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Successful candidates will have a PhD or MD degree, or equivalent, with post-doctoral training, on topics such as biomedical data mining and machine learning; natural language processing (NLP) and ontologies applied to biomedicine; informatics related to healthcare delivery and personalized medicine (e.g. clinical decision support or pharmacogenomics). Publications and funding, as evidence of research productivity, a detailed research plan as well as evidence for an interest in graduate and post-doctoral education will be essential components of the application. The rank of selected candidates will depend upon experience and qualifications.

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Stability in the Face of Change

Biopharmas that have fared well despite global economic turmoil have done so by making smart acquisitions, paying attention to global opportunities, investing in R&D, looking beyond the bottom line—and valuing and respecting the scientists who work for them, according to this year’s Science Careers Top Employers Survey.

By Anne Harding

Is it possible to have a successful career in science, and have a life too?

Yes, if you’re working for the right company and you’re ready to ask for what you need, says Lori Morton, associate director of cardiovascular research at Regeneron Pharmaceuticals, Inc., which is #1 on the 2012 Science Careers Top Employers Survey—after making the list for the first time ever, at #2, last year. “I really believe that having an engaged parenthood and career success are not incompatible ideas here,” says Morton, who has worked at the Tarrytown, New York-based biotech for 10 years and has two young children.

Despite continued gloom on the global economic front, Regeneron, Novo Nordisk (up to #4 from #9 last year), Celgene (#12, first time in the top 20), and many more of the companies that made this year’s list are continuing to hire scientists and invest in research and development. Not only that: In an environment where layoffs, benefit cuts, and hiring freezes still seem to be the rule, these well-respected companies are focused not just on getting the most out of their employees, but on helping them live balanced, healthy lives. These companies have recognized that these two things are far from mutually exclusive.

“We of course focus on innovation and the development of new products, and therefore we focus very much on people,” says Mario Watzke, head of human resources marketing and employer branding at Roche (excluding Genentech), which moved up to #8 on the list this year from #15, making the top 10 list for the first time. (Genentech, a member of the Roche group, is #3 this year). Roche’s concern for its employees shows itself in benefits ranging from an Olympic-size swimming pool for employee use at the company’s Basel headquarters to flexible schedules, on-site kindergartens, a babysitting service, and a nanny finder. Other unusual benefits offered by this year’s top 20 employers include health insurance for pets (Novo Nordisk); in-office massage and visits from the ice-cream truck (Regeneron); deliveries of farm-fresh vegetables to the office (Novartis Institute for Biomedical Research, the research and development division of Novartis, #11); and annual health checks for all employees (Biocon Limited, #19).

What Makes a Top Employer

Every year, Science commissions a survey to identify the biotech and pharma companies considered to be the top employers in the industry, and also to determine which qualities scientists use to make this judgment. This year’s results are based on 4,276 responses to a web-based survey (see chart, page 404, for a description of survey methodologies).

Two companies, Monsanto Company (from #16 to #5) and Roche (from #15 to #8), made the top 10 list for the first time this year, while Biocon is a newcomer to the top 20. Vertex Pharmaceuticals Incorporated (#2), Genentech (#3), Millennium: The Takeda Oncology Company (#6), Boehringer Ingelheim (#7), Biogen Idec (#9), and DuPont (#10) round out the top 10. (See chart for a full list of the top 20.)

Innovation in Everything

“Innovative leader” doesn’t just describe the research the top 20 companies do or the products they make; it also characterizes a company’s approach to recruiting and retaining the best talent, their strategies for growth, and their corporate culture.

It can even mean becoming a player in social media, like Boehringer Ingelheim, which has won recognition for its Facebook-based Health-Seeker social game, which helps people with diabetes learn how to make healthy lifestyle changes with their Facebook friends’ support.

Novartis Institutes for Biomedical Research (NIBR), which currently employs more than 6,500 scientists in over 10 different locations across the globe, got its start a decade ago when the Basel-based pharma giant decided to headquarter its research and development operations in Cambridge, Massachusetts—a bold and innovative move in and of itself. And NIBR’s mission is also unique, explains Mark Sawyer, global head of human resources for NIBR. “It’s not the pursuit of the blockbuster; it’s simply pursuing unmet medical needs, and not being driven by the market.”

Project teams are built around key scientific questions, Sawyer adds, not market opportunities, and NIBR works hard to foster collaboration and keep the organization as flat as possible. And it works: Only 2 percent of hires leave the company within their first 12 months on the job, giving NIBR the lowest turnover of any division within Novartis. As of 2011, the company had more continued>

Upcoming Features

European Regional Focus—November 9
Faculty—February 1, 2013
Regional Focus: Asia—February 22, 2013
## Annual Top Employers Survey

### Top Twenty Employers

<table>
<thead>
<tr>
<th>2012 Rank</th>
<th>2011 Rank</th>
<th>Employer (Global Headquarters)</th>
<th>Innovative leader in the industry</th>
<th>Treats employees with respect</th>
<th>Has great employees</th>
<th>Does important, quality research</th>
<th>Makes changes needed</th>
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<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>Regeneron Pharmaceuticals, Inc. <em>(Tarrytown, NY)</em></td>
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<td>3</td>
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<td>4</td>
<td>9</td>
<td>Novo Nordisk <em>( Bagsvaerd, Denmark)</em></td>
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<tr>
<td>5</td>
<td>16</td>
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<td>6</td>
<td>5</td>
<td>Millennium: The Takeda Oncology Company <em>(Cambridge, MA)</em></td>
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<td>Roche – excluding Genentech <em>(Basel, Switzerland)</em></td>
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The 20 companies with the best reputations as employers and the top three driving characteristics for each company, according to respondents in the 2012 survey undertaken for the Science/AAS Custom Publishing Office. The companies without a 2011 rank did not receive enough mentions to qualify or did not receive a high enough ranking during the 2011 survey.

than 130 projects in clinical development, and is well-prepared for the expiration of the patent on its blockbuster drug Diovon in 2013, according to Sawyer. “Nearly 30 percent of revenue is now gleaned from recently launched products, and we’re seeing significant growth in emerging markets.”

### SUPPORTING HARD WORK, FAMILY LIFE

Since its founding, Regeneron leadership has focused on making the company a science-driven blend of academia and industry. “We give our scientists much greater freedom to go where the science takes them to do innovative things; we’re not constantly hounding them about expenses and minor administrative details,” says Ross Grossman, Regeneron’s vice president of human resources. Among the most innovative benefits the company offers to employees, he adds, is plenty of support for their lives outside the company. “Because we demand so much of our people, we offer highly subsidized in-home or in-facility child care and adult day care, so that if something happens and your child can’t go to school or you have a problem with your aged parent, we can help.”

Leonard S. Schleifer, a neurologist and assistant professor at Columbia University, founded Regeneron in 1988 with the goal of using gene technology to regenerate neurons. The following year, George Yancopoulos, then a molecular immunologist also at Columbia and now the company’s executive vice president and chief scientific officer, opened Regeneron’s labs in Tarrytown. Schleifer continues to lead the company as president and chief executive officer.

In 2008, the Food and Drug Administration (FDA) approved the company’s first drug, the interleukin-1 inhibitor Anvaka (rilucetamide), for treating cryoparin-associated periodontal syndromes, which are extremely rare diseases. In 2011, the FDA approved Regeneron’s Eylea (aflibercept), an antibody fragment that helps maintain vision in patients with wet age-related macular degeneration. The drug is expected to reach hundreds of millions of dollars in sales annually. Both drugs were created with Regeneron’s Trap technology for making “decoy receptors.”

The company now has an array of fully human antibodies in its pipeline created with its proprietary VeloImmune mouse, which has been engineered to express human antibody genes while still mounting a robust immune response by making antibodies with fully human variable regions and mouse constant regions. “This is by orders of magnitude the largest genetic engineering project continued>
POST-DOCTORAL TRAINING PROGRAM OPPORTUNITY

Learn from a leader. Be part of the next life-changing innovation.

Discover a career at the forefront of new discoveries with a top ten biotechnology company focused on changing lives through groundbreaking science. Regeneron’s post-doctoral training program will give you the chance to be surrounded by brilliant minds and place cutting-edge resources and technology for your research at your fingertips.

Launching in 2013, our post-doctoral program offers three years of formal post-doctoral training directed by an award-winning educator, frequent learning opportunities including journal clubs and data dumps, and the ability to pursue your passion for science in a driven environment. Learn more at www.regeneron.com/scienceeducation_professional

Regeneron is an equal opportunity employer. As such, applicants are considered for employment without regard to race, color, religion, sex, national origin, age, sexual orientation, marital status, disability, genetic information, military or veterans status, or any other category protected under applicable federal, state or local law.
We’re improving agricultural sustainability through our innovations*

R&D is at the heart of Syngenta which is in a strong growth phase. We are looking to recruit scientists from a broad variety of scientific disciplines including agronomy, biology, chemistry, biochemistry, breeding and genetics. Syngenta is also proud to be ranked among the Top Employers according to Science’s 2012 Top Biotech and Pharma Employers survey.

As global demand for food and fuel continues to rise, we are dedicated to our purpose: Bringing plant potential to life. Syngenta is one of the world’s leading companies with more than 26,000 employees in over 90 countries. We work in a collaborative and inspiring culture where personal contribution is rewarded and growth and development are at the heart of our culture.

