

BENJAMIN WEISS
(Curriculum Vitae)

Date and Place of Birth: January 26, 1937 Bronx, New York

E-mail: ben@benweiss.org

Web Site: <http://www.historicalartmedals.com/>

EDUCATION

1958 B.S.	Philadelphia College of Pharmacy and Science, Philadelphia, PA (With Distinction)
1960 M.S. (Pharmacology)	Philadelphia College of Pharmacy and Science, Philadelphia, PA
1963 Ph.D. (Pharmacology)	Philadelphia College of Pharmacy and Science, Philadelphia, PA (Dr. G. Victor Rossi, Thesis Advisor)
1963-1965 (Postdoctoral Fellowship)	National Heart Institute, National Institutes of Health, Bethesda, MD (with Dr. B. B. Brodie)

PROFESSIONAL APPOINTMENTS

1965-1966	Staff Fellow, Laboratory of Chemical Pharmacology, National Heart Institute, National Institutes of Health, Bethesda, MD
1966-1968	Research Associate, Department of Pharmacology, College of Physicians and Surgeons, Columbia University, New York, NY (with Dr. E. Costa)
1968-1971	Pharmacologist, Laboratory of Preclinical Pharmacology, National Institute of Mental Health, St. Elizabeths Hospital, Washington, DC
1971-1972	Chief, Section on Neuroendocrinology, National Institute of Mental Health, Washington, DC

- 1972-2000 Professor of Pharmacology, Medical College of Pennsylvania, Philadelphia, PA
- 1981-1982 Visiting Scientist, Istituto di Ricerche Farmacologiche "Mario Negri," Milan, Italy
- 1981-1998 Chief, Division of Neuropsychopharmacology, Medical College of Pennsylvania, Philadelphia, PA
- 1982 Visiting Scientist, Weitzman Institute of Science, Rehovot, Israel
- 1983-2000 Professor of Psychiatry, Medical College of Pennsylvania, Philadelphia, PA
- 2000-Present Emeritus Professor of Pharmacology and Physiology, Drexel University College of Medicine, Philadelphia, PA.

HONORS AND AWARDS

- 1958 Gold Medal for Attaining Highest Scholastic Average of College Graduates
- 1958 Joseph W. E. Harrison Award for Excellence in Pharmacology
- 1958 Frederick William Haussman Memorial Prize
- 1958 Dobbins Scholarship
- 1959 Rexall Award
- 1959 Borden Award
- 1959 Rho Chi Honorary Pharmaceutical Society
- 1980 Christian R. and Mary F. Lindback Award for Distinguished Teaching
- 1981 Named as one of the Top One Thousand Most Quoted Scientists in the World.
- 1982 Research Medal awarded by the University of Milan, Milan, Italy
- 1986 MERIT Award - National Institute of Mental Health
- 1995 Outstanding Scientist Award from China Bureau of Foreign Experts Affairs, Suzhou Medical College, Suzhou, China
- 2000 Emeritus Professorship- Drexel University College of Medicine
- 2016 Ben & Sylvia Odesser Memorial Award, for Outstanding Contribution, Judaic Numismatics & Exonomia awarded jointly by the Token and Medal Society and the American Israel Numismatic Association, Inc.
- 2016 NGL Award, Small Club Publications for Best Article "Anti-Semitic Bigotry as Chronicled by Historical Medals", The Shekel, awarded by the Numismatic Literary Guild

OTHER HONORS:

Listed by the Institute for Scientific Information among the 1000 scientists most cited from 1965 to 1978. Reference: Garfield, E. The 1,000 contemporary scientists most-cited 1965-1978. The list and introduction. Current Contents (41):pp. 5-14, 12 October 1981.

One of Dr. Weiss' published articles was cited as a Citation Classic, being among the 100 (number 31 on the list) most cited research article from 1961-1982, out "Of the millions of papers cited during this period"...

Ref: Garfield, E. The Articles most cited in 1961-1982. 3. Another All-Time Citation Classics. Current Contents, No. 35, pp. 3-9, 1984.

Overall, his scientific papers have been cited on a list compiled by Google Scholars as having more than ten thousand citations.

Benjamin Weiss Scholarship in Pharmacology and Physiology, Drexel University College of Medicine, 2006, established in his honor.

