CURRICULUM VITAE

Part I: General Information

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Citizenship: USA

Education:

Year Degree Institution

1972 B.A. (Philosophy) Kenyon College, Gambier, Ohio

1982 Ph.D. (Physiology) George Washington University, School of Arts and Science, Washington,

D.C. (Thesis supervisor, Dr. David O. Carpenter)

1983 M.D. University of Maryland, School of Medicine, Baltimore, Maryland

Postdoctoral Training:

Year	Title	Specialty/Discipline	Place of Training
1983-1984	Post-Doctoral Fellow	Neurophysiology	Univ. of Maryland
		and Pharmacology	School of Medicine,
			Baltimore, Maryland
1984-1985	Swiss N.S.F. and	Neurophysiology	Neuroschirurgische Klinik,
	Fogarty Fellow	and Pharmacology	Universitaatspital, Zurich
			Switzerland
1989-1995	Resident	Psychiatry	Brockton/West Roxbury
			VAMC and Dept Psychiatry,
			Harvard Medical School,
			Brockton, Massachusetts
1998-1999	VA Career Enhancement	Molecular Biology	Div. of Neuroscience
	Award		The Children's Hospital,
			Boston, MA

Licensure:

1992-present Physician, Commonwealth of Massachusetts

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Academic appointments:

YEAR	TITLE	INSTITUTION/HOSPITAL OR AFFILIATED INSTITUTION
1985-1990	Instructor	Department of Psychiatry, Harvard Medical School, Boston,
		Massachusetts
1990-1993	Assistant Professor	Department of Psychiatry, Harvard Medical School
1993-2001	Associate Professor	Department of Psychiatry, Harvard Medical School
2001-present	Professor with tenure	Department of Psychiatry, UTSW
2001-2008	Vice Chairman	Department of Psychiatry, UTSW
2012-present	Visiting Scientist	Department of Molecular Pharmacology, Physiology
		and Biotechnology (MPPB), Brown University
2014-present	Joint Appointment	Department of Neuroscience, UTSW
2014-present	Visiting Scientist	International Institute of Integrative Medicine, Univ.
		Tsukuba, Tsukuba, Japan

Hospital Research/Clinical Appointments:

1985-2001	Research Neurophysiologist	Veterans Administration Medical Center, Brockton,
		Massachusetts
1986-2001	Section Chief, in Vitro	Department of Psychiatry, Harvard Medical
	Neuroscience Laboratory	School and Brockton VAMC
1995-2001	Director	Department of Psychiatry, Harvard Medical School
	Division of Basic Sciences	and Brockton VAMC
	Neuroscience Laboratory	
1995-2001	Staff Psychiatrist	Brockton/West Roxbury VAMC
2001-2005	Associate Chief of Staff	VAMC Dallas TX
	for Mental Health	
2005-2018	Director,	VAMC Dallas TX
	National Clozapine	
	Coordinating Center	

Hospital Clinical Responsibilities (at VAMC, Brockton, MA & VAMC, Dallas, TX):

1995-2001	Outpatient mental health clinic psychopharmacological consult and medical backup
1995-2001	Medical supervision of residents in outpatient psychiatry
1995-2001	Medical backup for on call Psychiatry residents (2X/mo)
1997-2001	Psychiatry Emergency Room attending physician
2001-2005	Associate Chief of Staff, Mental Health, Dallas VAMC, serving more than 14,000 MH pts
2005-2018	Director for National Clozapine Coordinating Center & National consultant for Dept of VA
	on clozapine pharmacotherapy

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Major Committee Appointments: Harvard Medical School:

