

12/28/12

CURRICULUM VITAE

LASZLO ZABORSZKY, M.D.,Ph.D.,DSc.

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E-mail: zaborszky@axon.rutgers.edu

General

Date & Place of Birth 1944, Budapest, Hungary

Education/Degrees

1969 M.D. Semmelweis Medical School, Budapest
1981 P.D. Hungarian Academy of Sciences
1999 D.Sc. Hungarian Academy of Sciences

Academic Appointments

1970-1973 Assistant Professor, 1st Department of Anatomy,
Semmelweis University
1973-1974 Assistant Professor, Department of Anatomy, University
Wurzburg, Germany
1975-1981 Lecturer, 1st Department of Anatomy, Semmelweis University
1981-1984 Research Associate, Department of Neurology, University of
Virginia Medical Center, Charlottesville, VA
1984-1986 Research Assistant Professor, Department of Neurology,
University of Virginia
1986-1992 Research Associate Professor, Department of Neurosurgery &
Otolaryngology, University of Virginia
1992-1993 Associate Professor, Department of Neurology, Director,
Laboratory of Cellular and Molecular Neuroanatomy, University
of Virginia
1993 June- Associate Professor, Center for Molecular and Behavioral
Neuroscience, Rutgers University (with tenure: 06/97)
2004 Professor

Sabbatical leave

1976 Visiting Scientist, Max Planck Institute for Biophysical
Chemistry, Göttingen, Germany (3 months)
1986 Visiting Scientist, Montreal General Hospital, Department of
Neurology, Montreal, Canada (3 months)
2000 Visiting Professor, O. and C. Vogt Institute for Brain
Research, Dusseldorf, Germany, (1 month)
2000 Visiting Professor, National Institute for Physiological
Sciences, Okazaki, Japan (3 months)

Research Funding

Recent Federal Funding

NIH-NINDS: Afferent Regulation of Cholinergic Forebrain Neurons
2R01-NS023945-18A2; 2010-2015. TC: 1,675,568 (PI)

Previous Federal Funding

NIH-NINDS: Afferent Regulation of Cholinergic Forebrain Neurons.
2003-2009 TC: **\$1,775,855** (Principal Investigator, 2R01 NS23945-13-17).
Supplement, DC: **\$30,000** (PI, 3R01NS023945-17S1)

NIH-NINDS: Afferent Regulation of Cholinergic Forebrain Neurons.
1997-2002, TC: **\$1,257,022** (Principal Investigator, 2R01 NS23945)

**NSF: Acquisition of a Flexible Multiphoton System for Studies of
Neuronal Plasticity.** TC: **\$393,652.** Award period covered: 8/1/03-7/31/06.
P.I.: E. Nimchinsky. LZ: Co-investigator. Award # 0320964

NINDS: Supplement for Research Infrastructure. 1999-2000, **\$50,000**

NIH/NCRR: IBM SP2 Computer for Experimental Neurocomputation.
Total award: \$327,994. Award period covered: 04/98-03/99. P.I.: R. Siegel.
LZ: Co-Investigator (1 S10 RR12873)

NIH-NCRR: Electron microscope, Total award: **\$279,293.** Award period
covered: 04/99-03/00. (Principal Investigator: 1 S10 RR13959)

NIH-NINDS: Afferent Regulation of Cholinergic Forebrain Neurons.
1991-1995. TC: **\$516,341** (Principal Investigator, 2R01 NS23945).

NIH-NINDS: Afferent Regulation of Cholinergic Forebrain Neurons.
1986-1989. TC: **\$323,821** (Principal Investigator, 1R01 NS23945).

**NIH-NINDS: Center for the Study of Neurodegenerative Diseases (5 P01
NS30024).** Principal Investigator of Project 3. TC: **\$ 257,952** for 1992.