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

American Society for Neurochemistry
American Society for Pharmacology and Experimental Therapeutics (Emeritus)
American College of Neuropsychopharmacology (Emeritus)
International Brain Research Organization
American Association of University Professors
Society for Neuroscience
British Brain Research Association
European Brain and Behavior Society
International Society for Neurochemistry
Gerontological Society of America

EDITORIAL AND CONSULTANT POSITIONS

Books Published:

Editor: Cyclic Nucleotides in Disease, University Park Press, Baltimore, MD. 1975

Editor: Antisense Oligodeoxynucleotides and Antisense RNA: Novel Pharmacological and Therapeutic Agents, CRC Press, Boca Raton, FL. 1997

Editorial Advisory Board:

Past: Journal of Pharmacology & Experimental Therapeutics
Neuropharmacology
Journal of Cyclic Nucleotide Research
Life Sciences
Archives Internationales de Pharmacodynamie et de Therapie
Neurochemistry International

Consultant: National Institute of Mental Health
 National Institute of Aging
 National Science Foundation
 Manitoba Health Research Council
 Franklin Research Center
 Veterans Administration Hospital, Neuropsychopharmacology Unit ICI, Americas
 Hoffman-LaRoche, Inc.
 Wyeth Laboratories
 Smith, Kline and French Laboratories
 Information Ventures, Inc. for Molecular Biology: Cyclic Nucleotides
 The Upjohn Company
 The Cancer Institute of New Jersey

ACADEMIC COMMITTEES

1972-1978 Pharmacology Graduate Committee, Chairman
 1973-1978 Committee on Appointments and Promotions, Member
 1978-1979 Committee on Appointments and Promotions, Chairman
 1972-1984 Fellowships and Awards Committee, Member
 1972-1978 Graduate Education Committee, Member
 1972-1984 Student Evaluation Committee, Member
 1977 President's Award Committee, Chairman
 1977 Institutional Self-Study for Accreditation Subcommittee on Faculty, Member
 1977 Committee on Graduate Courses, Chairman
 1977-1978 Committee to Devise a Faculty Handbook, Member
 1980 Microbiology Chairman Search Committee, Member
 1981-1986 Executive Committee of the Faculty, Member
 1982 Committee on Faculty Communications, Member
 1983 Finances/Physical Plant Subcommittee, Member
 1983 Ad Hoc Committee to Evaluate Criteria for Tenure, Member
 1983-1986 EPPI Subcommittee on Mental Health and Neurosciences of the Executive Faculty of MCP, Member
 1983-1989 Multidisciplinary Research Committee, Member
 1983-1988 Analytical Laboratory Supervisory Committee, Member
 1985-1990 Radiation Safety Committee, Member
 1985-1989 Tenure Committee, Member
 1989-1992 Molecular Biology Core Laboratory Committee, Member
 1989 Tenure Committee, Chairman
 1989 Committee to Review the Department of Anesthesia, Chairman
 1990-1995 Grievance Committee, Member
 1990-1994 Committee on Appointments and Promotions, Member
 1990 Executive Committee of the Faculty, Member
 1991-1994 Hearing Committee for Tenured Faculty, Member
 1991-1993 Faculty Development Committee of Board of Directors, Member
 1993-1995 Faculty Grievance Committee, Chairman

- 1994-1995 Graduate School Faculty Affairs Committee, Member
- 1994-1995 Graduate School By Laws Committee, Member
- 1994-1995 Molecular and Cell Biology Steering Committee, Member
- 1995-1999 M.D., Ph.D. Committee, Member
- 1997-1999 Allegheny University of the Health Sciences Institute for the Neuroscience Advisory Committee, Member

ADMINISTRATION OF TEACHING PROGRAMS

- 1972-1978 Pharmacology Graduate Program, Director
- 1975-1984 Advanced Topics in Pharmacology - Course Coordinator
- 1981-1984 Psychopharmacology Update - Co-Director
- 1983-1986 Basic and Clinical Aspects of the Neurosciences - Course Director
- 1985-1993 Neuropsychopharmacology Journal Club and Research - Course Director
- 1993-1998 Current Topics in the Molecular Basis of Behavior- Course Director

INITIATED AND ORGANIZED NEW COURSES AND PROGRAMS

- 1972 Pharmacology Graduate Program
- 1975 Advanced Topics in Pharmacology
- 1975 Cyclic Nucleotide Journal Club
- 1975 Pharmacology Seminar Program
- 1976 Joint Basic Sciences Seminar Program
- 1976 Biomedical Instrumentation and Techniques
- 1983 Basic and Clinical Aspects of the Neurosciences
- 1985 Neuropsychopharmacology Research Club
- 1993 Current Topics in the Molecular Basis of Behavior

PARTICIPATION IN TEACHING AND TRAINING PROGRAMS

- Pharmacology and Experimental Therapeutics - Medical College of Pennsylvania
- Biomedical Instrumentation and Techniques - Medical College of Pennsylvania
- Advanced Topics in Pharmacology - Medical College of Pennsylvania
- Cyclic Nucleotide Journal Club - Medical College of Pennsylvania
- Pharmacology Seminar Program - Medical College of Pennsylvania
- Basic Sciences Seminar Program - Medical College of Pennsylvania
- Molecular Aspects of Cell Structure and Function - Joint Program; Medical College of Pennsylvania and Bryn Mawr College
- Neuropharmacology - Joint Program; Medical College of Pennsylvania and Philadelphia College of Pharmacy and Science
- Neuropsychopharmacology Colloquium - Joint Program; Medical College of Pennsylvania and University of Pennsylvania
- Basic Science Course for Neurology Residents - Medical College of Pennsylvania