Committee

Harvard Med	lical School:		
Year	Committee	Institu	tion/Hospital or Affiliated Institution
1993-1994	Task Force on Biological	Mass.	Mental/ Brigham
	Mechanisms Program for	& Wor	men's Hospital
	Psychiatry residents		
1995-2001	Promotions Committee	Brockt	con/ West Roxbury affiliated faculty and staff
UTSW			
Year	Committee	Institu	tion/Hospital or Affiliated Institution
2001-2008	Executive Committee	UTSW	T .
2001-present	Basic Science Faculty Committee	UTSW	T .
2001-present	Appointments and Promotions	UTSW	7
	Committee		
2017-Present	Peter O'Donnell Brain Institute	UTSW	T.
	Sleep and Circadian Rhythms		
	Program		
VA: Brockton	n/West Roxbury, MA:		
Year	Committee	Institu	tion/Hospital or Affiliated Institution
1986-1989	Animal Studies Subcommittee	Brockt	con/West Roxbury VAMC
1989-1992	Chairman, Animal Studies	Brockt	on/West Roxbury VAMC
	Subcommittee		
1989-1992,	Research and Development	Brockt	con/West Roxbury VAMC
1996-1997	Research and Development	Brockt	con/West Roxbury VAMC
VA: Dallas T	X :		
Year	Committee	Institu	tion/Hospital or Affiliated Institution
2001-2002	Information Management Committee	:	Dallas VAMC
2001-2005	Deans Committee		Dallas VAMC
2001-2005	Professional Standards Board		Dallas VAMC
2001-2005	Health Standards Board		Dallas VAMC
2001-2005	Executive Committee of the Medical	Staff	Dallas VAMC
2001-2005	Physician FTEE Sub-committee		Dallas VAMC
2001-2010	Recruitment Committee		Dallas VA
2001-2018	Promotions Committee		Dallas VAMC
National:			
Year	Committee	Institu	tion/Hospital or Affiliated Institution
1992-2001	Program planning committee	Sleep l	Research Society (National Meeting)
	ad hoc scientific review		
1995-1997	Sleep Research Society	Execut	tive Committee member (at large)
1997-2001	Sleep Research Society Training	Sleep l	Research Society and Association of
	and Educational Advisory	Profess	sional Sleep Societies
	a		

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Year	Committee	Institution/Hospital or Affiliated Institution	
1998-2018	Advisory Board to the National	National Institutes of Health	
	Center on Sleep Disorders, ex-officio		
	Member as national representative f	or	
	The Department of Veteran Affairs		
2001-2007	Society for Neuroscience	Society for Neuroscience	
	Program Committee (2 terms)		
2004-2007	Society for Neuroscience	Society for Neuroscience	
	Program Committee Theme Chair,		
	Neurobiology of Disease		
2004-2006	Sleep Research Society,	Sleep Research Society and Association of	
	Section Head, Basic Research	Professional Sleep Societies	
2006-2009	NIH Biological Rhythms and	NIH, Center for Scientific Review	
	Study Section		
2007-2009	Chair, Biological Rhythms and	NIH, Center for Scientific Review	
	Sleep Study Section		
2007-2008	Board of Directors	Sleep Research Society	
2007-2008	Liaison to Board of Directors	Communication Committee for SRS	
2008-2011	Society for Neuroscience,	Society for Neuroscience	
	Chair (incoming, active, outgoing),		
	Program Committee		
2011	Fed. of European Neuroscience	Federation of European Neuroscience	
	Program Committee (SFN represent	•	
2013-2016	Assoc. of Professional Sleep Soc.	APSS	
	Program Committee		
2013-2016	American College of NeuroPsych.	ACNP	
	Program Committee		
2015-Present		Society for Neuroscience	
	Communication Committee		
2018-2022	PECC; Chair (incoming, active,	Society for Neuroscience	
	outgoing)		

Professional Societies:Vegr. Society

Year	Society	Role	
1984-1985	European Neuroscience Association		member
1988-present	European Neuroscience Association		member
1985-present	Society for Neuroscience		member
1986-present	American Association for		member
	the Advancement of Science		
1986-present	Sleep Research Society		member
1986-present	Association of Professional Sleep So	c.	member

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2000-2018 American College of Fellow

Neuropsychopharmacology

2018-present American College of Emeritus

Neuropsychopharmacology

2018-present Dana Alliance for Brain Initiatives Member

Editorial Board and Review Service:

Ad hoc reviewer:

Archives of General Psychiatry, Behavioral Brain Research, Biological Psychiatry, Brain and Behavior, Brain Research, British Journal of Pharmacology, Cell, eLife, European Journal of Neuroscience, European Journal of Pharmacology, European Journal of Physiology, Harvard Review of Psychiatry, Hippocampus, Journal of Clinical Investigation, Journal of Comparative Neurology, Journal of Pharmacology and Experimental Therapeutics, Journal of Neuroscience, Journal of Neurophysiology, Journal of Physiology, Molecular Psychiatry, Physiology& Behavior, PloS Biology, Proceedings of National Academy of Science, Nature, Nature Medicine, Nature Neuroscience, Neuropharmacology, Neuron, Neuroscience, Neuroscience Letters, Science, Sleep

