

PROGRESS IN BRAIN RESEARCH

VOLUME 42

**HORMONES,
HOMEOSTASIS
AND THE BRAIN**

EDITED BY

W.H. GISPEN

Tj.B. van WIMERSMA GREIDANUS

B. BOHUS

AND

D. de WIED

ELSEVIER

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HORMONES, HOMEOSTASIS AND THE BRAIN

Proceedings of the Vth International Congress of the International
Society of Psychoneuroendocrinology

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Rudolf Magnus Institute for Pharmacology, Medical Faculty, University of Utrecht, Utrecht (The Netherlands)



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List of Contributors

- R. ADER, Department of Psychiatry, University of Rochester School of Medicine and Dentistry, Rochester, N.Y. 14642, U.S.A.
- E. ARNAULD, Laboratoire de Neurophysiologie, Université de Bordeaux II, 24 rue Paul Broca, 33000 Bordeaux, France
- P. M. ARNOLD, Max-Planck-Institute for Biophysical Chemistry, and Institute of Psychology, Göttingen, G.F.R.
- J. R. BASSETT, School of Biological Sciences, Macquarie University, North Ryde, N.S.W. 2113, Australia
- A. BAUDUIN, Institute of Medicine and Institute of Pediatrics, University of Liège, Liège, Belgium
- M. J. BAUM, Department of Endocrinology, Growth and Reproduction, Medical Faculty, Erasmus University, Rotterdam, The Netherlands
- D. BECKER, Max-Planck-Institute for Biophysical Chemistry, and Institute of Psychology, Göttingen, G.F.R.
- O. BENKERT, Psychiatrische Klinik der Universität München, Nussbaumstrasse 7, 8 Munich 2, G.F.R.
- B. BISWAS, Department of Biochemistry, University College of Science, Calcutta University, Calcutta-19, India
- B. BOHUS, Rudolf Magnus Institute for Pharmacology, University of Utrecht, Medical Faculty, Vondellaan 6, Utrecht, The Netherlands
- E. R. H. BOS, Department of Biological Psychiatry, Isotope Laboratory, Department of Internal Medicine, Division of Endocrinology, Medical Faculty, University of Groningen, Groningen, The Netherlands
- R. M. BOYAR, Departments of Neurology, Oncology and the Institute of Steroid Research, Montefiore Hospital and Medical Center and The Albert Einstein College of Medicine, Bronx, N.Y. 10467, U.S.A.
- F. BRAMBILLA, Ospedale Psichiatrico Paolo Pini, Milan and Ospedale Psichiatrico Antonini, Milan, Limbiate and Patologia Medica II, Università di Milano, Milan, Italy
- G. R. BREESE, Departments of Psychiatry and Pharmacology and The Biological Sciences Research Center, The Child Development Institute, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514, U.S.A.
- B. W. L. BROOKSBANK, Department of Psychology, The Queen's University, Belfast, N. Ireland
- W. VAN DEN BURG, Department of Biological Psychiatry, Isotope Laboratory, Department of Internal Medicine, Division of Endocrinology, Medical Faculty, University of Groningen, Groningen, The Netherlands
- M. S. BUSH, Nestlé Products Technical Assistance Co. Ltd., Vevey, Switzerland
- R. VAN BUSKIRK, Department of Psychobiology, School of Biological Sciences, University of California, Irvine, Calif. 92664, U.S.A.
- K. D. CAIRNCROSS, School of Biological Sciences, Macquarie University, North Ryde, N.S.W. 2113, Australia
- A. CAYER, Biology Department, New York University, Washington Square, New York, N.Y. 10003, U.S.A.
- M.-F. CHENG, Rutgers-The State University, Institute of Animal Behavior, Newark, N.J. 07102, U.S.A.
- E. CHIARAVIGLIO, Instituto de Investigación Médica M.y M. Ferreyra, Córdoba, Argentina
- G. CHOUVET, Département de Médecine Expérimentale, Université Claude Bernard, 8 Avenue Rockefeller, 69373 Lyon, France
- G. D. COOVER, Institutes of Physiology and Psychology, University of Bergen, Bergen, Norway
- J. J. COWLEY, Department of Psychology, The Queen's University, Belfast, N. Ireland
- O. D. CREUTZFELDT, Max-Planck-Institute for Biophysical Chemistry, and Institute of Psychology, Göttingen, G.F.R.
- M. DERYCK, Institutes of Physiology and Psychology, University of Bergen, Bergen, Norway
- H. DOORENBOS, Department of Biological Psychiatry, Isotope Laboratory, Department of Internal Medicine, Division of Endocrinology, Medical Faculty, University of Groningen, Groningen, The Netherlands
- C. A. DUDLEY, Department of Physiology, University of Texas Health Science Center at Dallas, Southwestern Medical School, Dallas, Texas 75235, U.S.A.
- R. E. J. DYBALL, ARC Institute of Animal Physiology, Babraham, Cambridge CB2 4AT, Great Britain