Principles in Neurobiology - Mario Negri Research Institute, Milan, Italy
Psychopharmacology Update - Medical College of Pennsylvania
Training Program in Neuropsychopharmacology - Member of Executive Board, University of Pennsylvania
Neuropsychopharmacology-Neurosurgical Research Training Program - Medical College of Pennsylvania - Director
Anesthesia-Neuropsychopharmacology Research Training Program - Medical College of Pennsylvania - Director
Initiated and effected a formal affiliation between the Medical College of Pennsylvania and the University of Milan
Sandoz-Dorsey Teaching Program - Medical College of Pennsylvania

EXTRAMURAL RESEARCH SUPPORT

Source of Support: National Institute of Health
Title: Research Fellowship
Sponsor: Benjamin Weiss, Ph.D.
Period of Support: 6/19/75 - 6/18/76
Direct Costs: \$13,000

Source of Support: Scottish Rite Schizophrenia Research Program
Title: The Role of Cyclic Nucleotides in Schizophrenia
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 4/1/74 - 3/31/76
Direct Costs: \$35,722

Source of Support: National Institute of Health
Title: Research Fellowship (HL-01839)
Sponsor: Benjamin Weiss, Ph.D.
Period of Support: 9/1/74 - 8/31/76
Direct Costs: \$26,400

Source of Support: National Cancer Institute
Title: Agents Inhibiting Phosphodiesterase of Cancer Cells (CA 15883)
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 5/1/74 - 7/31/77
Direct Costs: \$143,538

Source of Support: National Institute of Aging
Title: Effect of Age on the Ability of Organs to Develop a Denervation
Supersensitivity of the Membrane Bound Cyclic 3',5'-AMP System
(AG00003)
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 6/1/76 - 5/31/80
Direct Costs: \$89,157

EXTRAMURAL RESEARCH SUPPORT (continued)

Source of Support: National Institute of Neurological and Communicative Disorders and Stroke
Title: Influence of Neuronal Activity on the Development of Postjunctional Receptors (NS13768)
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 7/1/77 - 6/31/80
Direct Costs: \$116,544.

Source of Support: National Institute of Mental Health
Title: Psychotropic Drugs and Cyclic Nucleotide Metabolism (MH30096)
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 8/1/77 - 7/31/80
Direct Costs: \$117,548

Source of Support: National Institute of Neurological and Communicative Disorders and Stroke
Title: Development and Regeneration of the Nervous System (NS07061)
Co-Investigator: Benjamin Weiss, Ph.D.
Period of Support: 7/1/78 - 6/31/81
Direct Costs: \$174,684

Source of Support: Scottish Rite Schizophrenia Research Program
Title: Research Fellowship
Sponsor: Benjamin Weiss, Ph.D.
Period of Support: 1979
Direct Costs: \$6,000

Source of Support: National Institute of Neurological and Communicative Disorders and Stroke
Title: Regulation of Brain Aminergic Receptors in Aging (NS16242)
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 4/1/80 - 3/31/84
Direct Costs: \$215,585

Source of Support: National Institute of Mental Health
Title: Psychotropic Drugs and Cyclic Nucleotide Metabolism (MH30096)
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 8/1/80 - 1/31/85
Direct Costs: \$204,557

EXTRAMURAL RESEARCH SUPPORT (continued)

Source of Support: Scottish Rite Schizophrenia Research Program
Title: Interaction of Neuropeptides with Calmodulin
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 8/1/81 - 7/31/83
Direct Costs: \$44,370

Source of Support: National Institute of Mental Health
Title: Training Program in Neuropsychopharmacology
Preceptor: Benjamin Weiss, Ph.D.
Period of Support: 7/1/82 - 6/30/85
Direct Costs: \$298,684

Source of Support: National Research Service Award
Title: Pineal Gland and Melatonin During Reproductive Aging (AG05321)
Sponsor: Benjamin Weiss, Ph.D.
Period of Support: 9/1/83 - 8/31/84
Direct Costs: \$20,040

Source of Support: National Institute on Aging
Title: Pineal beta Receptors and Melatonin During Reproductive Aging (AG04858)
Co-Investigator: Benjamin Weiss, Ph.D.
Period of Support: 9/1/84 - 8/31/85
Direct Costs: \$15,000