Editorial Boards:

Year	Role	Organization/Journal
1998-present	member	Hippocampus
2000-2004	member	British Journal of Pharmacology
2001	special issue editor	Special Issue of Schizophrenia
		Hippocampus Volume 11, No. 5, 2001
2004-2016	member	Sleep
2007-2012	Associate Editor	Journal of Neuroscience
2007-2019	member	Current Molecular Pharmacology
2015-present	member	Neuropharmacology
2016-present	member	Neurobiology of Sleep and Circadian Rhythms
2016-2020	member	Scientific Reports
2018-Present	Associate Editor	Frontiers in Neuroscience: Sleep and Circadian Rhythms

GRANT REVIEW

1997	ad hoc member	VA merit review
1997,'98,'99	ad hoc member	NIH, Neurochemistry and Neuropharmacology section
1998	ad hoc member	NIDA, Neuropharmacology section
1999	member	NIH/NHLBI National Center for Sleep Disorders special review
		committee for RFA on "Molecular Biology of Sleep"
2001-2010	member	NIH/NHLBI National Center for Sleep Disorders special emphasis
		panel (2x/yr on average)
2006-2009	member & Chair	NIH/CSR Study Section for Brain Rhythms and Sleep
2011 & 13	member	Eureka Grant Study Section

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2018-2019	member	NIDA Research Center of Excellence Grant Program (P50) Study
		Section
2018	member	ZRG1 IFCN-C (55) R Special Emphasis Panel & 2019/01 ZRG1
		IFCN-L (02)

Awards and Honors:

1984	Swiss National Science Foundation Fellowship (Fogarty Fellowship)
1998	Dept of Veterans Affairs Career Research Enhancement Award
2001	Sherry Knopf Crasilneck Chair in Psychiatry, In Honor of Albert Knopf
2004	Sherry Knopf Crasilneck Distinguished Chair in Psychiatry
2007	Sherry Gold Knopf Crasilneck Chair in Psychiatry, in honor of Mollie and Murray Gold
2016	Membership in The Dana Alliance for the Brain
2018	Invited speaker, Gordon Research Conference: Sleep Regulation and Function

II. Report on Research:

1. Major Research Interests:

- a. Molecular, cellular and circuit neurobiology of behavioral state (wake/sleep) control & function
- b. Molecular, circuit and systems neurobiology of psychiatric disorders

2. Research Funding Information:

Years Covered	Funding Source	Role	Grant Type/Title
1988-91	V.A.	PI	Merit Review Award, "Cellular mechanisms of
			behavioral state control"
1991-93	VA	PI	Merit Review Award Renewal, "Serotonergic Control
			of Cholinergic Arousal Centers"
1993-98	VA	co-PI	Merit Review Award Renewal, "Brainstem
			mechanisms of Behavioral State Control"
1994-99	VA	PI	Merit Review Award Renewal, "Adenosine
			modulation of Cholinergic Arousal Centers:
			Implications for behavioral State Control
1995-00	VA	PI	Research Center for Basic Science and Clinical
			Studies of Schizophrenia, Project 1, "Cellular
			mechanisms of Schizophrenia" (Director, RW
			McCarley)
1998-03	NIH/NHLBI	PI	P50(SCOR): Harvard Center on Sleep Neurobiology
			and Sleep Apnea, (David White Program Director)
			project 4: Nicotinic modulation of hypoglossal
			neurons
1999-04	VA	PI	Merit Review Award Renewal," Adenosine
			modulation of cholinergic arousal centers"