Through our world-class science, global reach and commitment to working with our customers, we help to increase crop quality and productivity, protect the environment and improve health and quality of life.

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Passionate About Our Science and Our People

We’re passionate and rigorous about our science. For more than 30 years, Genentech has been at the forefront of the biotechnology industry, using innovative science to develop breakthrough medicines that improve the lives of people with serious or life-threatening diseases. We’re also passionate about our people, our most important asset.

gRED
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Genentech Research and Early Development (gRED) aims to strike a balance between basic biomedical research discovery and translational research focused on developing medicines for serious or life-threatening medical conditions. The company explicitly fosters individual creativity and initiative among its researchers, encouraging scientists to pursue innovative projects of interest in addition to working toward the company’s patient centric goals. As a result, our more than 1,200 scientists and researchers and 135 postdocs have consistently published important papers in prestigious peer-reviewed journals and are considered among the top researchers in the world in terms of total citations. gRED combines the best of the academic and corporate worlds, allowing researchers not only to pursue important scientific questions but also to potentially watch their idea move from the laboratory into clinical development.

Now a member of the Roche Group, Genentech has multiple medicines on the market for cancer and other serious illnesses. We are an equal opportunity employer and we were recently named a “top employer in the biopharmaceutical industry” by Science magazine.

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Annual Top Employers Survey

SURVEY DEMOGRAPHICS

Company Type:
56% — biotech
35% — pharma
2% — university
6% — other; more than 4 out of 5 work in private industry

Nature of Work:
30% — development
30% — applied research
23% — basic research
14% — administration/executive
13% — QA/QC, regulatory affairs
22% — other (respondents were able to choose more than one response)

Gender:
58% — male
37% — female
5% — no response

Experience:
70% have 10 or more years work experience

Highest Degree Earned:
37% — have Doctorate
27% — have Master’s
29% — have Bachelor’s
7% — other

Geography:
78% — from North America
14% — from Europe
5% — from Asia/Pacific Rim
3% — from rest of world

Biocon’s story underscores the increasingly global nature of the biopharma industry—and the importance of India, China, and other emerging markets not just as testing grounds and markets for drugs, but as resources for scientific and commercial collaboration. In April, the company opened a state-of-the-art, 200,000-square-foot biologics R&D complex that employs more than 300 scientists and was inaugurated by Chemistry Nobel Laureate Kurt Wuthrich.

A host of other deals between leading biopharma companies and their counterparts in the developing world have taken place over the past few months. Amgen (#13 this year, down from #6 in 2011) purchased Turkey’s Mustafa Nevzat Pharmaceuticals, a maker of injectable generic drugs, for $700 million. Merck KGaA (which includes Merck Serono/EMD Serono and is #14 this year) announced it would invest $1.5 billion in R&D in China over the next five years, and Novartis (back up to #11 after being #14 in 2011 and #11 in 2010) has cut jobs in the United States and Europe while adding employees in China and India.

Don Foster, head of research in immunology at Novo Nordisk’s R&D center in Seattle, says working with colleagues across cultures—and continents—is a very effective way to get scientists thinking outside of the box. “In research and development, especially in research, getting diversity of thought is one of the most critical things that you can do to get innovation,” he explains. Scientists at the company are encouraged to shuttle among the company’s R&D sites in Denmark, the United States, and China, by doing job rotations overseas, taking expat assignments, and going on extended business trips, according to Rebecca Capuano, the company’s senior director of human resources.

“Diversity is so important to us, and this gift of being in so many sites around the world enables the diversity,” says NIBR’s Sawyer. The company’s “mini-sabbaticals,” which offer NIBR associates the opportunity to work at other sites for up to three months, have been “extremely valuable and popular,” he adds.

Africa has also emerged as an important partner for the three agricultural chemical producers in the top 20. All have made major commitments to expand their business on the continent. DuPont (#10) announced it would invest $3 million over the next three years to help Ethiopian smallholder farmers achieve food security. In July of this year, the company opened a new office in Lagos, Nigeria, to serve as the hub for its operations in West Africa. Monsanto has said it plans to spend $50 million over the next 10 years in Africa. Syngenta (#17), the world’s largest agrochemical company, said it will invest $500 million in Africa, from which it expects to reap $1 billion in revenues over the next decade.

THINKING, AND ACTING, GLOBALLY

Bangalore-based integrated biopharmaceutical company Biocon made the top 20 list for the first time this year, in the #19 spot. Syngene, Biocon’s contract research arm, and Clinigene, its clinical development branch, have long collaborated successfully with companies overseas, but Biocon has become an R&D power in its own right, with its own global reach. The company, founded in 1978 by Kiran Mazumdar-Shaw, began setting up its first overseas manufacturing facility in Malaysia in 2011, and recently launched the world’s first humanized anti-epidermal growth factor receptor (EGFR) monoclonal antibody, nimotuzumab, which is also the first novel biologic to be developed in India.

Making a difference

The responses to this year’s survey make it clear that helping patients, doing important science, and maybe even changing the world are important to scientists working in biopharma. When asked about the advantages of working in the industry, “positively impacting lives” came first, followed by “fulfilling careers,” “stability,” and “salary/benefits.”

And the companies on this year’s top 20 list make it clear that scientists working in the industry can indeed “do well by doing good.” Celgene, a Summit, New Jersey-based company and...
ready to change lives for a living?

Life-changing careers in R&D

Novo Nordisk is a focused healthcare company specialising in the discovery, design, development and delivery of innovative biological medicines for chronic conditions.

Respect is in everything we do
We work closely with health care providers and patients around the world in order to gain a better understanding of the challenges involved in managing diabetes and obesity, haemophilia, growth hormone deficiencies and autoimmune inflammatory diseases. Based on this insight and our long-standing heritage in developing therapeutic proteins, we strive to continuously advance the treatment of these chronic conditions.

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By exchanging novel ideas across our international research sites, as well as with scientists working outside the company, we continue to ensure a robust treatment pipeline. Our specialty is to take these interesting scientific ideas and turn them into effective, safe and convenient therapeutic proteins and peptides that fit into people's lives.

We offer the chance to be part of a truly global R&D organisation acknowledged for high bioethical standards and where passion and engagement are met with opportunities for professional and personal development.

Join us in building on nearly 90 years of experience in changing people's lives for a living: novonordisk.com/careers
with a chronic disease,” he says. “We can manufacture the missing component and provide a relatively normal life and normal life span for people with fatal diseases.”

“I’m a big believer in biologics,” Foster adds. “They have huge specificity advantages over small molecules. Biologics are fundamentally nature’s way of regulating disease, so we’re manufacturing almost the perfect drug.”

Clinical data is now coming in from one of the company’s first antibodies, for treating rheumatoid arthritis. “It’s encouraging us to believe that there are therapeutics that can not only manage the pain and inflammation of diseases like that, but also potentially impact bone destruction,” Foster says.

Scientists working at Novo Nordisk’s Seattle facility benefit from the excitement of working in an environment that has a biotech startup feel, while at the same time enjoying the stability of being employed by a large, financially healthy organization, which just marked its 40th consecutive quarter of double-digit revenue growth. “It’s thriving and it’s stable, and that means the company has the ability to be not only short-term but long-term focused,” says Foster.

“We’re probably one of the few companies right now that are making long-term commitments in focused research and development, and are fortunate to have the ability to do that,” Capuano says. At around $1.5 billion, she points out, the company’s R&D spending rivals the National Institutes of Health’s funding for diabetes research.

And Novo Nordisk’s financial health means it can offer some unique benefits, including a concierge, health insurance for pets, and “lunch and learn” sessions with college coaches to help parents preparing to send their kids off to university, she adds. “Although the pharmaceutical industry might, at least in the past, have gotten beat up for their extravagant ways,” Capuano continues, “I think at Novo we give back to our employees and we give back to our communities.”

STABILITY, CHANGE, OR BOTH?

This year’s survey respondents listed “stability,” including job security and industry growth, as one of the key advantages of working in biopharma. But respondents also named “change”—mergers and acquisitions, reorganizations, outsourcing, market forces, employees moving between companies, and decreasing innovation—as the main disadvantage of employment in the industry, followed by “negative image,” “workplace conditions,” and “government influence.”

Nevertheless, just one in five survey respondents said they were likely to look for a new job in the next 12 months. A third of those who expected to begin a job search said their goals were career advancement and professional growth; 17 percent were seeking new challenges and experiences; 13 percent wanted to leave their current job due to leadership, management, or supervision issues; 11 percent were planning to look for work because they were not happy with the work environment or culture or the stress of working for their current employer; while 11 percent wanted a continued>
Genzyme has pioneered the development and delivery of transformative therapies for patients affected by rare and debilitating diseases for over 30 years. With a focus on rare diseases and multiple sclerosis, we are dedicated to making a positive impact on the lives of the patients and families we serve.

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You’ll use the latest translational and computational techniques to solve clinical problems and discover new biology. You’ll do great science alongside remarkable people. It’s life-changing work – and it’s waiting for you at Biogen Idec.

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- Fibrosis
- Neurobiology
- Pathology
- Cell Biology
- Antibody Engineering
- Computational Biology
- Postdoctoral Program
better salary and benefits.