Source of Support: National Institute on Aging
Title: Role of SCN: Serotonin in Female Reproductive Aging (AG02867)
Co-Investigator: Benjamin Weiss, Ph.D.
Period of Support: 7/1/85 - 3/31/87
Direct Costs: \$96,478

Source of Support: NATO Advanced Study Institute
Title: Principles and Clinical Implications of Neuroreceptor Modulation
Principal Investigator: Benjamin Weiss
Period of Support: 1/1/86 - 6/30/87
Direct Costs: \$40,000

EXTRAMURAL RESEARCH SUPPORT (continued)

Source of Support: Hereditary Disease Foundation
Title: Plasticity of Gene Expression in the Basal Ganglia
Co-investigator: Benjamin Weiss, Ph.D.
Period of Support: 3/1/86 - 2/28/87
Direct Costs: \$14,974

Source of Support: National Institute of Mental Health
Title: Plasticity of Gene Expression in the Basal Ganglia (MH41714)
Co-investigator: Benjamin Weiss, Ph.D.
Period of Support: 8/1/86 - 7/31/87
Direct Costs: \$14,974

Source of Support: National Institute of Mental Health
Title: Role of Calmodulin in Chronic Cocaine-Induced Behaviors (DA04427)
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 7/1/87 - 6/30/88
Direct Costs: \$14,959

Source of Support: National Research Service Award
Title: Role of Calmodulin in Chronic Cocaine-Induced Behaviors (DA05318)
Sponsor: Benjamin Weiss, Ph.D.
Period of Support: 7/1/87 - 6/30/89
Direct Costs: \$39,000

Source of Support: National Institute of General Medical Sciences
Title: Regulation of Calmodulin - Dependent Processes (GM34334)
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 7/1/86 - 12/31/89
Direct Costs: \$231,323

Source of Support: National Institute of Mental Health (MERIT Award)
Title: Behavioral & Biochemical Correlates of Dopamine Responses (MH42148)
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 8/1/87 - 7/31/91
Direct Costs: \$404,648

EXTRAMURAL RESEARCH SUPPORT (continued)

Source of Support: Allegheny-Singer Research Institute
Title: Reversal of Dopaminergic Supersensitivity: Preclinical Mechanisms and Clinical Applications
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 7/1/90 - 6/30/93
Direct Costs: \$254,415

Source of Support: National Institute of Mental Health (MERIT Award)
Title: Behavioral & Biochemical Correlates of Dopamine Responses (MH42148)
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 8/1/91 - 7/31/95
Direct Costs: \$420,945

Source of Support: Allegheny Singer Research Institute
Title: Antisense RNA Vector Reduces Expression of D2 Receptors
Principal Investigator: Benjamin Weiss, Ph.D.
Period: 4/1/96-3/31/97
Direct Costs: \$25,816

Source of Support: National Institute of Neurological Disorders and Stroke
Title: Role of Calmodulin in Neuronal Differentiation (NS 30724)
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 9/1/93 - 8/31/97
Direct Costs: \$357,585

Source of Support: National Institute of Mental Health
Title: Behavioral & Biochemical Correlates of Dopamine Responses (MH42148)
Principal Investigator: Benjamin Weiss, Ph.D.
Period of Support: 4/1/95 - 3/31/99
Direct Costs: \$386,288

PATENTS

Title: Administration of Oligonucleotides Antisense to Dopamine Receptor mRNA for Diagnosis and Treatment of Neurological Pathologies

Inventor: Benjamin Weiss

Patent Number: 5,840,708

Title: Compositions and Methods to Regulate Calmodulin Gene Expression and Uses Thereof for Influencing Cell Growth and Differentiation

Inventor: Benjamin Weiss

Patent Number: 08/748,104

Title: Methods and Compositions for Diagnosis and Treatment of Pathological Conditions Related to Abnormal Dopamine Receptor Expression

Inventor: Benjamin Weiss

Patent Number: 08/816,426

POSTDOCTORAL STUDENTS AND VISITING SCIENTISTS TRAINED

1. Anthony Kidman, Ph.D.
Postdoctoral Training: 1969-1971
Current Position: The New South Wales Institute of Technology
New South Wales, Australia
2. John Crayton, M.D.
Postdoctoral Training: 1969-1970
Current Position: Department of Psychiatry
University of Chicago
Chicago, Illinois
3. Samuel J. Strada, Ph.D.
Ph.D. (Pharmacology), 1970
Postdoctoral Training: Vanderbilt University
1970-1972
Positions: Chairman, Department of Pharmacology, University of
South Alabama College of Medicine
Dean, University of South Alabama College
of Medicine