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2000-05	NIMH	PI	Silvio Conte Center for the Neuroscience of Chronic Mental Disorders, "Glutamate Dysfunction and Schizophrenia" (Joseph Coyle Program Director) Project 3: Hippocampal recurrent inhibition and N Acetyl-Aspartyl Glutamate
2003-08	NIMH	PI	RO1, "The role of adenosine in the transition from wake to sleep"
2005-09	VA	PI	Merit Review Award Renewal," Adenosine modulation of cholinergic arousal centers"
2006-11	NIMH	PI	Silvio Conte Center for the Neuroscience of Chronic Mental Disorders, "Glutamate Dysfunction and Schizophrenia" (Joseph Coyle Program Director) Projects 2&3
2007-12	NIMH	PI	RO1, "Dopamine Modulation of NMDA Receptor Synaptic Responses"
2010-15	NIMH	PI (sub-awar	d)Role of NMDA receptors in awake-state thalamocortical slow waves
2012-17	NINDS	PI	RO1, "Glial Control of the Homeostatic Sleep Response"
2014-24	WPI-IIIS	PI	RO1, "Role of adenosine as a mediator of homeostatic sleep need"
2015-2020	VHA	Mentor	(CDA) Mechanisms of sleep deprivation induced drug seeking (awarded to Dr. Theresa Bjorness)
2015-2018	VHA	PI	Merit Review, "Functional Consequences of Adenosine-Mediated Changes in Homeostatic Sleep Need"
2017-2022	NINDS	PI	RO1, "Sleep and the Functional Genomics of Synaptic Modulation"
2018-2023	NHLBI	PI	T32 Training Grant: "The Cellular and Systems Biology of Sleep and Circadian Rhythms"

III. Report of Teaching:

a. Medical School Course

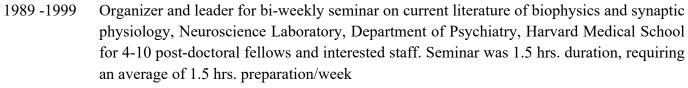
1983-1984 Seminar leader for medical school course in pharmacology, University of Maryland, School of Medicine

10-20 medical students- year 2; 1hr seminar every week for one-year course

b. Graduate Medical Course

Director of post-doctoral training of post-doctoral fellows in the in vitro section of the Neuroscience Laboratory, Department of Psychiatry, Harvard Medical School Supervisory role; number of fellows range from 3-5 at any particular time

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- 1990 Lecturer on mechanisms of accommodation and long-term potentiation in the central nervous system, Brockton VAMC, Department of Psychiatry, Harvard Medical School for all South Shore Psychiatry Residents and Attendings. Lecture was 1.5 hr. in duration
- Organizer and leader of short course on in vitro brain slice technique for the National Multisite Sleep Research Program at UCLA and the Sepulveda, CA. VAMC. This was attended by 30-40 graduate students, post-doctoral fellows and senior researchers from laboratories in the US. The course included lectures and lab demonstrations over a one-day period, requiring 2 weeks preparation.
- Group leader and participant in Annual Summer Sleep Workshop, UCLA, Lake Arrowhead, CA. Attendance by national group as above for a series of seminars, and small group meeting during the course of the meeting requiring 2 weeks of preparation.
- 1990 1991 Lecturer on basic biophysics and electrophysiology of nerve cells, Department of Biophysics, Johannes-Gutenberg University, Mainz and the Institute of Physiology, Dusseldorf University, Dusseldorf, Germany. This was attended by graduate students, post-doctoral fellows and faculty of the department and involved a series of 3 seminars of 1.5 hrs. duration each and requiring 2 weeks of preparation.
- Organizer and Lecturer of Basic Neuroscience Course for psychiatry residents and staff, Department of Psychiatry, Harvard Medical School, at the Brockton VA Medical Center, Brockton, MA, for all South Shore Psychiatry Residents and Staff. A series of 8 lectures over the course of 2 semesters, 1.5 hrs. duration each. Each lecture required at least 6 hrs. of preparation.
- Organizer and Lecturer of Neuroimaging Course for psychiatry residents and staff, Department of Psychiatry, Harvard Medical School, at the Brockton VA Medical Center, Brockton, Ma. Invited lecturers from the Harvard Psychiatry and Radiology departments provided a series of talks for the South Shore Psychiatry Residency Program over the course of one year. The time required for organization and preparation was similar to the Basic Neuroscience Course.
- Organizer and Lecturer for "Basic Neuroscience of Psychopharmacology" Course for psychiatry residents and staff, Department of Psychiatry, Harvard Medical School, at the Brockton VA Medical Center, Brockton, Ma. This course was organized as a series of 8 seminars, of 1 hr. duration. Each was led by either myself, one of the post-doctoral fellows or instructors in the Neuroscience Laboratory. The fellows and instructors consulted with me on each lecture in an effort to make explicit the clinical relevance of the neuroscience principles presented in each seminar. Additionally, beginning in 1999, my laboratory organized and provided a syllabus of the pertinent readings for each of the seminars which was well received by the residents.