**NIH-NINDS: Center for the Study of Neurodegenerative Diseases
Subcontract to University of Virginia,** Principal Investigator, 01/94-12/94,
TC: **\$98,995**

NIH-NINDS: Basal Forebrain Organization (NS17743)
1991-1998, \$1,617,957 DC. (Co-PI until 06/1993)
1985-1991. \$1,159,229 DC. (Co-PI)

Private Funding

American Health Assistance Foundation. Alzheimer's Disease Research.
1986. DC: **\$50,000** (Principal Investigator).

State Funding

NJ CHE, Research Capacity Building 2001, \$20,000
ORSP, Rutgers University, 1996, \$1,500

Professional Activities

Member in Federal Advisory Committees:

Member, Neurological Disorders Program Project Review B Committee, NINCDS, (January 1987),
Member, Special Review Committee, NINCDS (January, 1988),
Member, Special Review Committee, NIMH (June 1988, December 1988, November 1989),
Member, NIMH Behavioral Neurobiology Study Section BPN-2 (October, 1991),
Member, NSPB Committee, NINDS (January, 1994),
Member, FDA/NCTR Research Scientist Peer Review Panel (November, 1994)
Member, NIMH/NPNC Study Section (October, 1995, June 1996),
Member, NIDA, Contract Proposal Review Panel (July, 1997),
Member, NIMH/NPNC Study Section (October, 1997)
Member, FDA/NCTR Research Scientist Peer Review Panel (November, 1997),
Member, NIH Shared Instrumentation Study Section (June, 1999)
Member, NIH CSR, ZRG1 CDF-3 Special Emphasis Panel (June, 2003)
Member, NCTR Science Advisory Board Site Visit (January, 2004)
Member, CSR, ZRG1 IFCN (March 2005, March 2006, July 2006)
Member, Neuroscience Information Framework/NIH Blueprint workshop on terminology for microscopy and neuronal ultrastructure (La Jolla, 2006)
Member, CSR, ZRG1 IFCN (February and June 2007)
Member, CSR, ZRG1 ETTN-A (July, 2008)
Member, CSR, ZRG1 ETTN-F (03) (February, 2009)
Member, CSR, ZRG1 IFCN-L (96) S (July, 2009)
Member, CSR, ZRG1 ETTN-F (02) (December 2009)
Member, CSR, ZRG1 (ETTN)-F(02)M (June, 2010)

International Advisory Committee:

INCF Program on Ontologies of Neural Structures (PONS) Oversight Committee Karolinska Institute, September, 2008
PONS Structural TF, Pilzen, Czech Republic, September,
PONS Structural TF, Boston, January 2010,
INCF WHS Delineation, Pasadena, April 2010,
INCF/PONS Task Force, Seattle, July 2010

Scientific Program Committees:

“Neural mechanisms of the basal ganglia and ventrobasal forebrain” IBRO Workshop, Pecs, Hungary, 2010 (Symp. Chair)
“New insight into the role of the basal forebrain in cortical plasticity and attention” 7th IBRO World Congress, Melbourne, 2007 (Symp. Chair)
“Neuronal Circuits: From elementary to complex functions” IBRO Workshop, Budapest, 2004 (Symp. Chair)
“Advancing from the Ventral Striatum to the Extended Amygdala. Implications for Neuropsychiatry and Drug Abuse”. NYAS Conference, Charlottesville, VA 1998 (Org. Comm. Member, Symp. Chair)
2nd International Congress of Worldwide Hungarian Medical Academy, Budapest, 1994 (Section Chair)
Peptidergic-cholinergic Interactions”. IX. Winter Neuropeptide Conference, Breckenridge, CO, 1988 (Symp. Organizer)

