

Predoctoral & Postdoctoral Trainees of Bertil Hille (01/24/2017) (75 Trainees)

Trainee Name	Pre- or Post-doc	Training Period	Grad. Degree, Year, Institution	Research Topic	Current Position
Past Trainees					
Woodhull-McNeal, Ann M.	Pre	1967-1972	Ph.D. 1972 U. Washington, Seattle	Proton block of Na channel	Prof. (ret.), Physiology, Sch. Nat. Sci., Hampshire College, MA
Ridaura, Rosalia	Pre	-1973	Ph.D. 1973 U. Washington, Seattle	Ion selectivity of amphotericin B	Prof. Emeritus, Physics, Lab of Biophysics, UNAM, Mexico City
Courtney, Kenneth R.	Pre	1967-1974	Ph.D. 1974 U. Washington, Seattle	Use-dependent block of Na channels by local anesthetics	Prof., Palmer Coll. Chiropractic, San Jose, CA, and Lecturer, Psychol., Santa Clara Univ., CA
Campbell, Donald T.	Pre	1969-1974	Ph.D. 1974 U. Washington, Seattle	Vaseline-gap voltage clamp for skeletal muscle	Last known: Assoc. Prof. Sch. Pharmacy, Oregon State U., Newport, OR
Strichartz, Gary R.	Post	1970-1972	Ph.D. 1970 U. Penn. Philadelphia, PA	Block of Na channels by quaternary local anesthetics	Prof., Anesthesia Dept., Harvard U. Med. Sch., Boston, MA
Cahalan, Michael D.	Pre	1970-1974	Ph.D. 1974 U. Washington, Seattle	Actions of scorpion toxin on Na channels of node	Prof. and Chair, Dept. of Physiology and Biophysics, U. Calif., Irvine
Chiu, Shing-Yan Bill	Pre	1973-1977	Ph.D. 1977 U. Washington, Seattle	Kinetics of inactivation of Na channels of node	Prof., Physiology Dept., U. Wisconsin, Madison, WI
Begenisich, Ted B.	Post	1974-1975	Ph.D. 1974 U. Maryland College Park, MD	Fluctuations in K channels of node	Prof. Emeritus, Pharmacology and Physiology Dept., U. Rochester Med. School, NY
Spalding, Bruce C.	Pre	1974-1978	Ph.D. 1978 U. Washington, Seattle	Modification of Na channels by TMO	Prof. and Chair, Dept. Biology and Chemistry, Azusa Pacific U., Azusa, CA
Palade, Philip T.	Post	1976	Ph.D. 1976 U. Penn. Philadelphia, PA	Block of Na channels by local anesthetics	Prof., Pharmacol. and Toxicol., U. Arkansas for Med. Sciences, Little Rock, AR
Schwarz, Wolfgang	Post	1976-1977	Ph.D. 1976 U. Saarland, Germany	Single-file diffusion in K channels	Prof., Cell Physiology, M.P.I. Biophysics, Frankfurt, Germany, and Prof., Fudan U. Res. Ctr. Acupuncture & Meridians, Shanghai, P.R China
Dwyer, Terry M.	Post	1977-1979	M.D, Ph.D. 1977 U. Rochester, Rochester, NY	Ion selectivity of nicotinic ACh receptors	Prof. Physiol. and Biophysics Dept., and Med. Div. of Pulmonary, Crit. Care & Sleep Med., U. Mississippi Med. Ctr., Jackson, MS
Blatz, Andrew L.	Pre	1977-1982	Ph.D. 1982 U. Washington, Seattle	Proton block of inward rectifier K channels	Co-founder & CSO, Photoswitch BioSciences, Inc., San Francisco, CA