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1007	I to for IDMC 1 to 1 .
1996	Lecturer for HMS research track medical students (approximately 30 second-year students),
	two lectures: Bipolar Disorder and PTSD with patient presentation. Each lecture and
1007	presentation were 2 hr. duration, requiring about 2 weeks of preparation each.
1997	Lecturer for HMS research-track medical students on Opioids, Cocaine and Alcohol Drug
1000	Abuse. This was similar to the 1996 course.
1999	Invited lecturer to "Meet the Professor" session sponsored by the Association of Professional
	Sleep Societies at APSS national meeting. This was a 2hr discussion attended by 4 senior
	researchers from US sleep laboratories, requiring 2 hrs. of preparation.
2001-2002	Lecturer for UTSW year 1 medical student lecturer in Brain & Behavior: Neurobiology of
	Schizophrenia
2001-2004	Lecturer for UTSW PGY2 Resident course; Neurobiology of Schizophrenia
2001-2004	Lecturer for UTSW PGY3 Resident course; Cognitive Pathophysiology of Schizophrenia
2001-2011	Lecturer for UTSW Neurosciences Graduate Students course; Purinergic and Histamine
	systems & Neurobiology of Sleep (part of Neuropharmacology course for Grad Program)
2006-2012	Organizer and lecturer for UTSW & Dallas VA; Psychopharmacology Academic Case
	Reports for PGY2,3&4 – assist Residents in topic selection, scholarly research and case
	report style presentation, moderate presentation and discussion (monthly)
2006-2018	lecturer for UTSW Resident research tract seminar series and for Advanced Neurosciences
	series
2008-2017	lecturer for UTSW PGY3 Resident course; Neurobiology of Sleep
2008-2011	Course Director and lecturer for UTSW Neuropharmacology (semester course for graduate
	students in the Neuroscience Graduate Program)
2010-present	Lecturer for Core Neuroscience Graduate Program "Fundamentals of Neuroscience" course
2012-2016	Psychopharmacology Academic Case Reports for PGY2,3&4 – assist Residents in topic
	selection, scholarly research and case report style presentation, moderate presentation and
	discussion (monthly)
2014-Present	Lecturer for core course for Integrative Physiology Graduate Program "Neurobiology of
	Sleep"
2019-Present	Organizer of Sleep and Cricadian Rhythms Training Program Translational Seminar Series

Advisees or Trainees

<u>Duration</u>	<u>Name</u>	<u>Current Position</u>
1988-1991	Urs Gerber, M.D.	Prof., Univ. of Zurich, Switzerland
1989-1992	David Stevens, Ph. D	Res. Assoc. Univ of Saarland, Germany
1990-1992	Jennifer Leubke, Ph.D.	Assoc. Prof., Boston Univ. School of Medicine
1991-1993	Suzanne Birnstiel, Ph.D.	Res. Assoc., Dept. of Physiology, Northwestern Univ.
1993-1997	Donald Rainnie, Ph.D.	Assoc. Prof, Emory University, Dept. of Psychiatry
1995-1997	Heinz Grunze, M.D.	Assoc. Prof., Ludwig-Maximilians-University, Germany
1996-1998	Xiangyang Li, M.D.	Instructor, Harvard Med. School, Dept of Psychiatry (Current
		ukn)
1997-1998	Torsten Meyer	Medical Student, Magdeberg Univ., Germany (current ukn)