4. Petko Uzunov, M.D.
Postdoctoral Training: 1970-1972
Current Position: Professor and Chairman,
Department of Pharmacology
President, Bulgarian Medical Academy
Sofia, Bulgaria
5. Michael Ebadi, Ph.D.
Postdoctoral Training: 1970-1972
Positions: Professor and Chairman
Department of Pharmacology
University of Nebraska Medical Center
Omaha, Nebraska
Chester Fritz Distinguished Professor, Associate Vice
President for Health Affairs at Und, Associate Dean for
Research and Program Development, and Director of
the Center for Excellence in Neurosciences at the Und
School of Medicine and Health Sciences
6. Thomas Tulenko, Ph.D.
Ph.D. (Physiology), 1972
Postdoctoral Training: Boston University
1972-1977
Current Position: Professor of Physiology
Dept. of Physiol./Biochem.
Medical College of PA.
Philadelphia, Pennsylvania
7. Robert Levin, Ph.D.
Ph.D. (Pharmacology), 1974
Postdoctoral Training: University of Pennsylvania
1974-1976
Position: Professor
University of Buffalo
Chair, Professor Emeritus, Dept. of Pharmaceutical
Sciences, ACPHS, Research Career Scientist, Stratton
VA Medical Center
8. Richard Fertel, Ph.D.
Ph.D. (Pharmacology), 1972
Postdoctoral Training: Washington University
1972-1975
Current Position: Associate Professor
Department of Pharmacology
University of Ohio
Columbus, Ohio

9. Louise H. Greenberg, Ph.D.
Ph.D. (Pharmacology), 1974
Postdoctoral Training:
Current Position:
- Bryn Mawr College
1974-1977
Visiting Assist. Professor
Department of Pharmacology
Medical College of PA.
Philadelphia, Pennsylvania
10. Walter C. Prozialeck, Ph.D.
Ph.D. (Pharmacology), 1978
Postdoctoral Training:
Current Position:
- Jefferson University
1978-1980
Chairman, Department of Pharmacology
Chicago Col. of Osteopathic Medicine
Chicago, Illinois
11. Mauro Cimino, D. Biol.
Postdoctoral Training:
Current Position:
- 1979
- The University of Milan
Milan, Italy
12. M. Blair Clark, Ph.D.
Ph.D. (Anatomy), 1979
Postdoctoral Training:
Current Position:
- Tulane University
1979-1982
Assistant Professor
Department of Anatomy
University of Maryland
School of Medicine
Baltimore, Maryland
13. Mary Sellinger-Barnette, Ph.D.
Ph.D. (Pharmacology), 1979
Postdoctoral Training:
Current Position:
- University of Pennsylvania
1979-1984
Research Scientist
Smith Kline & French Labs.
Philadelphia, Pennsylvania
14. Judith S. Freilich, M.D.
M.D., 1979
Postdoctoral Training:
Current Position:
- Medical College of PA.
1981-1983
Associate, Univ. of PA.
Philadelphia, Pennsylvania

15. Long-Wu Zhou, M.D., 1958
Postdoctoral Training: 1981-1983
Current Position Research Assistant Professor
Allegheny University of the Health Sciences
Philadelphia, Pennsylvania
16. Kyriaki Thermos, Ph.D.
Ph.D. (Pharmacology), 1984
Postdoctoral Training: New York University
1984-1986
Current Position: Professor of Pharmacology
Director, Graduate Program of Neurosciences
School of Medicine, University of Crete
Heraklion, Crete, Greece
17. Jill Roberts-Lewis, Ph.D.
Ph.D. (Pharmacology), 1986
Postdoctoral Training: University of Michigan
1986-1988
Current Position: Research Scientist
Cephalon, Inc.
145 Brandywine Parkway
West Chester, Pennsylvania
18. Jo Elia, M.D.
M.D., 1982
Postdoctoral Training: Medical College of PA.
1986
Current Position: Director of Child Psychiatry
Allegheny University of the Health Sciences
Philadelphia, Pennsylvania
19. David Allen, M.D.
M.D., 1983
Postdoctoral Training: Temple University
1984-1985
Current Position: Staff Neurosurgeon
Reading Hospital and Medical Center
Reading, PA
20. Jiang Fan Chen, M.D.

Postdoctoral Training: Third Military Medical College, P.R.C.
1987-1989
Current Position: Assistant Professor
Harvard Medical School
Cambridge, Mass.