- R. G. DYER, ARC Institute of Animal Physiology, Babraham, Cambridge CB2 4AT, Great Britain
- J. E. DYKSTERHUIS, Department of Pediatrics, University of Nebraska Medical Center, Omaha, Nebr., U.S.A.
- R. ELBERTSE, Pharmacology Department, Scientific Development Group, Organon, Oss, The Netherlands
- E. ENDRÖCZI, Research Division, Postgraduate Medical School, Budapest, Hungary
- M. FEKETE, Institute of Physiology, University Medical School, Pécs, Hungary
- S. FELDMAN, Department of Neurology, Hadassah University Hospital, Jerusalem, Israel
- J. T. FITZSIMONS, The Physiological Laboratory, Cambridge, Great Britain
- A. W. K. GAILLARD, Institute for Perception TNO, Soesterberg, The Netherlands
- P. GARRUD, Department of Experimental Psychology, University of Oxford, South Parks Road, Oxford OX1 3PS, Great Britain
- M. GAYLOR, Division of Hypertension and Clinical Pharmacology, Department of Medicine, University of Pittsburgh School of Medicine, Pittsburgh, Pa. 15261, U.S.A.
- J. J. GHOSH, Department of Biochemistry, University College of Science, Calcutta University, Calcutta-19, India
- W. H. GISPEN, Division of Molecular Neurobiology, Rudolf Magnus Institute for Pharmacology, and Laboratory of Physiological Chemistry, Medical Faculty, Institute of Molecular Biology, University of Utrecht, Padualaan 8, Utrecht-De Uithof, The Netherlands
- E. GLASSMAN, Division of Chemical Neurobiology, Department of Biochemistry, School of Medicine, The University of North Carolina, Chapel Hill, N. C. 27514, U.S.A.
- P. E. GOLD, Department of Psychobiology, School of Biological Sciences, University of California, Irvine, Calif. 92664, U.S.A.
- P. R. GOVIN, Department of Psychiatry and Pharmacology, U.C.L.A. School of Medicine, Harbor General Hospital Campus, Torrance, Calif. 90509, U.S.A.
- A. N. GRANITSAS, Department of General Biology, Medical School, Aristotelian University, Thessaloniki, Greece
- M. D. GREEN, Department of Pharmacology, School of Medicine and the Brain Research Institute, University of California, Los Angeles, Calif. 90024, U.S.A.
- B. I. GROSSER, Departments of Psychiatry, Pharmacology and Anatomy, University of Utah College of Medicine, Salt Lake City, Utah, U.S.A.
- A. GUASTALLA, Ospedale Psichiatrico Paolo Pini, Milan and Ospedale Psichiatrico Antonini, Milan, Limbiate and Patologia Medica II, Università di Milano, Milan, Italy
- A. GUERRINI, Ospedale Psichiatrico Paolo Pini, Milan and Ospedale Psichiatrico Antonini, Milan, Limbiate and Patologia Medica II, Università di Milano, Milan, Italy
- G. HARTMANN, Institute of Physiology, University Medical School, Pécs, Hungary
- J. HAYCOCK, Department of Psychobiology, School of Biological Sciences, University of California, Irvine, Calif. 92664, U.S.A.
- I. HEGEDŰS, Central Research Division, Postgraduate Medical School, Budapest, Hungary
- L. HELLMAN, Departments of Neurology, Oncology and the Institute of Steroid Research, Montefiore Hospital and Medical Center and The Albert Einstein College of Medicine, Bronx, N.Y. 10467, U.S.A.
- S. A. HITOGLOU, Department of General Biology, Medical School, Aristotelian University, Thessaloniki, Greece
- Á. HRASCHEK, Central Research Division, Postgraduate Medical School, Budapest, Hungary
- J. B. HUTCHISON, MRC Unit on the Development and Integration of Behaviour, University of Cambridge, Madingley, Cambridge, Great Britain
- R. E. HUTCHISON, MRC Unit on the Development and Integration of Behaviour, University Sub-Department of Animal Behaviour Madingley, Cambridge, Great Britain
- M. HYYPÄ, Departments of Endocrinology and Pharmacology, University of Milan, Milan, Italy
- W. DE JONG, Rudolf Magnus Institute for Pharmacology, University of Utrecht, Medical Faculty, Vondellaan 6, Utrecht, The Netherlands
- M. JOUVET, Département de Médecine Expérimentale, Université Claude Bernard, 8 Avenue Rockefeller, 69373 Lyon, France
- S. JUSTO, Departments of Endocrinology and Pharmacology, University of Milan, Milan, Italy
- S. KAPEN, Departments of Neurology, Oncology and the Institute of Steroid Research, Montefiore Hospital and Medical Center and The Albert Einstein College of Medicine, Bronx, N.Y. 10467, U.S.A.