Honors:	Foreign Member, Hungarian Academy of Sciences (2007)
Founding Editor-in-Chief	Brain Structure and Function (2007-)
Managing Editor	Anatomy and Embryology (2004-2006)
Editorial Advisory Board	Journal of Chemical Neuroanatomy (1994-2000)
Reviewer	Journal of Comparative Neurology (1983-), Peptides (1988-), Brain Research (1986-), Neuroscience (1990-), Experimental Neurology (1991-), Journal of Neuroscience (1992-), Neuroscience Protocol (1992-), Behavioral Neuroscience (1993-), Journal of Neurochemistry (1996-), American Journal of Physiology (1997-), Journal of Neurophysiology (1997-), PNAS (2003), Progress in Neurobiology (2003), Cerebral Cortex (2003)
Professional Societies	IBRO (International Brain Research Organization) Society for Neuroscience European Neuroscience Association New York Academy of Sciences American Association for the Advancement of Science
Teaching courses	
<u>Rutgers University</u>	Human Neuroanatomy INS Graduate Program: 26:546:629, 2005, 2008 Behavioral and Cognitive Neuroanatomy Honors College: 21:525:250, 2004 Functional Neuroanatomy , Freshman Seminars: 21:120:492, 1994 Human Neuroanatomy , Graduate Course: 26:112:629, 1995, 1997, 1999, 2001, Basal Forebrain , Graduate Course: 26:112:625, 1994, 1996, 1998 Neuroscience Methods , Graduate Course: 26:112:705, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006 Individual lectures: Foundations of Neuroscience (1994-); Neuroscience from Molecules to Behavior (Honors Seminars: 2007, 2008)
<u>University of Virginia</u>	Neuroanatomy Lectures, neurology clerkship, 1992/93; Basal Forebrain Cholinergic System: Anatomy to Function, (NESC 821 GI), 1992 Neuroscience Intensive Survey Course, 1988-1991; Medical Neuroscience Course 1982-1986.
<u>Rockefeller University</u>	One week intensive course in neuroanatomy of the basal forebrain for graduate students, 1988
<u>University of Wurzburg</u>	Course Director in Histology and Neuroanatomy, 1973/74
<u>Semmelweis University</u>	Organization and teaching of courses in gross anatomy, histology and embryology for 1st and 2nd year medical students (Course Director in 1971), 1969-1981

Rutgers University Service

Member, Newark Faculty Council (2003-2009)
Membership Committee –Graduate School Newark (1998-1999)
Senator-at-Large (2000-2006),
Member, University Structure and Governance Committee (2002-2006)
Member ACFC Committee (2005-2006)

Departmental Service

1. Curriculum development: establishing new courses: Human Neuroanatomy (26:112:629); Neuroscience Methods (26:112:705); Basal Forebrain (26:112:625); manual for course 26:112-625 "Basal Forebrain Cholinergic System: Anatomy to Function", pp. 1-242, 1994; Software for course 26:112:625 (<http://www.zlab.rutgers.edu>)
2. Instructional development: "Videotape Teaching Program for Neuroanatomy", Teaching Excellence Award, Fall 1994
3. CMBN Curriculum Committee 1994
4. CMBN Dissertation Committee 1994
5. Member, Executive Committee, Integrative Neuroscience Program [INS] (2003-2006)
6. Member, Qualifying Examination Committee, INS (2003-2006)

Undergraduate Advisor

1. **B. Patel**, ACS Project SEED Summer (1993)
2. **V. Khanna**, Honors Program, (July 1995-May 1996)
3. **M. Hernandez**, MBRS Summer Program (1995)
4. **S. Poobalasingham**, Honors Program (1995-1996)
5. **B. Lynch**, MBRS (July 1994-May 1996)
6. **O. Soremekun**, HHMI Summer Program (1996)
7. **P. Anderson**, (1994-1996, 1997-1998)
8. **A. Patel**, Boston College (1998 Summer)
9. **A. Raza** Senior Honors Project (1998-2001)
10. **D. Darwish**, Senior Honors Project (1999-2000)
11. **G. Lacanilao**, (January-October 2000)
12. **D. Panchal**, (January-June 2003)
13. **K. Mosca**, Senior Honors Project (2003-2004)
14. **B. Greet**, Senior Honors Project (2005)
15. **K. M. Balogun**, Senior Honors Project (2006-2007)
16. **D. Patel** 2011-

