to the address below by the Final File Date: November 30, 1995.

For State application and examination telephone: 916-322-4653.

ANNOUNCEMENT

PARKINSON RESEARCH GRANTS

TOXICOLOGIST

The National Parkinson Foundation of Miami, Florida invites the submission of grant proposals for Parkinson research. Funding is made available to support basic bench research in Parkinson disease. The award for a single grant will not exceed $40,000. None of the monies are to be utilized for administrative overhead or travel expenses. The application deadline is February 1, 1996. Funding will commence on January 1, 1997. Each grant proposal must specifically focus on mechanisms involved in the disease process and that they have the potential of finding the cause and prevention of Parkinson’s disease. Scientists entering the field of Parkinson research are encouraged to apply. Proposals will be assessed by the National Parkinson Foundation Scientific Advisory Board. To obtain submission information please write to:

National Parkinson Foundation Research Grants Administrator 1501 N.W. Ninth Avenue Miami, FL 33136

COURSES AND TRAINING

CAREER CHANGE OPPORTUNITY

This unique program offers the candidate with an earned doctorate in the sciences the opportunity to obtain the Doctor of Optometry (O.D.) degree in two calendar years. Employment opportunities exist in private practice, industry, education, and research. Contact: Dr. D. Chauncy, Program Director, Accelerated Program, The New England College of Optometry, Room S, 424 Beacon Street, Boston, MA 02115.

COMPUTER MARKETPLACE

For Mac Lovers The best bibliography software -only for the Mac-bookends pro ver. 3.2 e-mail: westing3@aol.com http://www.westinge.com/westing Phone: 1-800-325-1862 Circle No. 71 on Readers’ Service Card

MARKETPLACE

Unique Primary Antibodies for Nuclear Matrix Proteins CD44 (v5, v6 & v7) HSP (27, 60, 70) ER/PR Receptors Diagnostic Biosystems (510) 226-9816 Fax (510) 226-6767

Circle No. 46 on Readers’ Service Card Marketplace ads continue on next page
**MARKETPLACE**

**CUSTOM ANTIBODIES TO PEPTIDES & PROTEINS**

Purification, Conjugation and ELISA Titration Available

**HTI BIO-PRODUCTS, INC.**
1 (800) 481-9737 OR (619) 788-9691 Fax: (619) 788-9694

Circle No. 49 on Readers' Service Card

**PACEMAKER™**

World Class

Custom peptides, conjugates and antibodies

Unrivaled product quality and service

Affiniti Research Products Ltd.
Fax: +44 1626 891900
E-mail: 100337.1606@coppeserve.com

Circle No. 54 on Readers' Service Card

**FREE! NEUROCHEMICALS Catalog**

Also available:
- Nitric Oxide Pathway Catalog
- Coagulation Enzymes & Proteins
- Endothelins Catalog

Call 1-800-900-0065
Fax (619)-658-9224

Circle No. 100 on Readers' Service Card

**CUSTOM PEPTIDES**

High quality at unbeatable prices starting from $195*

Order with confidence knowing that you'll get the quantity and purity you require with no hidden extras.

US: West Coast
Tel: 800-644-1866
Fax: 800-655-1866
US: East Coast
Tel: 800-633-8161
Fax: 800-434-3970
Europe:
Tel: +33 72 41 7091
Fax: +33 78 37 4662

Circle No. 24 on Readers' Service Card

**PY20 TRANSDUCTION LABORATORIES**

The premium antibody for phosphotyrosine detection is available from the laboratory where it originated, for the low price of...

$100/mg!

Circle No. 38 on Readers' Service Card

**DAKO CORPORATION**

NEW! Amplification tools from DAKO

Increase your performance.

For immunohistochemistry:

DAKO® CATALYZED SIGNAL AMPLIFICATION (CSA) SYSTEM

For ELISAs:

DAKO® AMP\™

Call for more information and a FREE catalog.