- A. J. KASTIN, Veterans Administration Hospital and Tulane University School of Medicine, and University of New Orleans, New Orleans, La., Ohio State University, Columbus, Ohio and Temple University, Philadelphia, Pa., U.S.A.
- M. KAWAKAMI, Department of Physiology, Yokohama City University School of Medicine, Yokohama, Japan
- C. KØHLER, Institutes of Physiology and Psychology, University of Bergen, Bergen, Norway
- G. L. KOVÁCS, Department of Physiology, University Medical School, Pécs, Hungary
- Zs. KOVÁCS, Central Research Division, Postgraduate Medical School, Budapest, Hungary
- D. T. KRIEGER, Division of Endocrinology, Department of Medicine, Mount Sinai School of Medicine, City University of New York, New York City, N.Y., U.S.A.
- I. T. KURTSIN, I.P. Pavlov Institute of Physiology, Academy of Sciences U.S.S.R., Leningrad, U.S.S.R.
- A. LAJTHA, New York State Research Institute for Neurochemistry and Drug Addiction, Ward's Island, New York, N.Y. 10035, U.S.A.
- S. LANGENSTEIN, Max-Planck-Institute for Biophysical Chemistry, and Institute of Psychology, Göttingen, G.F.R.
- L. LAZARUS, Garvan Institute of Medical Research, St. Vincent's Hospital, Sydney 2010, Australia
- P. D. LEATHWOOD, Nestlé Products Technical Assistance Co. Ltd., Vevey, Switzerland
- J. J. LEGROS, Institute of Medicine and Institute of Pediatrics, University of Liège, Liège, Belgium
- S. LEVINE, Department of Psychiatry, Stanford University, Stanford, Calif. 94305, U.S.A.
- M. A. LIPTON, Departments of Psychiatry and Pharmacology and The Biological Sciences Research Center, The Child Development Institute, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514, U.S.A.
- K. LISSÁK, Institute of Physiology, University Medical School, Pécs, Hungary
- P. LOMAX, Department of Pharmacology, School of Medicine and the Brain Research Institute, University of California, Los Angeles, Calif. 90024, U.S.A.
- J. T. MARTIN, Department of Animal Science, University of Minnesota, St. Paul, Minn. 55101, U.S.A.
- L. MARTINI, Departments of Endocrinology and Pharmacology, University of Milan, Milan, Italy
- I. MARTON, Central Research Division, Postgraduate Medical School, Budapest, Hungary
- S. M. MCCANN, Department of Physiology, University of Texas Health Science Center at Dallas, Southwestern Medical School, Dallas, Texas 75235, U.S.A.
- R. H. McDONALD, JR., Division of Hypertension and Clinical Pharmacology, Department of Medicine, University of Pittsburgh School of Medicine, Pittsburgh, Pa. 15261, U.S.A.
- J. L. MCGAUGH, Department of Psychobiology, School of Biological Sciences, University of California, Irvine, Calif. 92664, U.S.A.
- L. H. MILLER, Veterans Administration Hospital and Tulane University School of Medicine, and University of New Orleans, New Orleans, La., Ohio State University, Columbus, Ohio and Temple University, Philadelphia, Pa. U.S.A.
- R. L. MOSS, Department of Physiology, University of Texas Health Science Center at Dallas, Southwestern Medical School, Dallas, Texas 75235, U.S.A.
- M. MOTTA, Departments of Endocrinology and Pharmacology, University of Milan, Milan, Italy
- A. H. MULDER, Department of Pharmacology, Medical Faculty, Free University, Amsterdam, The Netherlands
- D. NAG, Department of Biochemistry, University College of Science, Calcutta University, Calcutta-19, India
- A. NEIDLE, New York State Research Institute for Neurochemistry and Drug Addiction, Ward's Island, New York, N.Y. 10035, U.S.A.
- B. C. NISULA, Reproduction Research Branch, National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, Md. 20014, U.S.A.
- Cs. NYAKAS, Central Research Division, Postgraduate Medical School, Budapest, Hungary
- R. PERUMAL, Department of Biochemistry, University of Malaya, Kuala-Lumpur, Malaysia
- Y. PFEIFER, Bioclimatology Unit, Department of Applied Pharmacology, School of Pharmacy, Hebrew University, Jerusalem, Israel
- D. A. PIERS, Department of Biological Psychiatry, Isotope Laboratory, Department of Internal Medicine, Division of Endocrinology, Medical Faculty, University of Groningen, Groningen, The Netherlands
- N. P. PLOTNIKOFF, Experimental Therapy Division, Abbott Laboratories, North Chicago, Ill., U.S.A.
- M. K. PODDAR, Department of Biochemistry, University College of Science, Calcutta University, Calcutta-19, India