Graduate Advisor

1. **P. Miller** (January 1994-October 1995)
2. **C. Criminale** (September-December 1997)
3. **B. Ermita** (July 1997- July 1999)
4. **A. Duque** (July 1997-2001)
5. **D. Buhl** (1999-2000)
6. **K. Smith** (2000-2001)
7. **E. Hur** (2001-2007)
8. **B. Hassanzadeh** (2003)
9. **F. Nagy** (2003-2004)
10. **A. Toth** (2005)
11. **B. Muralidharan** (2005)
12. **P. Amue-Quarshie** (2005-2007)
13. **D. Sullivan** (January –May 2007)
14. **J. Kim** (2006-2007)
15. **E. Gyengesi** (2005-2006)
16. **T. Cagri Unal** (2009-)
17. **M. Gielow** (2010; 2011-)

18. M. Johnson (2010)

PhD. Thesis Advisor:

William E. Cullinan, PhD. Currently, Associate Professor, Marquette University, Department of Basic Health Sciences, Milwaukee, WI. (University of Virginia Neuroscience Program, 1986-1990.)

Alvaro Duque, PhD. Currently, Postdoctoral Fellow, Department of Neurobiology, Yale University, School of Medicine, New Haven, CT. (Rutgers University, 1996-2001)

Elizabeth Hur, PhD. Currently, Postdoctoral Fellow, Beth Israel Deaconess Medical Center Harvard Institutes of Medicine,

**Unal
Gielow**

Master Thesis Advisor: Paul Miller

Joseph Kim

Peter Amue-Quarshie

Postdoctoral Trainees

14. **S. Ovsepyan**, PhD (2006-2008), Senior Research Scientist, Dublin City University
13. **A. Csordas**, MD (1998-2001), Resident, Cornell University Medical School, NY
12. **T. Hajszan** MD (1998-2001), Yale University Medical School, OBGYN
11. **I. Kallo**, MD (1997), Institute for Experimental Medicine, Hungarian Academy of Sciences
10. **K. Pang**, PhD (1994-1995) UMDNJ/VA
9. **H. Hashemzadeh-G**, PhD.(1993-1994) The Johns Hopkins University School of Medicine,
8. **Xi-Guang Li**, MD (1993-1994) UMDNJ/RWM S, Piscataway, NJ.
7. **R. Gaykema**, PhD (1993-1994) University of Virginia Medical Center, Charlottesville, VA.
6. **L. C. Schmued**, PhD. (1989-1991) National Center for Toxicology Research, Jefferson, AR.
5. **M. B. Harrison**, MD. (1988-1989) Associate Professor, Univ. of Virginia, Charlottesville, VA
4. **A. Braun**, MD. (1987) Department of Pathology, SUNY, at Stony Brook, NY.
3. **J. Carlsen**, Ph.D. (1984-1986) Copenhagen County Hospital, Herlev, Denmark.
2. **R.H. Brashear**, MD. (1984-1985) Assistant Professor, Univ. of Virginia, Charlottesville, VA
1. **S.D. Zahm**, PhD. (1984-85) Professor, St. Louis University School of Medicine.