800/424-0021
Fax: 805/566-6688

Circle No. 109 on Readers' Service Card

**MARKETPLACE**

**Serum-Free Human Endothelial Cells**

More Cells / Lowest Price / Highest Quality
Start up a 75 cm Flask / Recombinant Mitogen

CS Certificate # 30566

Circle No. 66 on Readers' Service Card

**MOLECULAR BIOLOGY**

The Midland Certified Reagent Co. Molecular Biology Group

("We Clone Around the Clock!")

**GENE SYNTHESIS** We built the world's largest synthetic gene!

**CUSTOM MUTAGENESIS** Only the changes you want

**DNA SEQUENCING** As fast as 24 hours - Guaranteed and Confidential.

Pr: (800) 247-8766 MIdLAnD Web Site: http://www.mcrc.com

Circle No. 19 on Readers' Service Card

**IDT INTEGRATED DNA TECHNOLOGIES, INC.**

Custom DNA Synthesis

$1.65 / Base

200 nmole Scale
No Set-up Fee
Column Purified
24 Hour Shipping
Q.C. by PAGE on Every Oligo

Call today, join over 175 institutions already on our discount programs!

E-mail: orders@idtdna.com
Web Site: http://www.idtdna.com
Fax: 1-319-645-2921
Phone: 1-800-328-2661

Circle No. 3 on Readers' Service Card

**SCIENTIST**

Fits Equations To Data

- nonlinear algebraic equations
- implicit algebraic equations
- Laplace transforms
- ordinary differential equations
- various splines/polynomials

1-800-942-6284

MICROMATH

Circle No. 26 on Readers' Service Card

**Sequencing**

Each sterile package includes a free pipette for easy sample removal!

BTX
1-800-289-2465
FAX: 619-597-9594

Circle No. 44 on Readers' Service Card

**AUTOMATED DNA SEQUENCING**

SEQWRIGHT, LLC 2472 Bolsover #425 Houston, TX 77003 1-800-720-4363 FAX: 713-528-6232

Circle No. 99 on Readers' Service Card

**PEPTIDES**

Purity > 90%, $20 Res. (off thr. May)
1st order disc., no setup fee, free HPLC/A.A. analy.

PEPTIDE ANTIBODY: $250, Rabbit UNREASONABLY, NO CHARGE IF NO ANTIBODY PRODUCTION

PEPTIDE LIBRARY: from $50, library
1-800-460-0070 (Tel)
TANA LAB., LC: +1-913-663-7163 (Fax)

Circle No. 31 on Readers' Service Card

**CUSTOM DNA**

Purified & Delivered in 48 hours

$5.00 per base • Purified Guaranteed minimum 100µg

Research Genetics, Inc. 1-800-533-4363

Circle No. 7 on Readers' Service Card
WHILE OTHER DNA SUPPLIERS PROMISE YOU THE WORLD, OPERON ACTUALLY DELIVERS IT.

Operon is the world’s leading supplier of DNA. And we maintain that leadership by consistently delivering exactly the product you need. On time. With unsurpassed purity. Backed by an unconditional guarantee. And at an extremely competitive price.

For a brochure or to place an order, call us at 1-800-688-2248.
Peptides and Antibodies

Research Genetics eliminates the problem of having to choose between high quality, low-price and fast delivery in peptide production, with our express peptide service. With this service, we provide 15-40mg of 10-20mer peptides in 5 days for $18 per residue with no setup charge. The peptide you receive will be fully deprotected, lyophilized, and packed under argon. Research Genetics offers a variety of custom options such as biotinylation, purification, acetylation, and amidation. Please contact us before placing your order to have these options more fully explained.

Research Genetics is proud to provide an economical 'start-to-finish' peptide antibody service. Your peptide will be synthesized utilizing the latest FMOC solid phase methods with MAP resin technology which increases the antigenic response. Monoclonal antibodies will be delivered in 24 weeks costing $8,500, and polyclonal in 16 weeks costing $1,195. When requested, first bleed serum from polyclonal antibodies is available upon collection.