21. David Goodale, DDS, PhD
Postdoctoral Training 1987-1989
22. Guang Bai, M.D.
Postdoctoral Training: 1988-1991
Current Position: Assistant Professor
Department of Biomedical Sciences
University of Maryland School of Medicine
Baltimore, MD
23. Mauro Cimino, D. Biol. Sci
Visiting Scientist: 1987-1988
Current Position: University of Milan
Milan, Italy
24. Long-Wu Zhou, M.D., 1958
Visiting Scientist: 1988-present
Current Position Research Assistant Professor
Allegheny University of the Health Sciences
Philadelphia, Pennsylvania
25. Thomas Connell, M.D.
Postdoctoral Fellow 1990-1992
Current Position: Staff Psychiatrist
Norristown State Hospital
Norristown, PA
26. Naoki Natsukari, M.D., Ph.D.
Postdoctoral Fellow 1993-1995
Hamamatsu School of Medicine, Japan
27. Genoveva Davidkova, M.D., Ph.D.
Postdoctoral Fellow 1994-1997
Current Position Research Associate
City University of New York

GRADUATE STUDENTS TRAINED

1. William Hait, M.D., Ph.D.
Training Period 1972-1976
Degrees attained M.D., Ph.D. (Pharmacology)
Positions: Former: Director, The Cancer Institute of New Jersey
Senior Vice President, Worldwide Head of Hematology and Oncology for Johnson & Johnson
Current: Global Head, Johnson & Johnson Global External Innovation

2. Elinor Cantor, Ph.D.
Training Period 1974-1979
Degree attained Ph.D. (Pharmacology), 1979
Current Position: Senior Research Pharmacologist
Berlex Laboratories
Cedar Knolls, NJ

3. Thomas L. Wallace, Ph.D.
Training Period 1977-1982
Degree attained Ph.D. (Pharmacology), 1982
Former Position: Associate Director, Pharmacology
Triplex Pharmaceuticals
Woodlands, TX
Current Position: Senior Medical Science Liaison, Multiple Sclerosis at Genentech

4. Craig Q. Earl, Ph.D.
Training Period 1978-1983
Degree attained Ph.D. (Cell Biology), 1983
Current Position: Assistant Director
CNS Therapeutic Area
Solvay Pharmaceuticals
Marietta, GA

5. James Winkler, Ph.D.
Training period 1981-1986
Degree attained Ph.D. (Pharmacology), 1987
Current Position: Vice President, Discovery and Translational Biology, FORMA Therapeutics
Watertown, Massachusetts

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| 6. | Jiang Fan Chen, M.D.
Training period:
Degree attained
<u>Current Position:</u> | 1990-1993
Ph.D. (Pharmacology), 1993
Assistant Professor
Massachusetts General Hospital
Harvard Medical School
Charlestown, MA |
| 7. | Zheng-Hong Qin, M.D.
Training period:
Degree attained:
<u>Current Position:</u> | 1989-1994
Ph.D. (Pharmacology) 1994
Professor
Suzhou Medical College
Suzhou, China |
| 8. | Wangfang Hao, M.Sc.
Degree attained
Training Period:
<u>Current Position:</u> | M.Sc. (Pharmacology) 1997
1995-1997
Johnson and Johnson Research Laboratories |

MEDICAL STUDENTS TRAINED:

Robert Figlin, M.D.
 Stephen Weiss, M.D.
 Shelly Uram, M.D.
 Eva Gomolinski, M.D.
 Michael Hillman, M.D.
 Jo Ellen Habas, M.D.

PREMEDICAL STUDENTS TRAINED:

Scott Fields
 Gary Koretsky
 David Rubashkin
 Jo Ann Seagraves
 Lisa Ann Brady
 Judy Yuko Kameoka
 Amit Shah

PROFESSIONAL ACTIVITIES AT SYMPOSIA AND CONFERENCES

- Organized symposium: Cyclic Nucleotides in Disease, Philadelphia, PA., 1974
- Organized symposium: Interaction of Calmodulin with Psychotropic Drugs, at the Meeting of the American College of Neuropsychopharmacology, San Juan, Puerto, Rico, 1982
- Organized symposium: Antisense Strategies in Neurobiology, at the XIXth CINP Congress, Washington, DC, 1994

CHAired SCIENTIFIC SESSIONS AT NATIONAL AND INTERNATIONAL MEETINGS AND CONFERENCES

- 1971 Meeting of American Society for Pharmacology and Experimental Therapeutics, Burlington, VT.
- 1972 Meeting of American Chemical Society, Philadelphia.
- 1973 Meeting of Federal of American Societies for Experimental Biology, Atlantic City, NJ.
- 1974 Cyclic Nucleotides in Disease, Philadelphia, PA.
- 1974 Scottish Rite Schizophrenia Research Program, Boston, MA.
- 1975 Gordon Conference on Catecholamines, Andover, NH.
- 1976 Meeting of Federation of American Societies of Experimental Biology, Anaheim, CA.
- 1977 NATO Advanced Study Institute on Cyclic Nucleotides, Tremezzo, Italy.
- 1981 International Symposium on Aging Brain and Ergot Alkaloids, Rome, Italy.
- 1982 International Conference on the Aging of the Brain, Mantua, Italy.
- 1982 Meeting of the American College of Neuropsychopharmacology, San Juan, Puerto Rico.
- 1983 Meeting of the Federation of American Societies for Experimental Biology, Chicago, ILL.
- 1983 Symposium on Altered Endocrine Status During Aging, Fourth Philadelphia Symposium on Aging, Philadelphia, PA.
- 1985 Symposium on Aging of the Brain from Laboratory Animal to Man, IVth World Congress of Biological Psychiatry, Philadelphia, PA.