Member of Thesis Committees

24. **A. Lee**: “The role of PMCA2 in MgluR1 and AMPA-R induced Ca++ transients in Purkinje cells (INS Program, 2009-2010)
23. **D. Sullivan**: “Interneuron types in the hippocampal dentate gyrus” (INS Program, 2008-)
22. **T. Ricart**: “Role of NE in abnormal avoidance behavior” (UMDNJ, MD/PhD Program 2010)
21. **S. Ozen**: “Biasing brain states: Entrainment of cortical activity by applied fields” (INS Program, 2010)
20. **C. Patterson**: “Selectively Bred Diet-induced Obesity Rat Model” (INS Program 2008)
19. **E. Hur**: “Glutamatergic circuitries of the basal forebrain” (Thesis advisor, INS Program, 2007)
18. **J. Zackheim**: “Direct and indirect regulation of striatal acetylcholine release by the parafascicular nucleus of the thalamus” (Rutgers University, 2003)
17. **W. S. Cobb**: “Regulation of somatodendritic dopamine release in substantia nigra”. (Rutgers University, 2002)
16. **G. Dragoi**: “Plasticity and neural coding in the hippocampus” (Rutgers University, 2002)
15. **B. Mattson**: “Competing appetitive processes in the lactating, maternal rodent: Natural and pharmacological stimuli” (Rutgers University, 2002)
14. **A. Duque**: “Basal forebrain neurons: local circuits and their relationship to cortical activity with emphasis on the cholinergic NPY interactions (Thesis advisor, Rutgers University, 2001)
13. **A. Larrison**: “Nicotine use in schizophrenia and schizotypy: effects on attention and eye movement” (Chair, Rutgers University, 2000)
12. **N. Sharpe**: “Postnatal synaptic development of the rat striatum” (Rutgers University, 2000)

11. **T. Koos:** “The role of neostriatal interneurons in GABAergic function” (Rutgers University, 1999)
10. **J. Csicsvari:** “Single cell and population interactions in the hippocampus” (Rutgers University, 1998)
9. **A. Kandel:** “Thalamocortical Oscillation in the Rat” (Rutgers University, 1997)
8. **F. Tarazi:** “Localization and regulation of dopamine and glutamate receptor subtypes following Chronic treatment with typical and atypical neuroleptics “ (Chair, Rutgers University, 1995)
7. **L.S. Janis:** “Anatomical and Behavioral Consequences of a Single Intraseptal Injection of Nerve Growth Factor into the Brain Following Specific Cholinergic Damage to the Medial Septum in Rats” (Rutgers University, 1996).
6. **T.L Dellovade:** “Social and Behavioral Regulation of Neuronal Gonadotropin Releasing Hormone Immunoreactivity in the Musk Shrew Brain” (University of Virginia, Neuroscience Program, 1993)
5. **M.E. Ragozzino:** “Glucose Effects on Memory: Neural Systems Analysis” (University of Virginia, Neuroscience Program, 1993)
4. **K. Corodimas:** “Neural Circuitry of Estradiol-Concentrating Neurons”, (Institute of Animal Behavior, Rutgers University, 1992).
3. **D. Walker:** “Characterization of the Involvement of NMDA Receptors in Learning and Memory: Phenomenology, Anatomical Substrates and Putative Mechanisms” (University of Virginia Neuroscience Program, 1992)
2. **M. King:** “Central Neural Pathway Mediating Splanchnic Osmosensation” (University of Virginia, Neuroscience Program, 1991)
1. **M. Vogelbaum:** “The Temporal Organization of Locomotor Activity in the Golden Hamster: The Case for at least Two Regulatory Outputs from the Circadian System” (University of Virginia School of Engineering and Applied Sciences, 1991)