- R. E. POLAND, Department of Psychiatry and Pharmacology, U.C.L.A. School of Medicine, Harbor General Hospital Campus, Torrance, Calif. 90509, U.S.A.
- S. PÖPPL, Max-Planck-Institute for Biophysical Chemistry, and Institute of Psychology, Göttingen, G.F.R.
- H. M. VAN PRAAG, Department of Biological Psychiatry, Isotope Laboratory, Department of Internal Medicine, Division of Endocrinology, Medical Faculty, University of Groningen, Groningen, The Netherlands
- A. J. PRANGE, JR., Departments of Psychiatry and Pharmacology and The Biological Sciences Research Center, The Child Development Institute, University of North Carolina School of Medicine, Chapel Hill, N.C. 27514, U.S.A.
- F. RAVESSOUD, Department of Psychiatry and Pharmacology, U.C.L.A. School of Medicine, Harbor General Hospital Campus, Torrance, Calif. 90509, U.S.A.
- D. P. REDMOND, Division of Hypertension and Clinical Pharmacology, Department of Medicine, University of Pittsburgh School of Medicine, Pittsburgh, Pa. 15261, U.S.A.
- D. J. REED, Departments of Psychiatry, Pharmacology and Anatomy, University of Utah College of Medicine, Salt Lake City, Utah, U.S.A.
- M. E. A. REITH, Division of Molecular Neurobiology, Rudolf Magnus Institute for Pharmacology, and Laboratory of Physiological Chemistry, Medical Faculty, Institute of Molecular Biology, University of Utrecht, Padualaan 8, Utrecht-De Uithof, The Netherlands
- H. VAN RIEZEN, Pharmacology Department, Scientific Development Group, Organon, Oss, The Netherlands
- F. RIGGI, Ospedale Psichiatrico Paolo Pini, Milan and Ospedale Psichiatrico Antonini, Milan, Limbiate and Patologia Medica II, Università di Milano, Milan, Italy
- H. RIGTER, Pharmacology Department, Scientific Development Group, Organon, Oss, The Netherlands
- C. ROVERE, Ospedale Psichiatrico Paolo Pini, Milan and Ospedale Psichiatrico Antonini, Milan, Limbiate and Patologia Medica II, Università di Milano, Milan, Italy
- R. T. RUBIN, Department of Psychiatry, U.C.L.A. School of Medicine, Harbor General Hospital Campus, Torrance, Calif. 90509, U.S.A.
- E. J. SACHAR, Department of Psychiatry, Albert Einstein College of Medicine, 1300 Morris Park Avenue, Bronx, N.Y. 10461, U.S.A.
- T. SAGVOLDEN, Institutes of Physiology and Psychology, University of Bergen, Bergen, Norway
- Y. SAKUMA, Department of Physiology, Yokohama City University School of Medicine, Yokohama, Japan
- A. F. SANDERS, Institute for Perception TNO, Soesterberg, The Netherlands
- C. A. SANDMAN, Veterans Administration Hospital and Tulane University School of Medicine, and University of New Orleans, New Orleans, La., Ohio State University, Columbus, Ohio and Temple University, Philadelphia, Pa., U.S.A.
- V. R. SARA, Garvan Institute of Medical Research, St. Vincent's Hospital, Sydney 2010, Australia
- A. V. SCHALLY, Veterans Administration Hospital and Tulane University School of Medicine, and University of New Orleans, New Orleans, La., Ohio State University, Columbus, Ohio and Temple University, Philadelphia, Pa., U.S.A.
- A. E. SCHINDLER, Universitäts-Frauenklinik, 74 Tübingen, G.F.R.
- P. SCHOTMAN, Division of Molecular Neurobiology, Rudolf Magnus Institute for Pharmacology, and Laboratory of Physiological Chemistry, Medical Faculty, Institute of Molecular Biology, University of Utrecht, Padualaan 8, Utrecht-De Uithof, The Netherlands
- P. SCHRETLER, Department of Endocrinology, Growth and Reproduction, Medical Faculty, Erasmus University, Rotterdam, The Netherlands
- A. P. SHAPIRO, Division of Hypertension and Clinical Pharmacology, Department of Medicine, University of Pittsburgh School of Medicine, Pittsburgh, Pa. 15261, U.S.A.
- P. G. SMELIK, Department of Pharmacology, Medical Faculty, Free University, Amsterdam, The Netherlands
- M. L. SOULAIRAC, Department of Psychophysiology, Faculty of Sciences, University of Paris VI, Paris, France
- W. STEVENS, Departments of Psychiatry, Pharmacology and Anatomy, University of Utah College of Medicine, Salt Lake City, Utah, U.S.A.
- J. M. STOLK, Departments of Psychiatry and Pharmacology, Dartmouth Medical School, Hanover, N.H. 03755, U.S.A.