Working in biopharma can definitely be a wild ride, and many scientists will find themselves involved in multiple mergers, acquisitions, and spinoffs throughout their careers (see “Navigating Biotech/Pharma Mergers and Acquisitions” article, June 8, scim.ag/QjNmuM).

But the health of the industry means that talented, experienced scientists can expect to land another—maybe better—job after being laid off. R&D spending was essentially flat between 2007 and 2009, but has begun to climb again, according to Pharmaceutical Research and Manufacturers of America (PhRMA) data. While the number of U.S. jobs overall fell by 6 percent between 2007 and 2009, according to data from Battelle, biotech jobs were up by 0.2 percent during the same period. Big pharma employment shrank 4.8 percent, while there was a 3.6 percent increase in jobs at research, testing, and medical labs.

**LETTING EMPLOYEES FOLLOW THEIR PASSION**

NIJR and several other top 20 employers take pride in allowing their scientists to create their own career paths within the company. One of the most innovative things about Monsanto, says Kelly Franklin Brendel, chemistry strategy and operations lead at the St. Louis-based Fortune 500 company, is the freedom the company gives its employees to follow their interests and passions—even if that means going into a totally different division. And if an employee wants to stay where they are and become a “super expert” in that area, their wishes will be honored as well, she says.

Brendel started at Monsanto as an engineer in manufacturing 20 years ago. “It does not feel like I’ve been around that long,” she adds. “It says a lot about the opportunities the company provides when you can feel renewed all the time.”

“Our culture is one that ensures people have multiple development opportunities,” says Melissa Harper, vice president of talent acquisition and diversity lead at Monsanto. “We certainly, in our culture, recognize that our competitive advantage relies on our ability to attract great talent, but at the same time develop and retain that talent.”

Other top employers share this commitment to helping scientists build their knowledge and skills. Roche offers more than 400 different courses on topics ranging from leadership and management to safety. “There are plenty of opportunities, and what we are also pretty proud of is how we train and develop our people,” says Watzke. “We are running huge development programs, not just for the senior leaders but for everyone.”

When recruiting, Watzke adds, Roche doesn’t focus only on finding the smartest scientists. “We don’t hire for skills, we hire for attitudes,” he says. “The skills are the basics you have to bring to the table anyway. We want to have people who are fitting into the working culture, and that’s the most important thing...they have to fit into the team, they have to like it.”

So the company works hard to show potential recruits just what that working culture is all about—and employees are happy to share this information too. Of their own accord, several scientists at the Basel site put together a video showing themselves talking about what it’s like to work at the company, Watzke adds.

The social factor is important for Regeneron, as well. “Being the best or being the most accomplished or the most brilliant is not enough here,” Morton says. “To be a Regeneron person you also have to have personality. Personality and charisma are highly valued here. Because in addition to wanting everyone to have a healthy balance of their personal life and their work, they want to work to be a pleasant place to be, so I think there’s really a strong effort to recruit people who are nice to be around.”

And while Regeneron obviously values hard work, it doesn’t demand face time. “We really encourage people to be as efficient with their time as possible, because it doesn’t help anybody to work endless hours. It’s not healthy. I don’t think anyone who has that work ethic is really working efficiently.”

While Morton says she certainly works hard—typically logging a “reasonable nine-hour day”—she feels comfortable taking the time to call her child’s school, make a doctor’s appointment, or, as she did this spring, leave early to go to her daughter’s preschool graduation.

“The key to that is feeling comfortable, is saying that this is what I need and this is why I’m leaving early, to not be vague about it and say ‘I have an appointment,’ but to feel comfortable saying ‘I’m going to my daughter’s preschool graduation,’ and have them say ‘Great, bring pictures back,’” Morton says. “That is the attitude and the culture, and that’s what I think makes Regeneron such a healthy place to be.”

Anne Harding is a freelance science writer based near New York City.

*To read the extended content, please see the online version at* www.sciencecareers.org/TopEmployers2012

DOI: 10.1126/science.opms.r1200125

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Training at the cutting edge of biomedical research

Across the UK and Ireland, 30 PhD programmes provide specialised training.

To find out more, contact the individual programme you are interested in. For a list and more details, visit www.wellcome.ac.uk/phd/science
Department of Chemical Sciences, Assistant Professor (biochemistry, full-time, tenure-track)

The Department of Chemical Sciences at Bridgewater State University invites applications for a full-time, tenure-track assistant professorship in Biochemistry beginning in September 2013. The successful candidate will have a strong commitment to excellence in undergraduate teaching (including introductory and upper level chemistry), and to developing a research program appropriate to an undergraduate setting (http://www.bridgew.edu/ATP/). Excellent teaching and research facilities are available in our new $68.5M Science and Mathematics Center which opens in fall 2012.

Required Minimum Qualifications: A PhD and post-doctoral experience in biochemistry or a related area are required, as are excellent oral and written communication skills.

Preferred Qualifications: Prior college level teaching experience is preferred, as are candidates with a background in one or more of the following areas: analytical biochemistry, computational biochemistry, bioinformatics, biophysical chemistry, drug discovery, genomics, genomics, proteomics, systems biology.

Special Instructions to Applicants: For consideration, submit electronically a letter of application, curriculum vitae, and statements of teaching philosophy and research plans at http://jobs.bridgew.edu

Review of complete applications will begin on October 15, 2012 and continue until the position is filled.

Bridgewater State University is an affirmative action/equal opportunity employer.

For a complete listing of all available positions, and to apply online visit http://jobs.bridgew.edu

Department of Gynecology and Obstetrics
Vice Chair for Research

Emory University School of Medicine, Department of Gynecology and Obstetrics invites nominations and applications for the position of Vice Chair and Director for Research. The successful candidate will be a nationally recognized MD and/or PhD credentialed researcher with demonstrated achievement in independent and team-oriented science and significant contributions in mentorship and academic service. Applicants with evidence of successful extramural funding and strong publication record in gynecology, obstetrics, gynecologic oncology, or reproductive sciences will be given priority.

The Vice Chair for Research will provide leadership direction to expand the breadth and depth of the Department’s research portfolio, identify scholarly and academic development opportunities for junior faculty and trainees, strengthen existing research partnerships, and foster an extended network of collaborations at local, national, and global levels. The Vice Chair for Research will have a vital role in contributing to the Department’s vision of leading treatment, education and discovery in women’s healthcare by revolutionizing the patient clinical experience, accelerating translation of scientific research into proven clinical practice, and attracting the best students, residents, physicians, scientists, and staff.

Atlanta is a vibrant and diverse city and headquarters for major research and public health entities including the American Cancer Society and the Centers for Disease Control and Prevention. Emory University SOM is a top research institution and Emory Healthcare leads the nation in quality achievements among teaching hospitals.

Applicants should submit a letter of interest, current CV, and names and addresses of three references to the Vice Chair for Research Search Committee, Dept Gyn/Ob, Emory University SOM by emailing Dr. Ira E. Horovitz, Attn: Tammy Loucks, gynobofficeofthechair@emory.edu.

Emory University is an Equal Opportunity/Affirmative Action Employer.
Shine your light in Germany
Profit from excellent conditions for research

The Alexander von Humboldt Professorships are Germany’s way of creating a beacon effect and energising its research landscape. Every year, the Alexander von Humboldt Foundation is offering ten of the world’s leading researchers up to five million EUR each to create new or consolidate existing internationally visible research focus areas at German universities.

Academics of all disciplines are eligible for an Alexander von Humboldt Professorship, provided that they are established abroad and recognised internationally as top-class researchers. They will be nominated by German universities – where appropriate in cooperation with non-university research institutions. Each Alexander von Humboldt Professorship will be sponsored for a period of five years on the premise that the university presents a convincing strategy to sustain the position once the funding period has come to an end.

This will allow new, long-term research groups to be established, conducting cutting-edge international research. The German Ministry of Education and Research is supporting this programme. The Humboldt Foundation actively promotes equal opportunities and therefore particularly welcomes nominations on behalf of leading female academics.

Jefferson Science Fellowship

The National Academies is pleased to announce a call for nominations and applications for the 2013 Jefferson Science Fellows program. Initiated by the Secretary of State in 2003, this fellowship program engages the American academic science, technology, engineering and medical communities in the design and implementation of U.S. foreign policy.

Jefferson Science Fellows (JSF) spend one year at the U.S. Department of State or the U.S. Agency for International Development (USAID) for an on-site assignment in Washington, D.C. that may also involve extended stays at U.S. foreign embassies and/or missions.

The fellowship is open to tenured, or similarly ranked, academic scientists, engineers and physicians from U.S. institutions of higher learning. Nominees/applicants must hold U.S. citizenship and will be required to obtain a security clearance.

The deadline for 2013-2014 program year applications/nominations is January 14, 2013. To learn more about the Jefferson Science Fellowship and to apply, visit the JSF web at:

www.nas.edu/jsf

THE NATIONAL ACADEMIES
Advisers to the Nation on Science, Engineering, and Medicine

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The Leipzig School of Human Origins
- An International Max Planck Research School -
by
The University of Leipzig
and
The Max Planck Institute for Evolutionary Anthropology

The Leipzig School of Human Origins offers a unique interdisciplinary graduate program to study the evolutionary history of humans and great apes. Graduate students are accepted into one of the following areas, but are encouraged to take part in courses and seminars from all three disciplines:

Comparative and Molecular Primatology
Evolutionary and Functional Genomics, Ancient DNA, Molecular Anthropology and Genome Bioinformatics
Human Paleontology, Prehistoric Archaeology and Archaeological Science

The language of the school is English. Visit www.leipzig.de for information on living in Leipzig, Germany, in the center of Europe.