Invited Colloquia and Symposia

80.	2012	Rostock, Germany	German Center for Neurodegenerative Disorders
79.	2012	Szeged, Hungary	IBRO International Workshop
78.	2011	College Park, MD	Neuroscience and Cognitive Science Program, University of Maryland
77.	2011	Madrid, Spain	Department of Anatomy, Universidad Autonoma
76.	2010	Sydney, Australia	Prince of Wales Medical Research Institute & University of New South Wales
75.	2010	Pecs, Hungary	IBRO Workshop, Symp. Organizer,
74.	2009	Seville, Spain	University Pablo de Olavide
73.	2009	Budapest, Hungary	15th Conference of the Hungarian Anatomical Soc., Plenary Lecture
72.	2009	Budapest, Hungary	Hungarian Academy of Sciences, inaugural lecture
71.	2008	Pittsburgh School of Medicine	Department of Neuroscience
70.	2008	Cordoba, Argentina	Instituto Mercedes & Martin Ferreyra
69.	2007	Julich, Germany	Institute of Medicine, Res Ctr. Julich
68.	2007	Melbourne, Australia	7th IBRO World Congress of Neurosci, Symp. Org.
67.	2005	Newark, NJ	UMDNJ, Department of Neuroscience
66.	2004	Baltimore	NIDA, IRP
65.	2004	Budapest, Hungary	IBRO Workshop, Symp. Organizer
64.	2004	New York, NY	Rockefeller University
63.	2003	Erice, Italy	Int School on Neural Nets “ER Caianiello” 8th Course
62.	2003	Amsterdam, The Netherlands	Comp Neurosci: Cortical Dynamics Department of Anatomy, Vrije Univ. Medical Ctr.

61.	2001	Pullman, WA	Washington State University, Dept. Vet. Comp. Anat. Pharm. Phys.
60.	2001	Debrecen, Hungary	11 th Conference of the Hungarian Anatomical Soc., Plenary Lecture
59.	2001	Madrid, Spain	Changing Views of Cajal Neuron. Int. Conf. Inv. Speaker
58.	2001	Columbus, OH	Department of Psychology, Ohio State University
57.	2000	Nagoya, Japan	RIKEN
56.	2000	Okazaki, Japan	National Institute for Physiological Sciences
55.	2000	Dusseldorf, Germany	C. and O. Vogt Institute for Brain Research
54.	1999	Budapest, Hungary	Hungarian Academy of Sciences
53.	1999	Dresden, Germany	Third Intern. Congress, World Federation of Sleep Research Societies
52.	1999	Oslo, Norway	Department of Anatomy, Institute of Basic Medical Sciences, University of Oslo
51.	1998	Charlottesville, VA	NYAS Conference, Member, Organizing Committee
50.	1998	New York, NY	Nathan Kline Institute for Psychiatric Research
49.	1997	Edmonton, Alberta, Canada	University of Edmonton, Department of Neurology
48.	1997	Philadelphia, PA	2 nd Computer.-Assisted Neurocartography Workshop, Drexel University
47.	1997	Newark, NJ	Rutgers University, HHMI Program
46.	1996	Philadelphia, PA	NeuroCartography Symposium, Drexel University
45.	1994	Budapest, Hungary	Symp. Chair: "Neurosciences: Decade of the Brain" 2 nd WHMA Conference
44.	1994	Newark, NJ	UMDNJ, Department of Neuroscience
43.	1992	Ste. Adele, Canada	8 th Int. Symp. "Cholinergic Function and Dysfunction"
42.	1992	Newark, NJ	Rutgers University, Neuroscience Center
41.	1991	La Jolla, CA	Scripps Clinic and Res. Found., Dept. Neuropharmacology
40.	1991	College Station, TX	Texas A&M University, Dept. Human Anatomy and Medical Neurobiology
39.	1991	New Orleans, LA	SFN Symp. "Neurotransmitter Interaction and Cognitive Function"
38.	1990	Newark, NJ	Rutgers University, Neuroscience Center
37.	1990	Halifax, Nova Scotia	Dalhousie University, Department of Anatomy
36.	1990	Chicago, IL	Univ. Chicago, Department of Pharmacological and Physiological Sciences
35.	1990	Chicago, IL	Symp. "Basal Forebrain: Anatomy to Function"
34.	1990	London, U.K.	King's College, Department of Anatomy and Human Biology
33.	1990	Cologne, Germany	University Cologne, Department of Anatomy
32.	1989	Charlottesville, VA	University of Virginia, Department of Neurosurgery