Adams, David J.	Post	1978-1980	Ph.D. 1978 U. New South Wales, Australia	Ion selectivity of nicotinic ACh receptors	Prof.; Exec. Dir. & CEO, also Principal Investigator, Illawarra Health & Med. Res. Inst. (IHMRI), U. Wollongong, NSW, Australia
Sutro, Jeffrey B.	Pre	1979-1984	Ph.D. 1984 U. Washington, Seattle	Veratridine modification of Na channels	Optometrist, Lynnwood, WA
Sanchez, Jorge A.	Post	1980-1982	M.D., Ph.D. 1980 UNAM, Mexico City	Permeation and block of nAChR channels	Prof., Pharmacology Dept., IPN, CINVESTAV, Mexico City
Dani, John A.	Post	1980-1982	Ph.D. 1980 U. Minnesota, Minneapolis	Permeation and block of nACh receptors	Prof. & Chair, Neuroscience Dept.; Perelman Sch. of Med.; Director, Mahoney Inst. for Neuroscience, U. Pennsylvania, Philadelphia, PA
Siemen, Detlef	Post	1982-1983	Ph.D. 1980 U. Kiel, Germany	Permeation and block of nAChR channels	Prof. Dr., Neurology Dept., Otto-von-Guericke U. Med. Sch. Hosp., Magdeburg, Germany
Taylor, Paul S.	Post	1982-1984	Ph.D. 1982 U. Bristol, U.K.	Ion selectivity of transient K channels	Last known: Science Writer, Oxford Clinical Communications, UK
Pfaffinger, Paul J.	Pre	1982-1987	Ph.D. 1987 U. Washington, Seattle	Modulation of K channels by muscarinic AChR	Prof., Neuroscience Dept.; Prof., Molec. Physiol. & Biophys., Baylor Coll. Med., Houston, TX
Woll, Karl	Post	1983-1985	Ph.D. 1983 U. Saarland, Homburg, Germany	Anion channel of skeletal muscle	Scientist, State Off. Consumer Protect., Vet. Med., Food Control & Molecular Biol., Saarbrücken, Germany
Leibowitz, Mark D.	Post	1983-1987	Ph.D. 1983 U. California, San Diego	Action of veratridine on Na channels	Consultant to start ups, San Diego, CA
McBride, Donald W.	Post	1985-1986	Ph.D. 1981 U. California Los Angeles	Software for patch-clamp data acquisition	Last known: Assoc. Prof., Physiol. and Biophys. Dept., U. Texas, Galveston
Barnes, Steven A.	Post	1985-1989	Ph.D. 1985 U.C. Berkeley	Channels in vertebrate photoreceptors	Prof., Physiology and Biophysics Dept., and Retina & Optic Nerve Res. Lab, Dalhousie U., Halifax, Canada
Yang, Jian	Pre	1987-1991	Ph.D. 1991 U. Washington, Seattle	Actions of 5-HT ₃ receptors	Prof., Biol. Sciences Dept., Co-Director Graduate Studies, Columbia U., NY and Prof. and Dir., Ion Channel Res. & Drug Dev. Ctr., Kunming Inst. Zoology, Chinese Acad. of Sciences, Kunming
Bosma, Martha M.	Post	1987-1991	Ph.D. 1986 U.C.L.A.	Signaling in pituitary cell lines	Prof., Biology Dept., U. Washington, Seattle
Beech, David J.	Post	1988-1990	Ph.D. 1988 London U., U.K.	Modulation of Ca channels in neurons	FMEdSci; Prof., Cardiovascular Sci.; Director, Cardiovascular Res. Ctr., School of Med., U. Leeds, Leeds, UK