- F. L. STRAND, Biology Department, New York University, Washington Square, New York, N. Y. 10003, U.S.A.
- L. O. STRATTON, Veterans Administration Hospital and Tulane University School of Medicine, and University of New Orleans, New Orleans, La., Ohio State University, Columbus, Ohio and Temple University, Philadelphia, Pa., U.S.A.
- F. G. SULMAN, Bioclimatology Unit, Department of Applied Pharmacology, School of Pharmacy, Hebrew University, Jerusalem, Israel
- E. SUPERSTINE, Bioclimatology Unit, Department of Applied Pharmacology, School of Pharmacy, Hebrew University, Jerusalem, Israel
- G. SZABÓ, Central Research Division, Postgraduate Medical School, Budapest, Hungary
- F. TALLIÁN, Central Research Division, Postgraduate Medical School, Budapest, Hungary
- P. TEITELBAUM, Psychology Department, University of Illinois, Champaign, Ill. 61820, U.S.A.
- G. TELEGDY, Department of Physiology, University Medical School, Pécs, Hungary
- W. TIRSCH, Max-Planck-Institute for Biophysical Chemistry, and Institute of Psychology, Göttingen, G.F.R.
- C. M. TIWARY, Department of Pediatrics, University of Nebraska Medical Center, Omaha, Nebr., U.S.A.
- E. TOMORUG, Hospital "Gh. Marinescu", Bucharest, Rumania
- B. B. TOWER, Department of Psychiatry and Pharmacology, U.C.L.A. School of Medicine, Harbor General Hospital Campus, Torrance, Calif. 90509, U.S.A.
- H. URSIN, Institutes of Physiology and Psychology, University of Bergen, Bergen, Norway
- J.-L. VALATX, Département de Médecine Expérimentale, Université Claude Bernard, 8 Avenue Rockefeller, 69373 Lyon, France
- M. VERFAILLE, Institute of Medicine and Institute of Pediatrics, University of Liège, Liège, Belgium
- I. VERMES, Department of Physiology, University Medical School, Pécs, Hungary
- J. D. VINCENT, Laboratoire de Neurophysiologie, Université de Bordeaux II, 24 rue Paul Broca, 33000 Bordeaux, France
- E. D. WEITZMAN, Department of Neurology, Montefiore Hospital and Medical Center, and The Albert Einstein College of Medicine, Bronx, N.Y. 10467, U.S.A.
- D. DE WIED, Rudolf Magnus Institute for Pharmacology, University of Utrecht, Medical Faculty, Vondellaan 6, Utrecht, The Netherlands
- I. C. WILSON, Division of Research, The North Carolina Department of Mental Health, Raleigh, N.C. 27611, U.S.A.
- J. E. WILSON, Division of Chemical Neurobiology, Department of Biochemistry, School of Medicine, The University of North Carolina, Chapel Hill, N.C. 27514, U.S.A.
- Tj. B. VAN WIMERSMA GREIDANUS, Rudolf Magnus Institute for Pharmacology, University of Utrecht, Medical Faculty, Vondellaan 6, Utrecht, The Netherlands
- D. L. WOLGIN, Psychology Department, University of Illinois, Champaign, Ill. 61820, U.S.A.
- W. WUTTKE, Max-Planck-Institute for Biophysical Chemistry, and Institute of Psychology, Göttingen, G.F.R.
- P. ZANDBERG, Rudolf Magnus Institute for Pharmacology, University of Utrecht, Medical Faculty, Vondellaan 6, Utrecht, The Netherlands
- A. ZANOBONI, Ospedale Psichiatrico Paolo Pini, Milan and Ospedale Psichiatrico Antonini, Milan, Limbiate and Patologia Medica II, Università di Milano, Milan, Italy
- W. ZANOBONI-MUCIACCIA, Ospedale Psichiatrico Paolo Pini, Milan and Ospedale Psichiatrico Antonini, Milan, Limbiate and Patologia Medica II, Università di Milano, Milan, Italy
- A. K. VAN ZANTEN, Department of Biological Psychiatry, Isotope Laboratory, Department of Internal Medicine, Division of Endocrinology, Medical Faculty, University of Groningen, Groningen, The Netherlands