31.	1988	Poolesville, MD	NIMH, NIHAC
30.	1988	Toronto, Canada	SFN Symp. "Nomenclature and Concepts of the Cholinergic Basal Forebrain"
29.	1988	Gottingen, Germany	George-August-University, Department of Anatomy
28.	1988	Rindberg Castle, Germany	Symp. "Central Cholinergic Synaptic Transmission"
27.	1988	Breckenridge, CO	Symp. Organizer: "Peptidergic-Cholinergic Interaction"
26.	1987	Charlottesville, VA	University of Virginia, Neuroscience Program
25.	1987	Bethesda, MD	NIH, Clinical Neuroscience Branch
24.	1986	Montreal, Canada	McGill University, Department of Pharmacology
23.	1986	London, U.K.	King's College, Department of Anatomy and Human Biology
22.	1986	London, U.K.	Royal Postgraduate Medical School, Department of Histochemistry
21.	1985	New York, NY	The Rockefeller University, Department of Neurobiology
20.	1985	Chapel Hill, NC	UNC, Department of Neurology
19.	1985	St. Louis, MO	Washington Univ. School of Medicine, Department of Anatomy
18.	1984	La Jolla, CA	The Salk Institute, Lab. Developmental Neurobiology
17.	1984	Irvine, CA	University of California Irvine, Department of Anatomy
16.	1984	Rochester, NY	University of Rochester Med. Center, Department of Anatomy
15.	1982	Charlottesville, VA	University of Virginia, Department of Neurology
14.	1982	Amsterdam, Holland	Vrije Universiteit, Lab. Anatomie
13.	1982	New York, NY	Mount Sinai School of Medicine, Department of Neurology
12.	1982	New Haven, CT	Yale Univ. Med. School, Section of Neurosurgery
11.	1982	Boston, MA	Harvard Medical School, Department of Anatomy
10.	1981	New York, NY	Cornell Univ. Med. College, Laboratory of Neurobiology
9.	1980	Munich, Germany	Ludwig-Maximilians University, Department of Anatomy
8.	1980	Gottingen, Germany	Max Planck Inst. Biophys. Chem. Department of Neurobiology
7.	1980	Budapest, Hungary	28 th Int. Cong.Phys.Sci. Symp.
6.	1979	Jerevan, USSR	Armenian Academy of Sciences, Department of Physiology
5.	1978	Beograd, Jugoslavia	Int. Symp. "Neuroendocrine Regulatory Mechanisms"
4.	1975	Visegrad, Hungary	Int. Symp. "Cell. Mol. Bases of Neuro-Endocrine Processes"
3.	1974	Gottingen, Germany	Max Planck Inst. Biophys. Chem. Department of Neurobiology

2. 1971 Budapest, Hungary 2nd International Conference of Psychoneuroendocrinology
1. 1971 Budapest, Hungary Semmelweis University, 1st Department of Anatomy

PUBLICATIONS

Journal articles (Peer-reviewed)