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1997-1999	Stephen Morairty, Ph.D.	Staff researcher position at the Stanford Research Institute,
	1 37	sleep research center
1997-2000	Richard Bergeron, M.D.	Assoc. Prof., Univ. Ottawa
1997-2001	Elda Arrigoni, Ph.D.	Assistant Prof, Department of Neurology, Harvard Med.
		School, Dept. of Psychiatry
1999-2001	Navita Kaushal, Ph.D.	Post-Doctoral Fellow, Harvard Med. School, Dept.
		Psychiatry (current ukn)
2000-2002	Dario Brambillia	Faculty, Institute of Human Physiology
		University of Milan School of Medicine, Milan, Italy
2001-2003	Patrick Ronan, Ph.D.	Assistant Professor, Univ of South Dakota
2003-2005	Tarek Rajii, M.D.	Fellow in Geriatric Psychiatry, Univ. Toronto, CA
2003-2005	Tianshu Gao, Ph.D.	Ukn
2003-2005	David Chapman, Ph.D.	Pharmaceutical Industry Position
2003-2005	Christi Kelly	Graduate Student UTD
2003-2005	Victor Galanis	Received MS from UTSW, Lecturer at Com. College
2006-2007	Silke Hirsch, Ph. D	Pharmaceutical Industry Position, Germany
2005-2009	Leah Leverich, PhD	Post-doctoral Fellow, Univ. Colorado, Boulder, CO
2005-2009	Juan Valera, Ph.D.	Assistant Professor (research track), Univ. Colorado,
		Boulder, Co
2008-2014	Theresa Bjorness	Post-Doctoral Fellow, UTSW
2008-2011	Nanda Regmi, Ph.D.	Post-Doctoral Fellow, UTSW (now in Dept Medicine)
2008-2013	Ayako Suzuki, Ph.D.	Post-Doctoral Fellow, UTSW (co-supervised w/ Masashi
		Yanagisawa)
2010-2009	Paula Canas, Ph.D.	Instructor, Center for Neuroscience and Cell Biology, Univ of
		Coimbra, Portugal
2011-2013	Caroline Smith, Ph.D.	Instructor, Dept. Psychiatry, UTSW; now Professor NTX
		Community College
-	Ayako Suzuki, Ph.D.	Assistant Instructor, Dept. of Psychiatry, UTSW
2013-2019	Alex Sonneborn	Post-doctoral Fellow, Vollum Inst. OHSU
=	Theresa Bjorness, PhD.	Assistant Professor, Dept. of Psychiatry, UTSW
-	• •	n.D. Assistant Professor, Dept. of Psychiatry, UTSW
2017-2018	Richa Pandy, Ph.D.	Research Associate, Dept. of Psychiatry
2017-2020	Fatma Ayhan, Ph.D.	Post-Doctoral Fellow, Dept. of Psychiatry
-	Ashwinikumar Kulkarni	Instructor, Dept. of Neuroscience
-	Richa Pandy, Ph.D.	Research Assoc., Dept. of Psychiatry
2020-present	Mantre Dehnad, M.D.	Post-Doctoral Fellow, Dept. of Psychiatry

Thesis Committee

<u>Duration</u>	<u>Name</u>	Location
1998-2001	Stephanie Gauss	Dept. Neurology (Beth Israel Hospital), HMS
1999-2001	Thomas Chou	Dept. Neurology (Beth Israel Hospital), HMS
2003-2006	Bogachan Sahin	Neuroscience Graduate Program, UTSW

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2003-2007	David R. Benavides	MD., PhD. Program & Neuroscience Graduate Program, UTSW
		(committee chair)
2004-2008	Michael Donovan	Neuroscience Graduate Program, UTSW
2006-2008	Michele Noonan, PhI	D. Neuroscience Graduate Program, UTSW
2005-2009	Leah Leverich, Ph.D.	Neuroscience Graduate Program, UTSW (Thesis Advisor)
2009-2011	Allen Tsai, PhD	Cell Biology Graduate Program, UTSW
2010-2013	Ivan Lee, PhD	Cell Biology Graduate Program, UTSW
2010-2013	Makito Sato, PhD	Cell Biology Graduate Program, UTSW
2013-2019	Alex Sonneborn, PhI	Neuroscience Graduate Program, UTSW (Thesis Adviser)

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Publications:

Articles in Journals:

1. Stanton, G.B. and **Greene, R.W.** Brain stem afferents to the periabducens reticular formation (PARF) in the cat. An HRP study. *Exp. Brain Res.* 1981; 44:419-426.