For project and application details go to www.leipzig-school.eva.mpg.de or contact us at:

- e-mail: leipzig-school@eva.mpg.de
- phone: +49 (0) 341 3550-0
- fax: +49 (0) 341 3550-119

Application deadline: January 31, 2013

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UAB THE UNIVERSITY OF ALABAMA AT BIRMINGHAM

Faculty Positions in Virology

The Department of Microbiology is expanding its existing diverse virology research program as part of the UAB strategic plan by inviting applications for up to four tenure track/tenured junior or senior faculty positions in virology. Successful candidates will have demonstrated records of originality and productivity in research, and concerned interest in graduate and medical education. UAB Microbiology is a national leader in NIH research funding and offers a uniquely interactive research environment. Collaborations among basic science disciplines and between basic and clinical faculty are stimulated by multidisciplinary centers at UAB: Center for AIDS Research, Comprehensive Cancer Center, Center for Structural Biology, Center for Clinical and Translational Sciences, Center for Emerging Infections and Emergency Preparedness, Liver Center, and a campus-wide Program in Immunology. State-of-the-art BSL3/ABSBL3 containment facilities are available. UAB is one of the top clinical and research institutions in the nation, located in a beautiful, livable, and affordable city with many cultural and outdoor attractions.

Applicants may provide expertise in new, complementing or existing areas (http://www.microbio.uab.edu/UABvirology). Investigators in the areas of viral pathogenesis, HIV, viral latency, HCV, viral effects on microbiome or metabolome, and select agent research are encouraged to apply.

Review of applications will continue through January 15, 2013. Applicants should invite three individuals who are familiar with their work and potential for success to send letters directly via email. Applicants can submit their CV, a 2-4 page summary of their research accomplishments and future plans, and the names and contact information of three references as a single pdf file to: Frances Lund, Ph.D., c/o Kristina Sinclair, email: ksinclair@uab.edu. A pre-employment background investigation is performed on candidates for employment.

UAB is an Equal Opportunity/Affirmative Action Employer committed to fostering a diverse, equitable and family-friendly environment in which all faculty and staff can excel and achieve work/life balance irrespective of ethnicity, gender, faith, gender identify and expression as well as sexual orientation. UAB also encourages applications from individuals with disabilities and veterans.

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NORTHWESTERN UNIVERSITY

Northwestern University invites exceptional candidates to apply for the position of ASSOCIATE DIRECTOR of The Center for Early Cancer Detection Technologies, which is being formed by the University.

The mission of the Center is to develop novel optics technologies for the characterization and imaging of biological tissue. The focus is on the nanoscale, microscale and molecular levels. The Center also utilizes biophotonics to gain new insights into biological systems and their response to disease. Furthermore, the Center aims to translate these technological and biological innovations into clinical practice.

The Associate Director will work in close collaboration with the Center Director, Professor Vadim Backman. S/he will play a leadership role in the Center overseeing administration and ongoing research activities. In particular, the candidate will be responsible for identifying new research targets and help define the Center’s strategic development. The candidate is expected to help secure new research funding for the Center. The candidate will manage scientists involved in Center projects, provide creative scientific input and coordinate the overall execution of projects. The candidate will build relationships and coordinate external collaborations with academia and industry.

The successful candidate will have a Ph.D. and 4+ years of experience in biophotonics or a related field. The candidate will have demonstrated an outstanding record of research accomplishment and leadership documented by peer-reviewed publications and external reputation. The candidate is expected to have excellent interpersonal and writing skills.

Candidates should submit their Curriculum Vitae and the names of four referees by e-mail to the following address: b-keane@northwestern.edu. Questions of a scientific nature should be addressed to Professor Vadim Backman at v-backman@northwestern.edu. Applications will be accepted until the position is filled.

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Science Careers
Call for International Research Center Proposals

Skolkovo Tech invites collaborative proposals from research and educational institutions around the world in the following areas:

- Biomedicine
- Energy
- Information Technology
- Nuclear
- Space

Skolkovo Tech is a private graduate research university located outside Moscow, Russia. Established in 2011 in collaboration with MIT and the Skolkovo Foundation, the university is founding 15 multidisciplinary Centers for Research, Education and Innovation (CREI) to address critical scientific and technology challenges.

With three centers in negotiations, the Second Round Call for Proposals offers an opportunity to partner with Russian investigators in a world-class research program.

Visit [www.skolkovotech.ru/research](http://www.skolkovotech.ru/research) for details.

**30 November 2012 deadline**

$6-12M USD annually, up to five years

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Skolkovo Tech is currently hiring tenure-track and tenured faculty. Details available at: [www.skolkovotech.ru/faculty](http://www.skolkovotech.ru/faculty)
Wayne State University

Tenured/Tenure Track Faculty Positions in Biological Sciences

The Department of Biological Sciences at Wayne State University (http://www.clas.wayne.edu/biology/) anticipates hiring two tenure-track faculty at the full, associate or assistant professor levels. One position is in microbiology. Areas of interest include, but are not limited to, bacteriology, virology, immunology, host-pathogen interactions, environmental microbiology and infectious disease processes. The second position is in evolutionary biology or population genetics. Preference will be given to candidates working in areas complementing the department’s existing strengths in transcription and gene regulation, organismal and evolutionary development, intracellular and intercellular signaling, genomics, and community and landscape ecology.

Wayne State University is a large, comprehensive, nationally ranked research institution that offers state-of-the-art research facilities and highly competitive start-up packages. The metropolitan Detroit area offers a rich cultural and educational environment, an excellent standard of living, and easy proximity to Michigan’s lakes, forests and recreational sites. Applicants must have a Ph.D. degree, postdoctoral experience and central of their research plans and have three letters of reference sent to the Faculty Search Committee: ad5348@wayne.edu. Please apply by November 15, 2012 for full consideration. Applications will be considered only when all materials have been received.

Wayne State University is an Affirmative Action/Equal Opportunity Employer. Women and members of minority groups are especially encouraged to apply.

Mary Derrickson McCurdy Visiting Scholar at the Duke University Marine Laboratory, Beaufort, NC

Recharge while on sabbatical at the Duke Marine Laboratory. The Nicholas School of the Environment at Duke University invites you to apply to become the Mary Derrickson McCurdy Visiting Scholar resident at the Marine Laboratory in Beaufort, on the North Carolina coast. The McCurdy Scholar will engage in the intellectual life of the Marine Laboratory, including research, teaching, and mentoring in an intimate world-class multidisciplinary research and teaching environment. Our ideal candidate for the position is a gregarious natural or social science scholar in the field of Ocean Science, broadly construed. We strive to understand environmental processes and human behavior broadly framed (e.g., social-ecological systems, human dimensions of natural resource management, human-environment interactions). We are particularly interested in individuals with insights or new perspectives on conservation and enhancement of the environment and its natural resources and especially with clear or potential applications to society. The McCurdy Scholar carries an appointment as Visiting Research Professor appropriate to the rank of the successful applicant. The term of the appointment is for one or two semesters (preferably the nine-month academic year), with the possibility of expansion to one full year. The appointment includes funds that may be used to augment salary, offset living expenses and enable research.

Interested individuals should send curriculum vitae, summary of research interests, reprints of three recent papers and names of three references to the search chair. Electronic submission is best, but the search chair will accept hard copies. Send to: Dan Rittschof, Chair, Search Committee, McCurdy Visiting Scholar, 135 Duke Marine Lab Road, Beaufort, NC 28516-9721; Ritt@duke.edu. The search committee will begin reviewing applications on December 15, 2012. The search will remain open until the position is filled.

Duke University is an Affirmative Action/Equal Opportunity Employer.

Assistant Professor

Department of Biological Chemistry and Molecular Pharmacology
Harvard Medical School

The Department of Biological Chemistry and Molecular Pharmacology at Harvard Medical School invites applicants for a tenure-track faculty position at the rank of Assistant Professor. We are seeking individuals with a demonstrated potential for imaginative research and who propose to work on exciting problems in any area of chemical, structural, and/or mechanistic biology. The successful candidate will be expected to direct innovative and independent research and participate in the teaching of graduate and/or medical students. Our highly interactive environment provides the opportunity to engage and collaborate with other dedicated researchers both within the Department and throughout the diverse Harvard research community. Significant scholarly and scientific resources will be made available for this appointment. For further information about our Department, please see our Web Page: http://bcmp.med.harvard.edu.

Applicants should submit electronic copies of their curriculum vitae, a description of research accomplishments and future research interests (three pages maximum), and ask at least three references to provide letters of recommendation. These materials should be submitted using the following link: https://academicpositions.harvard.edu/postings/4340.

Applications will be considered starting December 1, 2012.

Harvard Medical School is an Equal Opportunity/Affirmative Action employer. We are actively committed to increasing the diversity of our faculty. Women and members of underrepresented minority groups are therefore strongly encouraged to apply.