90. Ovsepien SV, Dolly O, Zaborszky L (2012) Intrinsic voltage dynamics govern the diversity of spontaneous firing profiles in basal forebrain noncholinergic neurons. J Neurophysiol 108: 406-418.
89. Unal CT, Golowasch JP, Zaborszky L (2012) Adult mouse basal forebrain harbors two distinct cholinergic populations defined by their electrophysiology. Front Behav Neurosci 6:1-14 (doi: 10.3389/fnbeh.2012.00021)
88. Buttler T, Blackmon K, Zaborszky L, Wang X, DuBois J, Carlosn Ch, Barr WB, French J, Devinsky O, Kuzniecky R, Halgren E, Thesen T (2012) Volume of the human septal forebrain region is a predictor of source memory accuracy. J Int Neuropsychol Soc 18: 157-161.
87. Bowden DM, Johnson GA, Zaborszky L, Green WDK, Moore E, Badea A, Dubach MF, Bookstein FL (2011) A symmetrical Waxholm canonical mouse brain for NeuroMaps. J Neurosci Methods 195: 170-175
86. Nadasdy Z, Varsanyi P, Zaborszky L (2010) Clustering of large cell populations: Method and application to the basal forebrain cholinergic system. J Neurosci Methods 194:46-55
(doi.org/10.1016/j.jneumeth.2010.04.008)
85. Grothe M, Zaborszky L, Atienza M, Gil-Neciga E, Rodriguez-Romero R, Teipel SJ, Amunts K, Suarez-Gonzalez A, Cantero JL (2009) Reduction of basal forebrain cholinergic system parallels cognitive impairment in patients at high-risk to develop Alzheimer's disease. Cerebral Cortex 20: 1685-1695
(doi:10.1093/cercor/bhp232; Advance Access published November 4, 2009)
84. Hur EE, Edwards RH, Rommer E, Zaborszky L (2009) Vglut1 and Vglut2 synapses on cholinergic neurons in the sublenticular gray of the rat basal forebrain: a double-label electron microscopic study. Neuroscience 164:1721-1731.
83. Zaborszky L, Hoemke L, Mohlberg H, Schleicher A, Amunts K, Zilles K (2008) Stereotaxic probabilistic maps of the magnocellular cell groups in human basal forebrain. NeuroImage 42:1127-1141.
82. Toth A, Gyengesi E, Zaborszky L, Detari L (2008) Interaction of slow cortical rhythm with somatosensory information processing in urethane-anesthetized rats. Brain Res 1226:99-110.
81. Wouterlood FG, Aliane V, Boekel AJ, Hur EE, Zaborszky L, Barroso-Chinea P, Hartig W, Lanciego J, Witter MP (2008) Origin of calretinin-containing, vesicular glutamate transporter 2-coexpressing fiber terminals in the entorhinal cortex of the rat. J. Comp. Neurol. 506:359-370.
80. Gyengesi E, Zaborszky L, Detari L (2008) The effect of prefrontal stimulation on the firing of basal forebrain neurons in urethane anesthetized rat, Brain Res.Bull 75:570-580.
79. Wittner L, Henze DA, Zaborszky L, Buzsaki Gy (2007) Three-dimensional reconstruction of the axon arbor of CA3 pyramidal cell in vivo. Brain Structure and Function 212:75-83.
78. Duque A, Tepper JM, Detari L, Ascoli GA, Zaborszky L (2007) Morphological characterization of electrophysiologically and immunohistochemically identified basal forebrain cholinergic and NPY-containing neurons. Brain Structure and Function 212:55-73.
77. Toth A, Hajnik T, Zaborszky L, Detari L (2007) Effect of basal forebrain neuropeptide Y administration on sleep and spontaneous behavior in freely moving rats. Brain Res Bull 72:293-301.
76. Wittner L, Henze DA, Zaborszky L, Buzsaki Gy (2006) Hippocampal CA3 pyramidal cells selectively innervate aspiny interneurons. Eur J Neurosci 24:1286-1298.
75. Momiyama T, Zaborszky L (2006) Somatostatin presynaptically inhibits both GABA and glutamate release onto rat basal forebrain cholinergic neurons. J Neurophysiol 96:686-694.
74. Zaborszky L, Buhl DL, Pobalashingham S, Bjaalie JG, Nadasdy Z (2005) Three-dimensional chemoarchitecture of the basal forebrain: spatially specific association of cholinergic and calcium binding protein-containing neurons. Neuroscience 136:697-713.
73. Hur E, Zaborszky L (2005) Vglut2 afferents to the medial prefrontal and primary somatosensory cortices: A combined retrograde tracing in situ hybridization study. J Comp Neurol 483:351-373.
72. Toth A, Zaborszky L, Detari L (2005) EEG effect of basal forebrain neuropeptide Y administration in urethane anaesthetized rats. Brain Res Bull 66:37-42.
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