- 2. **Greene, R.W.** and Carpenter, D.O. Biphasic responses on mammalian reticulospinal neurons. *Cellular and Mol. Neurobiol.* 1981; 1(4):401-405.
- 3. Haas, H.L. and **Greene, R.W.** Adenosine enhances afterhyperpolarization and accommodation in hippocampal pyramidal cells. *Pflugers Arch.* (Eur. J. Physiol.) 1984; 402:244-247.
- 4. Haas, H.L., **Greene, R.W.** and Olpe, H.R. Stereoselectivity of L-Baclofen in hippocampal slices of the rat. *Neurosci. Letts.* 1985; 55:1-4.
- 5. Fowler, J., **Greene**, **R.W.**, Weinreich, D. Two calcium sensitive spike after-hyperpolarization in visceral sensory neurons of the rabbit. *J. Physiol.* 1985; 365:59-75.
- 6. **Greene, R.W.** and Haas, H.L. Adenosine actions on CA1 pyramidal neurons in rat hippocampal slices. *J. Physiol.* 1985; 366:119-127.
- 7. **Greene, R.W.** and Carpenter, D.O. Neurotransmitter receptors on pontine medial reticular formation neurones. *J. Neurophysiol.* 1985; 54:520-531.
- 8. Haas, H.L. and **Greene, R.W.** Long-term potentiation and 4-aminopyridine. *Cellular and Mol. Neurobiol.* 1985; 5:297-301.
- 9. **Greene, R.W.**, Haas, H.L. and Hermann, A. Effects of caffeine on hippocampal pyramidal cells in vitro. *British J. of Pharm.* 1985; 85:163-169.
- 10. Haas, H.L. and **Greene, R.W.** Effects of histamine on hippocampal pyramidal cells of the rat in vitro. *Exp. Brain Res.* 1986; 62:123-130.
- 11. **Greene**, **R.W.**, Haas, H.L. and McCarley, R.W. A low threshold calcium spike mediates firing pattern alterations in pontine reticular neurons. *Science*. 1986; 234:738-740.
- 12. Van Loveren, H.R., Haas, H.L., **Greene, R.W.**, Siegfried, J. A simple in vitro method to study the trigeminal ganglion. *Appl. Neurophysiol.* 1986; 49:147-154.
- 13. Haas, H.L., Hermann, A., **Greene, R.W.** and Chan-Palay, V. Action and location of neuropeptide tyrosine (Y) on hippocampal neurons of the rat in slice preparations. *J. Comp. Neurol.* 1987; 257:208-215.
- 14. **Greene**, **R.**, Fowler, J., MacGlashan, D., Weinreich, D. IgE-challenged human lung mast cells excite vagal sensory neurons in vitro. *J. Appl. Physiol.* 1988; 64(5):2249-2253.
- 15. Haas, H.L. and **Greene, R.W.** Endogenous adenosine inhibits hippocampal CA1 neurones: further evidence from extra- and intracellular recordings. *Naunyn-Schmiedeberg's Arch. Pharmacol.* 1988; 337:561-565.
- 16. Haas, H.L., **Greene, R.W.**, Reiner, P.B. The brain histamine system in vitro. *J. Neurosci. Methods*; 1989; 2871-75.
- 17. **Greene, R.**, Gerber, U., McCarley, R. Cholinergic activation of medial pontine reticular formation neurons in vitro. *Brain Res.* 1989; 476:154-159.
- 18. Gerber, U., **Greene, R.**, McCarley, R. Repetitive firing properties of medial pontine reticular formation neurones of the rat recorded in vitro. *J. Physiol.* 1989; 410:533-560.

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19. Gerber, U., **Greene, R. W.**, Haas, H. L., Stevens, D.R. Characterization of inhibition mediated by adenosine in the hippocampus of the rat in vitro. *J. Physiol.* 1989; 417:567-578.

- 20. **Greene, R. W.** and Haas, H. L. Effects of histamine on dentate cells in vitro. *Neurosci.* 1990; 34:299-303.
- 21. **Greene, R. W.**, Haas, H. L. and Reiner, P. B. Two transient outward currents in histamine neurones of the rat hypothalamus in vitro. *J. Physiol.* 1990; 420:149-163.
- 22. Gerber, U., **Greene, R. W.**, McCarley, R. W., Haas, H. L. Excitation of brainstem neurons by noradrenaline and histamine. *J. Basic Clin. Physiol. Pharmacol.* 1990; 1: 71-76.
- 23. **Greene, R.W.** and Haas, H.L. The electrophysiology of adenosine in the mammalian central nervous system. *Prog. in Neurobiol.* 1991; 36: 329-341.
- 24. Gerber, U., Stevens, D.R., McCarley, R.W. and **Greene, R.W.** Muscarinic agonists activate an inwardly rectifying potassium conductance in medial pontine reticular formation neurons of the rat in vitro. *J. Neurosci.* 1991 11: 3861-3867.
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