Tenure-Track Faculty Positions in Stem Cell Biology and Rare Diseases

Stem Cells. We invite applications for three endowed junior positions in stem and iPS cell biology with interests consistent with one or more broad areas in our initiative in adult stem cell and iPS cell biology, including, but not limited to: developmental and regenerative biology, function and regulation of the stem cell niche, mechanisms underlying cellular dedifferentiation and reprogramming, regulation of gene expression in stem cells and reprogrammed iPS cells, tissue engineering, and stem cells in tumor formation and progression.

Apply by November 15.

Rare Diseases. We invite applications for an endowed junior position in rare diseases. We seek outstanding faculty candidates who use integrative and innovative approaches in the study of any rare disease, but we particularly encourage applications in areas of immune dysfunction and neurological diseases.

Apply by December 15.

The University of Notre Dame, an international Catholic research university, is an equal opportunity employer.
**Fellowships for Postdoctoral Scholars at WHOI**

New or recent doctoral recipients with research interests associated with the following are encouraged to submit scholarship applications prior to Jan. 5, 2013:

**Departments** - Awards related to the following areas are anticipated: Applied Ocean Physics & Engineering; Biology; Geology & Geophysics; Marine Chemistry & Geochemistry; Physical Oceanography.

**Institutes** - Each institute fosters interdisciplinary research addressing critical issues, and will award a fellowship to support related research: Ocean and Climate Change Institute; Coastal Ocean Institute; Deep Ocean Exploration Institute; Ocean Life Institute.

The NOAA-WHOI Cooperative Institute for the North Atlantic Region will award a fellowship in one of five theme areas: Ecosystem Forecasting, Ecosystem Monitoring, Ecosystem Management, Protection and Restoration of Resources, Sustained Ocean Observations and Climate Research.

The National Ocean Sciences Accelerator Mass Spectrometer Facility will award a fellowship in the development and implementation of new techniques in radiocarbon studies in marine science.

Awards are competitive, with primary emphasis placed on research promise. Scholarships are 18-months with an annual stipend of $57,000, a research budget and opportunities to support related research. Recipients are encouraged to pursue their own research interest in association with resident staff. Communication with potential WHOI advisors prior to submitting an application is encouraged.

Further information may be obtained at: [http://www.whoi.edu/postdoctoral](http://www.whoi.edu/postdoctoral), [http://www.whoi.edu/postdoctoral](http://www.whoi.edu/postdoctoral), or by contacting the Postdoctoral Fellowship Committee at: (508) 289-2950, or postdoc@whoi.edu.

**Affirmative Action**

**EEO/Affirmative Action**

**Salary**

**Salary**

**Position**

**Position**

**University of Nebraska**

**Lincoln**

**Cognitive Neuroscientist Center for Brain, Biology and Behavior**

The Center for Brain, Biology and Behavior at the University of Nebraska-Lincoln is recruiting a cognitive neuroscientist with fMRI expertise at the Associate or Full Professor rank. The successful candidate is expected to demonstrate excellence in research including an established record of grant funding. We have preference for candidates who can create and connect to initiatives in traumatic head injury and related areas. The interdisciplinary Center engages a broad spectrum of investigators, including a unique research collaboration with University Athletics, and is housed within a new 26,000 square foot building. The facility’s centerpiece is a new Skyra 3 Tesla Siemens scanner, as well as 12 high-density EEG/ERP, NIRS and TMS systems. The Skyra is integrated with a 256-electrode high-density EEG system and an eye tracker that enable simultaneous recordings. The Center is adjacent to the University’s Holland Computing Center with supercomputer resources and support. The tenure home for the successful candidate will be based on a match between candidate background, preferences and departmental interest. Candidate must have an earned Ph.D. Review of applications will begin December 2, 2012 and continue until the position is filled. To be considered for the position, please go to [http://employment.unl.edu](http://employment.unl.edu), requisition #120845 and complete the Faculty/Academic Administrative Form. Interested applicants should then submit a letter of application, curriculum vitae, research and teaching statement, pdfs of completed research, and letters of recommendation sent directly from three referees to: Dr. Dennis L. Molfese, Director, The Center for Brain, Biology and Behavior, 238 Burnett Hall, University of Nebraska, Lincoln, NE 68588-0308.

**MR Physicist/Scientist Research Assistant Professor**

The University of Nebraska - Lincoln is seeking to hire a MR Physicist/Scientist at the Research Assistant professor level to oversee a new state-of-the-art fMRI facility that includes a new Skyra 3T Siemens fMRI scanner within the Center for Brain, Biology and Behavior at the University of Nebraska, Lincoln. This interdisciplinary Center engages a broad spectrum of investigators and occupies a new 26,000 sq. ft. building. In addition to the Skyra scanner, Center facilities include 12 high-density EEG/ERP and NIRS systems, genetics and endocrine labs, as well as 256-electrode high density EEG/ERP and eye tracker systems integrated with the fMRI that enable simultaneous recordings within test sessions. The Center is adjacent to the University’s Holland Computing Center with supercomputer resources and support. The position will include responsibility for ensuring smooth day-to-day operation of the scanner as well as development of new pulse sequences and hardware to support neuroimaging research conducted on the scanner. The successful candidate will have a Ph.D. in physics, chemistry, biomedical engineering, electrical engineering, or a related field, with at least five years of experience in pulse sequence development, MRI hardware, image reconstruction, or a combination of these fields. Previous experience on Siemens scanners is preferred. The candidate will be expected to develop his or her own successful research and grant-funded programs in neuroimaging, pulse sequence development, image reconstruction, or related academic domains. There will also be opportunities to mentor graduate students and teach courses on MR Physics and other topics of interest to the candidate. In support of these goals, collaboration with Siemens and other research groups/institutions will be encouraged. Compensation is dependent on experience. The successful candidate will be affiliated with an academic department based on a match between candidate background, preferences and departmental interest. Review of applications will begin December 2, 2012 and continue until the position is filled. The start date for this position is July 1, 2013. To be considered for the position, please go to [http://employment.unl.edu](http://employment.unl.edu), requisition #120842 and complete the Faculty/Academic Administrative Form. Interested applicants should then submit a letter of application, curriculum vitae, a research statement, pdfs of completed research papers, and letters of recommendation sent directly from three referees to Dr. Dennis L. Molfese, Director, The Center for Brain, Biology and Behavior, 238 Burnett Hall, University of Nebraska, Lincoln, NE 68588-0308.

Lincoln, Nebraska is a vibrant college town of approximately 260,000 that combines the cultural richness of a large university with the affordability of a Midwestern city. The University of Nebraska has an active National Science Foundation ADVANCE gender equity program, and is committed to a pluralistic campus community through Affirmative Action, Equal Opportunity, work-life balance, and dual careers. Inquires should be sent to Nicole Earnest, nearnests2@unl.edu.

The University of Connecticut is an EEO-AA Employer.
**ANNOUNCEMENTS**

**SAO PAULO SCHOOL OF ADVANCED SCIENCE FOR PREVENTION OF MENTAL DISORDERS**

March 25\(^{th}\) to 29\(^{th}\) 2013 • Sao Paulo/Brazil

*Y-MIND*

Important note:
For every approved student/participant the organization will cover all travelling costs for one week stay in Sao Paulo.

“Call for action: a vanguard school of multidisciplinary studies on prevention of mental, emotional and behavioral disorders”

**Selection of students/participants:**
100 positions will be offered for graduate students and post-doctoral fellows working in the field of prevention of mental, emotional and behavioral disorders. Half (50) of these positions are reserved for applicants coming from outside of Brazil. The other half will be distributed among applicants from Sao Paulo state (25 positions) and students from other Brazilian states (25).

The applications have to be made from the 15\(^{th}\) of October to the 15\(^{th}\) of November in the website:
http://www.ymind.com.br
Additional information can be obtained in the e-mail: ymind@ymind.com.br

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**POSITIONS OPEN**

**Department of Pathology**

The Geisel School of Medicine at Dartmouth seeks to fill a tenure-track faculty position within the Department of Pathology, with a secondary appointment to the Department of Microbiology and Immunology. The successful candidate must have an MD or PhD degree, with postdoctoral training, and will be expected to establish and sustain an independent, extramurally-funded research program in immunology, and to participate in teaching. Rank will be commensurate with experience. We seek to foster the development of a group of independently funded but collaborative researchers who will work strategically toward securing programmatic funding in the area of autoimmunity/inflammation. MD/PhD’s are particularly encouraged to apply. Participation in clinical service within the Department of Pathology is not required, but is encouraged up to 20% effort. Generous start-up funds, competitive salary, modern laboratory space, and ample core facilities are available.

Applicants should submit a cover letter, a curriculum vitae and a description of research plans, and should arrange to have three letters of reference sent to:

James D. Gorham, MD, PhD
Professor of Pathology and of Microbiology & Immunology
Department of Pathology
The Geisel School of Medicine at Dartmouth
One Medical Center Drive
Lebanon, New Hampshire 03756
Pathology.Faculty.Search@Dartmouth.edu

Review of applications will begin November 1, 2012.

