



COVER Expression of the *trk* proto-oncogene in neurons of the adult mouse trigeminal ganglion. This photomicrograph shows a toluidine blue-stained section of trigeminal ganglion that has been hybridized with an antisense *trk* complementary RNA probe. The grains that overlie the large, light blue neurons indicate *trk* expression. The smaller, dark blue, nonneuronal cells do not express *trk*. See page 554. [In situ hybridization and photomicroscopy by L. F. Parada]

- 548 The Higher Fullerenes: Isolation and Characterization of C_{76} , C_{84} , C_{90} , C_{94} , and $C_{70}O$, an Oxide of $D_{5h}-C_{70}$: F. DIEDERICH, R. EITL, Y. RUBIN, R. L. WHETTEN, R. BECK, M. ALVAREZ, S. ANZ, D. SENSARMA, F. WUDL, K. C. KHEMANI, A. KOCH
- 551 Deep UV Photochemistry of Chemisorbed Monolayers: Patterned Coplanar Molecular Assemblies: C. S. DULCEY, J. H. GEORGER, JR., V. KRAUTHAMER, D. A. STENGER, T. L. FARE, J. M. CALVERT
- 554 The *trk* Proto-Oncogene Product: A Signal Transducing Receptor for Nerve Growth Factor: D. R. KAPLAN, B. L. HEMPSTEAD, D. MARTIN-ZANCA, M. V. CHAO, L. F. PARADA
- 558 Induction by NGF of Meiotic Maturation of *Xenopus* Oocytes Expressing the *trk* Proto-Oncogene Product: A. R. NEBRED, D. MARTIN-ZANCA, D. R. KAPLAN, L. F. PARADA, E. SANTOS
- 561 Chimeric NGF-EGF Receptors Define Domains Responsible for Neuronal Differentiation: H. YAN, J. SCHLESSINGER, M. V. CHAO
- 563 Clusters of Coupled Neuroblasts in Embryonic Neocortex: J. J. LO TURCO AND A. R. KRIEGSTEIN
- 566 Direct Molecular Identification of the Mouse Pink-Eyed Unstable Mutation by Genome Scanning: M. H. BRILLIANT, Y. GONDO, E. M. EICHER
- 569 Determination of Primary Motoneuron Identity in Developing Zebrafish Embryos: J. S. EISEN
- 572 OPC-21268, An Orally Effective, Nonpeptide Vasopressin VI Receptor Antagonist: Y. YAMAMURA, H. OGAWA, T. CHIHARA, K. KONDO, T. ONOGAWA, S. NAKAMURA, T. MORI, M. TOMINAGA, Y. YABUCHI
- 574 Uncoupling of the Spectrin-Based Skeleton from the Lipid Bilayer in Sickled Red Cells: S.-C. LIU, L. H. DERICK, S. ZHAI, J. PALEK
- 576 Regulation of Ras-GAP and the Neurofibromatosis-1 Gene Product by Eicosanoids: J.-W. HAN, F. MCCORMICK, I. G. MACARA
- 579 Spatial Control of Gut-Specific Gene Expression During *Caenorhabditis elegans* Development: E. J. AAMODT, M. A. CHUNG, J. D. MCGHEE

Inside AAAS

- 586 AAAS Council Acts on Population Growth, RU 486, and More at 1991 Meeting
■ Be It Resolved . . .

Book Reviews

- 588 Australian Tropical Rainforests, reviewed by J. S. DENSLOW ■ Evolution of the First Nervous Systems, L. M. PASSANO ■ Intramolecular Motion and Chemical Reaction, J. M. BOWMAN ■ The Nature and Origin of Cordilleran Magmatism, P. C. BATEMAN

Products & Materials

- 592 DNA Thermal Cycler ■ Sequencing Apparatus ■ Post-Transfer Immunobinding System ■ Second-Generation PCR ■ Spectrophotometer ■ Closed Tank Lab Stirrer ■ Portable Printer ■ Literature

Board of Directors

Donald N. Langenberg
*Retiring President,
Chairman*

Leon M. Lederman
President

F. Sherwood Rowland
President-elect

Mary Elen Avery
Francisco J. Ayala
Eugene H. Cota-Robles
Robert A. Frosch
Joseph G. Gavin, Jr.
Florence P. Haseltine
Jeanne M. Shreeve
Warren M. Washington

William T. Golden
Treasurer

Richard S. Nicholson
Executive Officer

Editorial Board

Charles J. Amtzen
Elizabeth E. Bailey
David Baltimore
William F. Brinkman
E. Margaret Burbidge
Pierre-Gilles de Gennes
Joseph L. Goldstein
Mary L. Good
Harry B. Gray
John J. Hopfield
F. Clark Howell
Paul A. Marks
Yasutomi Nishizuka
Helen M. Ranney
Robert M. Solow
Edward C. Stone
James D. Watson

Board of Reviewing Editors

John Abelson
Frederick W. Alt
Don L. Anderson
Stephen J. Benkovic
Floyd E. Bloom
Henry R. Bourne
James J. Bull
Kathryn Calame
Charles R. Cantor
Raiph J. Ciccerone
John M. Coffin
Robert Dorfman
Bruce F. Eldridge
Paul T. Englund
Fredric S. Fay

Douglas T. Fearon
Harry A. Fozzard
Theodore H. Geballe
Roger I. M. Glass
Stephen P. Goff
Corey S. Goodman
Stephen J. Gould
Eric F. Johnson
Stephen M. Kosslyn
Konrad B. Krauskopf
Charles S. Levings III
Richard Losick
Anthony R. Means
Mortimer Mishkin
Roger A. Nicoll
William H. Orme-Johnson III
Yeshayau Pocker

Dennis A. Powers
Erkki Ruoslahti
Thomas W. Schoener
Ronald H. Schwartz
Terrence J. Sejnowski
Thomas A. Steltz
Robert T. N. Tjian
Emil R. Unanue
Geerat J. Vermeij
Bert Vogelstein
Harold Weintraub
Zena Werb
George M. Whitesides
Owen N. Witte
William B. Wood
Keith Yamamoto