CHAired SCIENTIFIC SESSIONS AT NATIONAL AND INTERNATIONAL MEETINGS AND CONFERENCES *(continued)*

- 1986 Meeting of Federation of American Societies for Experimental Biology, St. Louis, MO.
- 1987 Meeting of the Society for Neuroscience, New Orleans, LA.
- 1988 Meeting of the American Physiological Society and the American Society for Pharmacology and Experimental Therapeutics, Montreal, Canada
- 1991 Meeting of the Society for Neuroscience, New Orleans, LA
- 1994 Symposium on Antisense Strategies in Neurobiology, XIXth C.I.N.P. Congress, Washington, DC
- 1997 Fourth National Congress of Pharmacology, Sofia, Bulgaria

INVITED SPEAKER AT NATIONAL AND INTERNATIONAL CONFERENCES AND SYMPOSIA

- 1967 Symposium on Biological Role of Indolealkamine Derivatives, New York.
- 1968 Meeting of the American College of Neuropsychopharmacology, San Juan, Puerto Rico.
- 1969 Symposium on Biogenic Amines as Physiological Regulators, Woods Hole, MA.
- 1970 Symposium on the Role of Cyclic AMP in Cell Function, San Diego, CA.
- 1970 Role of Cyclic AMP in Nervous System, Neurosciences Research Program, Boston, MA.
- 1971 Cyclic AMP and Cell Function, New York Academy of Science, New York.
- 1971 First International Conference on the Physiology and Pharmacology of Cyclic AMP, Milan, Italy.
- 1971 Symposium on Fetal Pharmacology, Stockholm, Sweden.
- 1972 Symposium on the Biochemistry and Physiology of the Pineal Gland Bethesda, MD.
- 1973 Third International Catecholamine Symposium, Strasbourg, France.
- 1974 Conference on Cyclic Nucleotides and the Nervous System, St. Odile, France.
- 1974 Gordon Conference on Catecholamines, Brewster, NH.

INVITED SPEAKER AT NATIONAL AND INTERNATIONAL CONFERENCES AND SYMPOSIA

(continued)

- 1974 Second International Conference on Cyclic AMP, Vancouver, Canada.
- 1975 Gerontological Society Symposium on the Pharmacology of Aging Systems, Louisville, KY.
- 1975 Gordon Conference on Catecholamines, Andover, NH.
- 1976 Symposium on Cyclic Nucleotide Systems - A Target for Drug Design, London, England.
- 1977 Gordon Conference on Hormone Action, Palo Alto, CA.
- 1977 Series of Prominent Neuroscientists at University of Pittsburgh, PA.
- 1977 Third International Congress of Cyclic Nucleotides, New Orleans, LA.
- 1977 NATO Advanced Study Institute on Cyclic Nucleotides, Tremezzo, Italy.
- 1978 Gerontology Symposium at the Federation of American Societies for Experimental Biology, Atlantic City, NJ.
- 1978 Fourth International Symposium on Catecholamines, Santa Barbara, CA.
- 1978 Meeting of the American College of Neuropsychopharmacology, Maui, HI.
- 1979 Symposium on Long Term Effects of Neuroleptics, Monte Carlo, Monaco.
- 1979 First International Colloquium on Receptors, Neurotransmitters and Peptide Hormones, Capri, Italy.
- 1979 Symposium on Clinical Implications of Cyclic Nucleotides, Denver, CO.
- 1980 Conference on Calmodulin and Cell Functions, New York Academy of Sciences, New York.
- 1980 Gordon Research Conference on Cyclic Nucleotides, Meriden, NH.
- 1980 New York Academy of Sciences Meeting on the Biology of Aging, New York, NY.
- 1980 International Symposium on the Clinical Pharmacology of Apomorphine and Other Dopaminomimetics, Cagliari, Sardinia, Italy.
- 1981 Symposium on the Pharmacological Implications of Calmodulin, Western Pharmacology Society, Honolulu, HI.