*The Geisel School of Medicine is an Affirmative Action, Equal Opportunity Employer. Women and minorities are encouraged to apply.*

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**POSITIONS OPEN**

**University of Maryland School of Medicine**

**Neurobiology Faculty Position**
University of Maryland School of Medicine
Baltimore, Maryland

The Department of Anatomy and Neurobiology (http://neurobiology.umaryland.edu) is recruiting for tenured/tenure-track faculty positions in Neuroscience. We are particularly interested in candidates whose research will complement existing strengths in the Department, including: chemical senses, peptidergic circuits, sensorimotor systems, neurodegeneration and neural circuits subserving motivated behaviors and cortical functions. Candidates should have a strong record of scholarly activity and an independent funded research program that can catalyze multi-PI initiatives within the department.

We offer an outstanding intellectual and collaborative environment with highly competitive salary and recruitment packages. All department faculty are members of the Graduate Program in Life Sciences and the interdisciplinary Program in Neuroscience (http://neuroscience.umaryland.edu).

Candidates should submit the following as one single PDF file to facsearch@umaryland.edu: detailed curriculum vitae, a brief statement of research interests and goals, and names/contact information for three references. For best consideration candidates should submit their application by February 1, 2013 and should be addressed to the attention of: Dr. Joseph Cheer, Chair of Faculty Search Committee.

*University of Maryland is an Equal Opportunity, Affirmative Action Employer. Minorities, women, veterans, and individuals with disabilities are encouraged to apply.*
International Search for Academic Positions of Assistant Professor or above

The University of Macau is a leading higher educational institution in Macao and is making strides towards becoming internationally recognized for its excellence in teaching, research and service to the community. The University is growing rapidly with a number of new strategic initiatives including the relocation to a new campus and the establishment of the largest Residential College system in Asia. The new campus will be 20 times larger than the present one with a projected increase of 40% in student intake and faculty size. English is the University's working language.

We plan to develop a strong team of top-notch scholars to help us realize our vision. Applications are therefore invited from those with excellent academic achievements in the following disciplines:

- Business
- Sciences and Mathematics
- Liberal Arts and Humanities
- Engineering and Technologies
- Law
- Education
- Social Sciences
- Health Sciences

Remuneration and appointment rank offered will be competitive and commensurate with the successful applicants' academic qualification, current position and professional experience. The current local maximum income tax rate is 12% but is effectively around 5% - 7% after various discretionary exemptions.

For details about the above open positions and related information, please visit the following websites:

Job vacancy website:  [http://www.umac.mo/vacancy](http://www.umac.mo/vacancy)
University website:  [http://www.umac.mo](http://www.umac.mo)

Further particulars about the job openings are available at [http://www.umac.mo/vacancy](http://www.umac.mo/vacancy). Kindly apply online through the E-application system. Applications will be accepted until the positions are filled. Other contact points are

Human Resources Office
University of Macau, Av. Padre Tomás Pereira, Taipa, Macau
Website:  [https://isw.umac.mo/recruitment](https://isw.umac.mo/recruitment);
Email: vacancy@umac.mo
Tel: +853 8397 8593 or +853 8397 8592;
Fax: +853 8397 8694

The effective position and salary index are subject to the Personnel Statute of the University of Macau in force. The University of Macau reserves the right not to appoint a candidate. Applicants with less qualification and experience can be offered lower positions under special circumstances.

***Personal data provided by applicants will be kept confidential and used for recruitment purpose only***

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Innovative Engineering for Health

Supporting ambitious research and development in biomedical engineering

A £30 million partnership between the Wellcome Trust and the EPSRC to fund engineering solutions to healthcare problems.

Applications invited from companies and academic researchers worldwide.

Apply by 10 December 2012.

[www.wellcome.ac.uk/engineering](http://www.wellcome.ac.uk/engineering)
Faculty Positions in Neuroscience

The California Institute of Technology invites applications for tenure-track professorial positions in the Division of Biology. Positions in Systems Neuroscience are open to investigators studying the neural mechanisms and circuit properties that underlie behavior. Positions in Cellular and Molecular Neuroscience are aimed at applicants whose research programs concern molecular and/or cellular aspects of physiology, behavior, or neural development. Successful applicants are expected to develop innovative research programs and should also have a commitment to undergraduate teaching. Preference will be given to candidates at the Assistant Professor level; however, consideration will also be given to more senior applicants. Initial appointments at the assistant professor level are for four years, and are contingent upon completion of the Ph.D. degree.

Please submit on-line application at http://biology.caltech.edu/Positions and include a brief cover letter, curriculum vitae, relevant publications, and a description of proposed research. Instructions will be given for submission of letters of reference when you apply on-line. Application deadline is December 15, 2012.

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

Cellular, Developmental, or Regulatory Biology

The California Institute of Technology invites applications for a tenure-track professorial position in the Division of Biology. The successful applicant is expected to develop an innovative research program aimed at deciphering the molecular mechanisms that underlie biological phenomena at the level of molecules, cells, or organisms, and to be committed to high quality teaching. Preference will be given to candidates at the Assistant Professor level; however, consideration will also be given to more senior applicants. Initial appointments at the assistant professor level are for four years, and are contingent upon completion of the Ph.D. degree.

Please submit on-line application at http://biology.caltech.edu/Positions and include a brief cover letter, curriculum vitae, relevant publications, and a description of proposed research. Instructions will be given for submission of letters of reference when you apply on-line. Application deadline is December 15, 2012.

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

TWO POSITIONS:
BIOINFORMATICS/COMPUTATIONAL BIOLOGY AND PLANT EVOLUTIONARY BIOLOGY
DEPARTMENT OF BIOLOGY
COLORADO STATE UNIVERSITY

The Biology Department at Colorado State University (Fort Collins, Colorado) invites applicants for two tenure-track positions (ASSISTANT PROFESSOR) in Bioinformatics/Computational Biology and one in Plant Evolutionary Biology. Areas of interest for the Bioinformatics/Computational Biology position include (but are not limited to) epigenomics, evolutionary genomics, metagenomics, molecular or physiological imaging, systems biology, or synthetic biology. This is one of three positions in a cluster hire in Bioinformatics and Computational Biology launched in the College of Natural Sciences.

For the plant evolutionary biology position we seek a creative and broadly trained plant biologist who addresses fundamental and integrative questions in evolutionary biology. Examples of research interests include adaptation, bioinformatics, conservation biology, evolution of morphology and life histories, evolutionary ecology, genomics, hybridization, invasive species, mating systems, molecular evolution, population genetics, and speciation.

Successful candidates will be expected to develop extramurally funded and innovative research programs that complement existing strengths of the department, and to contribute to undergraduate and graduate teaching.

Applicants must have a Ph.D. by the time of application, a research program in bioinformatics/computational biology or plant evolutionary biology, respectively, and peer-reviewed publications. Postdoctoral experience and evidence of successful grant writing are preferred. Applications received online by December 3, 2012 will be given full consideration. Use these links to access the full position descriptions and online applications: bioinformatics/computational biology: http://cns.natsci.colostate.edu/employment/BioInformatics/; plant evolutionary biology: http://cns.natsci.colostate.edu/employment/BioPE/. Include a cover letter, CV, statements of research and teaching interests, representative publications, and the names and contact information for three references. References will be sent instructions by e-mail for submitting letters online by the target date. Application materials of finalist candidates, including letters of reference, will be made available for review by the entire faculty of the Department of Biology.

CSU is an EO/EA/AA Employer: Colorado State University conducts background checks on all final candidates.

FACULTY POSITION
Department of Chemistry
University of North Carolina at Chapel Hill

The Chemistry Department at the University of North Carolina (UNC) at Chapel Hill is seeking a tenure faculty member with research interests in solar energy science and solar fuels or in closely related fields. The appointment will be at the FULL PROFESSOR level. The successful candidate is expected to be an internationally recognized scholar with demonstrated science management skills and ability to provide high-level leadership to university initiatives in energy including the UNC Energy Frontier Research Center in Solar Fuels.

Interested applicants should upload current curriculum vitae to the following website: http://uncpeopleadmin.com/postings/9152. A confidential review of applicants will start 1 November. Questions should be directed to: Chair, EFRC Search Committee, Department of Chemistry, University of North Carolina at Chapel Hill, Chapel Hill, NC 27599-3290; e-mail: chemsearch@unc.edu.

UNC is an Equal Opportunity/Affirmative Action Employer, and strongly encourages applications from women and minorities.

BIOINFORMATICS ASSISTANT PROFESSOR
Tenure Track
Department of Plant Pathology, Kansas State University

LUNDBECK FOUNDATION FELLOWSHIPS

The Lundbeck Foundation hereby invites applications for five fellowships within biomedicine and two within natural sciences which will be granted to especially promising young researchers and their research groups. Within biomedicine, the Foundation has special focus on neurology, psychiatry and allergology/immune modulation.

The fellowships are awarded for five years and each fellowship amounts to DKK 10 million (approx. Euro 1.3 million).

The subject area should be frontline basic- or applied research within the scope of the Foundation’s grant strategy, which can be seen at www.lundbeckfonden.com

The fellowships may well attract Danish or foreign researchers from abroad who wish to move to Denmark and continue their research here. The call is also open for applicants at Danish universities and university hospitals.

The fellowships are intended for seven researchers who are qualified to establish or develop their own research groups within the health or natural sciences and who have received their Ph.D. degree within the last 5-7 years.

