

CURRICULUM VITAE

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EDUCATION:

- **Ph.D. in Neuroscience (with distinction)** 1986
Medical School of Warsaw, Poland.
- **M.Sc. in Biomedical Engineering** 1978
Technical University of Warsaw, Poland.

POSTGRADUATE TRAINING:

- **Postdoctoral Fellowship in Neuroscience and Physiology** 1987–89
Howard Florey Institute of Experimental Physiology and Medicine, University of Melbourne, Australia.

POSTGRADUATE HONORS AND AWARDS:

- **The Ministry of Health Prize for Outstanding Research** 1986
"Cerebral Blood Flow Regulation in Hyperammonemia."
- **Brown University Honorary Master's Degree** 2002

POSITIONS HELD AND PROFESSIONAL EXPERIENCE:

- Associate Professor** 2001–
Department of Clinical Neurosciences, Brown University/R.I. Hospital, Providence, RI.
- Assistant Professor** 1995–01
Department of Clinical Neurosciences, Brown University/R.I. Hospital, Providence, RI.
- Research Associate** 1991–95
Department of Clinical Neurosciences, Brown University/R.I. Hospital, Providence, RI.
- Assistant Professor** 1989–91
Department of Applied and Clinical Physiology, Medical School of Warsaw, Poland.
- Visiting Research Fellow** 1987–89
Howard Florey Institute of Experimental Physiology and Medicine, University of Melbourne, Australia.
- Research Assistant – Senior Research Assistant – Research Associate** 1978–87
Microcirculation Research Laboratory, Institute of Physiological Sciences and Department of Applied and Clinical Physiology, Medical School of Warsaw, Poland.

RESEARCH INTEREST:

My professional interest is in the blood-brain and blood-CSF barriers in the context of CNS disorders and aging.

PROFESSIONAL ACTIVITIES AND RECOGNITION:

Editorial Activities

Member of the Editorial Board of *Neuroendocrinology*.

Member of the Editorial Board of *Cerebrospinal Fluid Research*.

Co-Editor of "The Blood-Cerebrospinal Fluid Barrier," CRC Press, 2005.

Scientific Meetings

Co-organizer and Co-Chair of the Gordon Research Conference "Barriers of the Central Nervous System," – August 15–20, 1999, Tilton, NH.

Co-Chair of two sessions during the "II International Workshop on Choroid Plexus: Blood-CSF Barrier Influence on Brain Health and Disease," – April 12–14, 2003, London, UK.

Chair of the session: "Physiology and Pathophysiology of the Blood-CSF Barrier" at the Gordon Research Conference on "Barriers of the Central Nervous System," – June 27–July 2, 2004, Tilton, NH.

Co-organizer and Co-Chair of the workshop: "Role of the Choroid Plexus in Protecting Brain from Traumatic/Pathological Damage," 16th International Congress of the IFAA, August 22–27, 2004, Kyoto, Japan.

Co-organizer and Co-Chair of the Conference "Neurovascular Unit in Brain Homeostasis and Disease," – November 12, 2005, NIH, Bethesda, MD.

Permanent Member of the Advisory Board to the Committee of the International Workshop on Choroid Plexus.

Recent Invited Lectures

- 2005 6th Conference on Cerebrovascular Biology, June 26–29, 2005, Münster, Germany.
- 2004 Department of Anatomy and Neurobiology, Kyoto University School of Medicine, Kyoto, Japan.
- 2004 16th International Congress of the IFAA, Kyoto, Japan.
- 2002 School of Environmental Health Sciences, Columbia University, New York, NY.
- 2002 Naval Medical Research Center, Bethesda, MD.
- 2001 Blood-Brain Barrier Mechanisms from Molecule to Patient. A Satellite Symposium to the International Congress of Physiological Sciences, August 21–24, 2001, Tasmania, Australia.
- 2000 International Meeting: "Focus on Choroid Plexus: Physiology, Pathology, and Pathophysiology," May 17–20, 2000, Lyon, France.

Other Experience

Reviewer for the "Brain Injury and Neurovascular Pathologies" (ZRG1 BINP-L) Study Section

Professional Memberships

National Neurotrauma Society	2000 to present
Society for Neuroscience	1991 to present
New York Academy of Sciences	1991 to present
American Association for the Advancement of Science	1992 to present
Polish Society for EEG and Clinical Neurophysiology	1978–1991
Polish Physiological Society	1979–1991

GRANT HISTORY:

Active support:

- NIH Grant (R01): 2005–09
"Role of the BBB and Choroid Plexus in VP-Mediated Edema"
Role: P.I.

- NIH Grant (R01): 2006–10
"Age-Related Decrease in A-beta Clearance Pathways: CSF and Blood-Brain Barrier"
Role: Collaborator

Previously awarded:

- NIH Grant (R01): 2000–04
"Extrahypothalamic AVP: Synthesis and Secretion"
Role: P.I.
- NSF Grant: 1998–00
"Choroid Plexus: A Newly Discovered Site for Central Vasopressin Biosynthesis"
Role: P.I.
- R.I. Hospital Research Development Grant: 1994–95
"Nitric Oxide Synthase in the Choroid Plexus"
Role: P.I.
- Rhode Island Foundation Research Grant: 1992–93
"The Role of Angiotensin II in the Regulation of Blood Flow to the Choroid Plexus"
Role: P.I.
- The Wellcome Trust Research Grant: 1990–91
"The Role of Neuropeptides in the Regulation of Blood Flow to the Choroid Plexus"
Role: P.I.
- Medical Academy of Warsaw Research Grant: 1990–91
"The Role of Centrally-Released Angiotensin II in the Regulation of Cerebrospinal Fluid Formation"
Role: P.I.

TEACHING ACTIVITIES:

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- Brown University* 1991–
- Trainer in the Molecular Pharmacology and Physiology Graduate Program
 - Mentor to undergraduate students and supervisor of independent student projects BI0195 and BI0196
 - Mentor and adviser to residents in the Neurosurgery Program at Brown University Medical School
 - Adviser and reader for Honors and Master's Theses
- Medical School of Warsaw* 1986–91
- Graduate courses in neuroscience and physiology, as listed below:
- Mechanisms of neurotransmission
 - Motor and sensory systems
 - Pain
 - Sleep/EEG
 - Integrative functions of the CNS
 - Autonomic nervous system
 - Neuroendocrinology
 - Cardiovascular physiology
 - Respiration physiology
 - Kidney function
 - Water and electrolyte balance