Preface

Hormones, Homeostasis and the Brain was the topic of the Vth International Meeting of the International Society of Psychoneuroendocrinology held at Utrecht from 24 to 27 July 1974. The meeting brought clinical investigators and laboratory researchers together to discuss the implication of hormones in brain function.

The therapeutic potential of new psychoactive drugs is still difficult to predict from animal experiments. However, the mode of action of hormones on their target tissues is much better known than that of drugs in general and on the basis of this knowledge, sophisticated animal models to study the influence of hormones in the brain are gradually becoming available. Behavioral, electrophysiological and biochemical parameters are used and much can be learned in this way from laboratory and clinical studies on the central action of hormones.

Thanks are due to the University of Utrecht for their cooperation, the Dr. Saal van Zwanenberg Foundation and the International Society of Psychoneuroendocrinology for financial assistance and the Organon Company for additional support.

The staff of the Rudolf Magnus Institute was responsible for the excellent organization of the meeting. In particular I wish to thank Miss Tine Baas, Miss Sylvia van Bijleveld, Dr. M. E. A. Reith and Mr. J. C. van den Berg for their secretarial and administrative contributions.

D. DE WIED
Utrecht (The Netherlands)

SESSION I

RELEASING HORMONES ON THE CENTRAL NERVOUS SYSTEM

Chairmen: L. MARTINI (Milan)

A. J. PRANGE (Chapel Hill, N.C.)

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