The application should include an account of the project’s research plan, collaborators, budget and how the research group is envisioned to be placed within a Danish research institution. In addition, it should include a letter of intent from a resident researcher at the host institution, who makes him- or herself available as a mentor to facilitate the applicant’s establishment of the research group as an integral part of the host institution. Further guidance is provided in the application form.

The application, written in English, should be sent via the Foundation’s Electronic Application System for fellowships at www.lundbeckfonden.com no later than December 16, 2012.

For further information please contact Ulla Jakobsen, Science Manager at the Lundbeck Foundation, phone: +45 39 12 80 11 or at application@lundbeckfonden.com

The Lundbeck Foundation has controlling shareholdings in its subsidiaries H. Lundbeck, ALK and Falck. In addition, the Foundation manages financial investments of approx. € 1.3 billion. The Foundation supports research within the medical and natural sciences. In 2011, the Foundation had a profit after tax of approx. € 217 million and made research grants of approx. € 68 million.

Department of Health and Human Services
National Institutes of Health
National Institute of Neurological Disorders and Stroke
Tenure Track Investigator
Surgical Neurology
Division of Intramural Research

The Division of Intramural Research of the National Institute of Neurological Disorders and Stroke, NIH is searching for outstanding neurosurgeons for tenure track positions in the Surgical Neurology Branch to establish or continue independent and imaginative research efforts integrating laboratory and clinical research. The Surgical Neurology Branch offers intramural basic, translational and clinical neuroscience/neurosurgery research opportunities in central nervous system disorders including (but not exclusive to) tumors, cerebrovascular disease, degenerative diseases, spinal disorders, stereotactic and functional approaches, drug delivery and epilepsy. An MD or MD/PhD with neurosurgical training and at least three years of research experience are required. Board eligibility or certification by American Board of Neurological Surgery is required. An individual selected for a tenure-track position is expected to build a dynamic and productive research group. The successful candidate will join a diverse, collegial group of investigators at NINDS. The position includes a highly competitive research support package that will be commensurate with the qualifications and experience of the individual.

Applicants should send curriculum vitae, including bibliography, statement of research interests and a list of three references to: Dr. Avindra Nath, Clinical Director, NINDS c/o Caren Collins at Building 10, Room 7C103, MSC 1430, Bethesda, MD 20892 or Caren.Collins@nih.gov. Review of applications is expected to begin on October 29, 2012 but applications will be accepted until the position is filled.

HHS and NIH are Equal Opportunity Employers.
TENURE TRACK FACULTY POSITIONS in Gene Expression and Signaling Department of Biochemistry and Molecular Biology

The Department of Biochemistry and Molecular Biology (website: http://www.bmb.msu.edu) at Michigan State University (MSU) seeks to recruit two outstanding tenure system ASSISTANT/ASSOCIATE PROFESSORS in gene expression and signaling. The individuals will employ innovative and multidisciplinary approaches to address central questions in gene expression and signaling in development, differentiation, disease, and evolution. Candidates include stem cells, vertebrates, and invertebrates. It is anticipated that the successful candidate will contribute to the highly collaborative research environment on campus exemplified by the Gene Expression in Development and Disease, Molecular Metabolism and Disease, Mitochondrial Science and Medicine, and Bio/Computational Evolution in Action Consortium groups. The position is intended to build upon existing research focus areas in gene regulation, metabolism and metabolic disorders, infection, and cancer.

Review of application materials will begin on November 15, 2012, and continue until suitable candidates are identified. Applicants should upload a single PDF file with the following information: a brief description of research interests and future directions, and teaching philosophy (website: https://jobs.msu.edu) (position #6878). Three or more letters of reference should be sent to e-mail: gesfacultysearch@cnr.msu.edu. Questions about the position can be addressed to David Amstotz at e-mail: gesfacultysearch@cnr.msu.edu.

Michigan State University is an Affirmative Action/Equal Opportunity Employer. MSU is committed to achieving excellence through diversity. The university actively encourages applications and nominations of women, persons of color, veterans, and persons with disabilities.

NEUROBIOLOGIST

Loyola University Chicago (LUC), College of Arts and Sciences, Department of Biology, invites applications for a full-time tenure-track position in Neurobiology at the rank of ASSISTANT PROFESSOR, beginning August 2013. We are a large department that serves more than 1,500 undergraduate majors and 25 M.S. students with a strong affiliation with the interdisciplinary Neuroscience Minor. Please visit our website: http://www.luc.edu/biology. We have modern laboratory space and research support and imaging facilities. Candidates must hold a Ph.D. or the equivalent level of experience, and will be expected to establish a vigorous, externally funded research program involving undergraduates and M.S. students. Candidates will also contribute to department, college, and university service as requested.

Primary research interests include development and/or function of the nervous system using molecular, cellular, and/or physiological approaches. Teaching responsibilities include courses in neuroscience and/or neurobiology laboratory, and/or an advanced course in the candidate’s area of specialization. Candidates for the position must clearly demonstrate the potential for excellence in research and teaching and have a record of (or clear potential for) distinguished scholarship, grant-funded research, and/or other achievements. Candidates should submit cover letter, curriculum vitae, research plan, teaching philosophy statement, and names and contact information for three references online at website: https://www.luc.edu/academicjobs. Review of applications will begin on November 1, 2012, and continue until the position is filled. Written inquiries about the position can be sent to: Neurobiologist Search Committee, Loyola University Chicago, Department of Biology, 1032 West Sheridan Road, Chicago, IL 60660. Loyola University Chicago is an Equal Opportunity/Affirmative Action Employer with a strong commitment to diversifying its faculty. Applications from women and minority candidates are especially encouraged.

AQWATIC ECLOGIST

Loyola University Chicago (LUC), College of Arts and Sciences, Department of Biology, invites applications for a full-time tenure-track position in Aquatic Ecology at the rank of ASSISTANT PROFESSOR, beginning in August 2013. We are a large department that serves more than 1,500 undergraduate majors and 25 M.S. students (website: http://www.luc.edu/biology). We have modern laboratory facilities, a 2,100 square-foot pond, and a recently established artificial stream facility and a recently established field station (website: http://www.luc.edu/retreatcampus). Candidates must have a Ph.D. and postdoctoral experience, and will be expected to establish a vigorous, externally funded research program involving undergraduates and M.S. students. Preference will be given to candidates working in freshwater ecology with research expertise complementing existing research strengths in the department. Teaching responsibilities shall include general biology, general ecology, and an advanced course in the candidate’s area of specialization. Candidates for the position must clearly demonstrate the potential for excellence in research and teaching and have a record of (or clear potential for) distinguished scholarship, grant-funded research, and/or other achievements. Candidates should submit cover letter, curriculum vitae, research plan, teaching philosophy statement, and names and contact information for three references online at website: https://www.luc.edu/academicjobs. Review of applications will begin on November 1, 2012, and continue until the position is filled. Written inquiries about the position can be sent to: Aquatic Ecologist Search Committee, Loyola University Chicago, Department of Biology, 1032 West Sheridan Road, Chicago, IL 60660. Loyola University Chicago is an Equal Opportunity/Affirmative Action Employer with a strong commitment to diversifying its faculty. Applications from women and minority candidates are especially encouraged.

FACULTY POSITION in Molecular/Cellular Neuroscience The Ohio State University Wexner College of Medicine

The Departments of Neuroscience and Molecular and Cellular Biochemistry at The Ohio State University Wexner College of Medicine invite applications for a faculty position in molecular/cellular neuroscience at the ASSOCIATE (or potentially FULL PROFESSOR) level. We are seeking an investigator with a well established and productive research program focused on diseases of the nervous system. We are particularly interested in research that focuses on tissue microenvironment or expression genetics and that synergizes with our current strengths in cell and developmental neuroscience and biochemistry. The successful candidate will have a joint appointment in the Department of Neuroscience (website: http://biomed.osu.edu/neuroscience/) and Department of Molecular and Cellular Biochemistry (e-mail: biomed.osu.edu/mbiochem/). The RTI will be housed in a new state-of-the-art research building opening in January 2013. The Institute is part of a campus-wide initiative in RNA therapeutics, stem cell biology and gene therapy, which is designed to promote collaboration among basic scientists, preclinical investigators, and clinicians. As a recipient of a Clinical and Translational Science Award (CTSA) from the NIH, UMass Medical School (UMMS) seeks to build an environment in which basic researchers perform our unique understanding of human disease, accelerating the development of novel diagnostics and therapies. To further foster collaboration, RTI investigators will hold joint appointments with other departments on campus.

Applicants should submit a cover letter, curriculum vitae, a two-page statement of research interests and contact information for three references to website: https://academicjobsonline.org/ajo/jobs/2025. Applications will be reviewed on a rolling basis, with interviews of successful candidates expected to commence in November. The position is open until filled. Inquiries, but not application materials, may be directed to Tiffany Covello at e-mail: tiffany.covello@osumc.edu. The Ohio State University is an Equal Opportunity Employer and encourages applications from individuals with varied experiences, perspectives, and backgrounds.