INVITED SPEAKER AT NATIONAL AND INTERNATIONAL CONFERENCES AND SYMPOSIA

(continued)

- 1981 Symposium on the Developmental Neurobiology of the Melatonin Rhythm Generating System, Bethesda, MD.
- 1981 International Symposium on Typical and Atypical Antidepressants, Taormina, Sicily, Italy.
- 1981 Gordon Research Conference on Medicinal Chemistry, Andover, NH.
- 1981 Conference on Dynamics of Neurotransmitter Function, National Institutes of Health, Bethesda, MD.
- 1981 International Symposium on Aging Brain and Ergot Alkaloids, Rome, Italy.
- 1982 International Conference on the Aging of the Brain, Mantua, Italy.
- 1982 Meeting of the American College of Neuropsychopharmacology, San Juan, Puerto Rico.
- 1983 Meeting of the Federation of American Societies for Experimental Biology, Chicago, IL.
- 1983 Falk Symposium on Mechanisms of Hepatocyte Injury and Death, Basel, Switzerland.
- 1983 Annual Meeting of American Chemical Society, White Haven, PA.
- 1983 Symposium on Altered Endocrine Status During Aging; Fourth Philadelphia Symposium on Aging, Philadelphia, PA.
- 1984 International Conference on Calcium Metabolism and Nervous System: The Problem of Spasmophilia, Rome, Italy.
- 1984 First European Meeting on New Trends in Medicine, Milanomedicina, Milan, Italy.
- 1985 Fourth Capo Boi Conference on Neuroscience, Sardinia, Italy.
- 1988 FIDIA Research Foundation Symposium: Neurochemical Pharmacology 1988, Washington, D.C.
- 1988 Meeting of the American Physiological Society and The American Society for Pharmacology and Experimental Therapeutics, Montreal, Canada.
- 1989 Sixth Capo Boi Conference on Neuroscience, Sardinia, Italy.
- 1989 Annual Meeting of the Society for Neuroscience, Phoenix, Arizona.

INVITED SPEAKER AT NATIONAL AND INTERNATIONAL CONFERENCES AND SYMPOSIA

(continued)

- 1990 Symposium on Dopamine Systems and their Regulation, Como, Italy.
- 1994 Symposium on Antisense Strategies in Neurobiology, CINP Congress, Washington, DC.
- 1994 Meeting of the American Psychological Association, Los Angeles, CA.
- 1995 International Symposium on Practical Approaches to the Regulation of Gene Expression: Progress in Neuroscience, University of Oxford, Oxford, England.
- 1995 International Conference on Therapeutic Oligonucleotides from Cell to Man, Seillac, France.
- 1995 Symposium on the Application of Antisense Strategies for Investigation of Receptor Mechanisms in Vivo and In Vitro, Fifty-Seventh Annual Scientific Meeting of The College on Problems of Drug Dependence, Inc., Scottsdale, AZ.
- 1996 New York Academy of Science Symposium on Use of Antisense Oligonucleotides as Pharmacological Tools, New York, NY.
- 1996 INSERM Workshop on Antisense Strategies in the Neurosciences, Paris, France.
- 1997 International Symposium on Antisense Oligonucleotide Gene Knockout in the Nervous System, Oxford, England
- 1997 Conference on Antisense 97: Targeting the Molecular Basis of Disease, Cambridge, MA
- 1997 Plenary Lecture on Antisense RNA Generating Vectors at the Fourth National Congress of Pharmacology, Sofia, Bulgaria
- 1997 Symposium on Antisense Strategies, American College of Neuropsychopharmacology, Hawaii
- 1999 IBC's International Conference on Oligonucleotide Therapeutics, La Jolla CA.

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Awards to Benjamin Weiss for contributions to medallic art:

Ben & Sylvia Odesser Memorial Award, for Outstanding Contribution, Judaic Numismatics & Exonumia, 2016, awarded jointly by the Token and Medal Society and the American Israel Numismatic Association, Inc.

NGL Award, Small Club Publications for Best Article "Anti-Semitic Bigotry as Chronicled by Historical Medals", The Shekel, awarded by the Numismatic Literary Guild, August 2016.

A portion of Ben Weiss' medal collection are on display at the Philadelphia Museum of Art, Philadelphia, PA.

OTHER HONORS:

Listed by the Institute for Scientific Information among the 1000 scientists most cited from 1965 to 1978.

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One of Dr. Weiss' published articles was cited as a Citation Classic, being among the 100 (number 31 on the list) most cited research article from 1961-1982, out "Of the millions of papers cited during this period"...

Ref: Garfield, E. The Articles most cited in 1961-1982. 3. Another All-Time Citation Classics. Current Contents, No. 35, pp. 3-9, 1984.

Overall, his scientific papers have been cited on a list compiled by Google Scholars as having more than ten thousand citations.

Benjamin Weiss Scholarship in Pharmacology and Physiology, Drexel University College of Medicine, 2006, established in his honor.