TENURE-TRACK POSITIONS in RNA Therapeutics Institute

The new RNA Therapeutics Institute (RTI), co-directed by Craig C. Mello, Victor Ambros, Melissa J. Moore, and Phillip D. Zamore, invites applications for tenure-track faculty positions to begin September 2013. The RTI will be housed in a new state-of-the-art research building opening in January 2013. The Institute is part of a campus-wide initiative in RNA therapeutics, stem cell biology and gene therapy, which is designed to promote collaboration among basic scientists, preclinical investigators, and clinicians. As a recipient of a Clinical and Translational Science Award (CTSA) from the NIH, UMass Medical School (UMMS) seeks to build an environment in which basic researchers perform our unique understanding of human disease, accelerating the development of novel diagnostics and therapies. To further foster collaboration, RTI investigators will hold joint appointments with other departments on campus.

Applicants should submit a cover letter, curriculum vitae, a two-page statement of research interests and contact information for three references to website: https://academicjobsonline.org/ajo/jobs/2025. Applications will be reviewed on a rolling basis, with interviews of successful candidates expected to commence in November. The position is open until filled. Inquiries, but not application materials, may be directed to Tiffany Covello at e-mail: tiffany.covello@osumc.edu. The Ohio State University is an Equal Opportunity Employer and encourages applications from individuals with varied experiences, perspectives, and backgrounds.

As an Equal Opportunity/Affirmative Action Employer, UMMS recognizes the power of a diverse community and encourages applications from individuals with varied experiences, perspectives, and backgrounds.
Cleveland Clinic Foundation
Faculty Research Institute
Faculty Positions
Department of Cellular & Molecular Medicine

We are seeking established investigators who use multidisciplinary approaches to understand causes of and treatments for human diseases. Individuals will receive appointments as Associate or Full Staff (Full Professor equivalent) in the Department of Cellular & Molecular Medicine. Applicants with PhD, MD, or dual degrees will be considered. Exceptionally qualified junior faculty may be considered for appointment at the Assistant Staff level. Applicants must have a track record of high quality funded research and productivity.

Recruits will join a highly collaborative environment with outstanding opportunities for collaborations with basic and translational researchers and clinicians from multiple specialties. Outstanding facilities, generous start-up funds, and ongoing operational support are available. The Molecular Medicine Graduate Training Program, School of Medicine, and other training programs provide access to excellent PhD students.

Please submit a CV and a 2-page summary of research interests by December 15, 2012 to Ms. Raquel Assal at assalr@ccf.org; http://www.lerner.ccf.org/jobs/faculty/view.php?id=528.

The Cleveland Clinic Foundation is an Equal Opportunity/Affirmative Action Employer in a smoke/drink free environment.

ASU
School of Life Sciences
Arizona State University
Faculty Position in Biomarker Research at Arizona State University –Tempe, AZ

The School of Life Sciences (SOLS) at Arizona State University (ASU) invites applications for a tenure-track position at the rank of Assistant Professor in the area of biomarker research. We seek imaginative, creative individuals with strong interest in discovery of biomarkers and their mechanistic validation. The successful candidate will be expected to develop an innovative, extramurally-funded, independent research program, fulfill teaching requirements at both the undergraduate and graduate levels and have a commitment to outreach and service at levels within and outside the University community. The successful candidate will be expected to mentor undergraduate and graduate students, postdoctoral trainees, and interact with the multidisciplinary consortium of faculty of SOLS as they interface with other groups on campus such as the Biodesign Institute, Department of Chemistry/Biochemistry, the Schools of Engineering, the Metabolic/Vascular Biology Center at Mayo-Scottsdale, and the NIH-funded Center of Excellence for Membrane Proteins of Infectious Diseases. While we encourage applications of top candidates with a demonstrated record of significant publications within the realm of biomarker research, strong preference will be given to applicants who have particular interests in molecular mechanisms of disease (e.g. infectious, neurodegenerative, metabolic or neoplastic diseases) that complement expertise of existing faculty and who will expand our overall research and instructional capabilities. A competitive start-up package and a teaching load compatible with high research productivity will be provided.

Candidates must have a doctoral degree in biology, biochemistry, engineering, or a related field at the time of appointment and two or more years of relevant postdoctoral experience with demonstrated research and teaching/mentoring excellence.

To apply, send a cover letter, your curriculum vitae, three representative publications, separate statements of future research plans and teaching philosophy and interests, and contact information for three references to be sent to Tsafir Mor, Chair, Biomarker Faculty Search Committee, School of Life Sciences, PO Box 874501, Tempe, AZ 85287-4501. Electronic applications sent as pdf files to solsfacultysearch5@asu.edu are preferred. The initial closing date for receipt of applications is November 18, 2012; applications will be reviewed weekly thereafter until the search is closed. A background check is required for employment.

For additional information on this position and the School of Life Sciences, please visit http://sols.asu.edu.

Arizona State University is an Affirmative Action, Equal Opportunity Employer committed to excellence through diversity. We especially encourage women and minorities to apply.

GROUP LEADER, COMPUTATIONAL BIOLOGY
To apply, visit http://jobs.ornl.gov/

Purpose: The Biosciences Division at the Oak Ridge National Laboratory (ORNL) in Oak Ridge, Tennessee is seeking applicants for the Computational Biology Group Leader position. The group leader will provide direction of the BioEnergy Science Center’s (BESC) computational biology initiatives, as well as direct ORNL’s involvement in the Plant-Microbe Interfaces Project (PMI). The group leader will report to the Biosciences Division Director.

Major Duties/Responsibilities:

- Promote and facilitate the execution and dissemination of high-quality research in a manner that encourages creativity and capability while demonstrating a strong commitment to scientific integrity.
- Collaborate with research staff across the Laboratory on advancing the scientific mission of the Laboratory.
- Select and retain highly qualified staff, develop capabilities of staff, and ensure that staff members are competent, trained, and qualified for assigned work.
- Provide effective and meaningful performance feedback to individual staff members while ensuring that staff are effectively utilized, rewarded, and motivated.
- Support the professional development of staff consistent with Laboratory and individual development plans.
- Develop, support, and lead successful bioinformatics and computational biology programs that both leverage and further the mission of the organization. Lead the bioinformatics efforts for key DOE projects (e.g., BESC and PMI) interact with relevant DOE program offices, other Federal agencies, universities, and industry. Represent and promote Bioinformatics and Computational Biology Group research activities to sponsors and visitors as appropriate. Develop and maintain research programs and substantial programmatic funding.

Qualifications Required: A Ph.D. degree and 10 or more years of related professional experience in one or more of the following fields: computational biology, bioinformatics, genomics and proteomics, bioinformatic genomics, or other relevant scientific areas plus relevant management and leadership experience. Dynamic leadership skills are required with the ability to plan, organize, and manage activities of a diverse organization within a major R&D division. Excellent oral and written communication skills are required to support regular interactions with sponsors, peer reviewers, and others; and to prepare reports, proposals, publications and journal articles. Strong interpersonal and communication skills are required to support team building, partnering, and leadership.

ORNL is an Equal Opportunity Employer.
FACULTY POSITION in Theoretical Biological Physics
Purdue University

The Department of Physics at Purdue University (website: http://www.physics.purdue.edu) seeks applications for a faculty position at the rank of ASSISTANT PROFESSOR in the area of theoretical biological physics. Applicants must have a Ph.D. in physics, biophysics, or a related field, an outstanding record of research accomplishments, and potential for excellence in teaching. The successful candidate must demonstrate potential to develop an externally funded research program. Applicants should electronically send one PDF application file containing a cover letter, curriculum vitae, contact information for three references, teaching and research statements, and list of publications. Review of applications will continue until the position is filled. Successful candidates will continue until the position is filled. Applications completed by December 1, 2012 will be given full consideration. For more information about the position, contact Dr. Lance S. Risley (e-mail: risleyl@wpunj.edu). Review begins immediately.

DEPARTMENT CHAIR
Pharmacological and Physiological Science

Saint Louis University, a Catholic Jesuit institution dedicated to education, research, service, and health care, has started a national search for the next William Beaumont Professor and Chair of the Department of Pharmacological and Physiological Science (website: http://medschool.slu.edu/pharmphys). The department encompasses multidisciplinary research in the cardiovascular, endocrine, and neuroscience areas and has an outstanding record in graduate education supported in part by NIH grants. The successful applicant will have a Ph.D. and/or M.D. degree, a strong record of academic achievement, a solid level of extramural research funding, and experience in both graduate student and medical student education. Interested candidates should submit a cover letter, curriculum vitae, and brief descriptions of their planned research programs and teaching philosophy. Electronic submission is preferred at e-mail: jobs.slu.edu (Req. ID# 20120602). Letters of nomination may be sent electronically to Enrico Di Cera, M.D., Chair of the Search Committee (e-mail: enrico@slu.edu).

Saint Louis University is an Affirmative Action/Equal Opportunity Employer, and encourages nominations and applications of women and minorities.

U.S. DEPARTMENT OF AGRICULTURE
Agricultural Research Service

Job Announcement opens October 9, 2012 thru November 2, 2012. Salary: $68,809.00 - $147,857.00/yr.

The USDA-ARS, is seeking a RESEARCH SCIENTIST (Basic or Clinical) to work at the Arkansas Children’s Nutrition Center in Little Rock, Arkansas. Interdisciplinary Research Position: Research Nutritionist; Research Molecular Biologist; Research Physiologist; Research Microbiologist. To review the full Vacancy Advertisement and application requirements please go to website: https://www.usajobs.gov/JobSearch/Search/GetResults?OrganizationID=AG03. Search (Top Right) for Control #837489400.