Bernheim, Laurent	Post	1988-1991	M.D. 1984 U. Geneva, Switzerland	Modulation of Ca channels in neurons	Prof., Physiology Dept., Central Med. U., Geneva, Switzerland
Mathie, Alistair	Post	1989-1991	Ph.D. 1985 U. Leicester, U.K.	Modulation of Ca channels	Prof., Pharmacol. & Cell Biol.; Head, Biological Sciences; Dir., Research, Medway School of Pharmacy, Medway Universities of Greenwich and Kent, Chatham Maritime, Kent, U.K
Wollmuth, Lonnie P.	Pre Post	1989-1992 1992-1993	M.S. 1983 Portland St. U., Portland, Oregon; Ph.D. 1992 U. Washington, Seattle	Biophysics of channels in photoreceptors	Prof., Neurobiol. and Behavior Dept., SUNY, Stony Brook, NY
Mackie, Kenneth P.	Post	1990-1992	M.D. 1984 Yale U., New Haven, CT	Modulation of ion channels by cannabinoid receptors	Endowed Gill Chair in Neuroscience; Prof., Psychological & Brain Sciences; Steering Cmte. Dir., Gill Ctr. for Biomolecular Science, Indiana U., Bloomington, IA
Tse, Amy M.	Post	1990-1994	Ph.D. 1989 U. Calgary, Alberta, Canada	Control of pituitary gonadotropes	Prof., Pharmacology Dept., and Member of Ctr. for Neurosci., U. Alberta, Edmonton, Canada
Park, Young-Bae.	Pre	1991-1995	M.D. 1980 Seoul Natl. U., Korea; Ph.D. 1995 U. Washington, Seattle	Ca-activated K channels	Last known: Physician, Korea
Shapiro, Mark S.	Post Post	1991-1995 1998-2000	Ph.D. 1991 Rush U., Chicago, IL	Modulation of Ca channels in neurons	Prof., Physiology Dept., U. Texas Health Sci. Ctr., San Antonio, TX
Viana, Felix	Post	1992-1993	M.D. 1983 U. Santiago, Spain; Ph.D. 1992 U. Washington, Seattle	Modulation of channels in the CNS	Tenured Investigator, Inst. Neurociencias, U. M. Hernandez de San Juan, Alicante, Spain
Tse, Fred W.	Post	1992-1994	Ph.D. 1987 U. Toronto, Ontario, Canada	Exocytosis in pituitary gonadotropes	Prof., Pharmacology Dept., and Member of Ctr. for Neurosci., Univ. Alberta, Edmonton, Canada
Herrington, James B.	Post	1992-1995	Ph.D. 1992 Florida State U., Tallahassee	Activation of anterior pituitary cells by peptides / Calcium dynamics in chromaffin cells	Sr. Res. Investigator, Bristol-Myers Squibb, Greater New York Area
Iwata, Akiko	Post	1992-1996	Ph.D. 1986 Nagoya U., Japan	Calcium-binding proteins in pituitary cells	Staff Scientist, Basic Sci. Div., Fred Hutchinson Cancer Research Center, Seattle
Billiard, Julia	Pre Post	1992-1997 1997-1999	M.S. 1990 Leningrad Polytech. Inst., Russia; Ph.D. 1997 U. Washington, Seattle	Hormonal regulation of pituitary gonadotropes	Clinical Dev. Mgr., R&D Proj. Clinical Platforms & Sci., Glaxo Smith Kline Pharmaceuticals, Collegeville, PA
Golard, Andre G.	Post	1994-1995	Ph.D. 1990 New York U., NY	Calcium dynamics in gonadotropes	Last known: President, Aegeon Inc., Seattle WA
Hehl, Solveig	Post	1994-1995	Ph.D. 1993 U. Homburg, Homburg, Germany	Calcium dynamics in gonadotropes	Vice President of Sales, Asia & Pacific, Carl Zeiss GmbH, Jena, Germany

Zhou, Jiuying	Post	1994-1996	Ph.D. 1992 Yale U., New Haven, CT	Modulation of calcium channels in neurons	Group Leader, Celgene Research, San Diego, CA
Koh, Duk-Su	Post	1995-1998	Ph.D. 1992 Justus-Liebig U., Giessen, Germany	Modulation of exocytosis in sympathetic neurons and epithelium	Res. Prof., Physiology and Biophysics Dept., Univ. Washington, Seattle
Isaacson, Jeffry S.	Post	1995-1999	Ph.D. 1993 U. California San Francisco, CA	Modulation of transmitter release in the CNS	Prof., Neurosciences Dept., and Grad. Prog. Neuroscience, UCSD, La Jolla, CA
Cruzblanca, Humberto	Post	1996-1999	Ph.D. 1993 IPN, CINVESTAV, Mexico City	Modulation of M current in sympathetic neurons	Prof., CUIB, Univ. Colima, Colima, Mexico
Kaftan, Edward J.	Post	1997-2000	Ph.D. 1997 U. Connecticut, Farmington, CT	Calcium dynamics in gonadotropes	Last known: Sr. Prin. Scientist, Neuroscience, Pfizer Inc., Groton, CT (to May 2011)
Roche, John P.	Post	1997-2000	Ph.D. 1997 U. Mass. Med. Sch., Worcester, MA	G-protein coupled receptors: Structure and function	Last known: Sr. Res. Fellow, Dept. Biochem. and Molec. Biol, U. Mass., Amherst MA
Wennemuth, Gunther	Post	1998-1999 2000-2001	M.D. 1997 Philipps U., Marburg, Germany Habilitation 2003 Philipps U.,	Calcium dynamics in mammalian sperm	Prof., Anatomy Dept., University Clinic, Essen, Germany
Xu, Tao	Post	1999-2000	Ph.D. 1996 Huazhong U. Sci. & Technology, Wuhan, China	Regulation of exocytosis by calcium and protein kinase C in gonadotropes	Prof. and Dir., Inst. of Biophys. (IOB), Chinese Acad. Sci., Beijing, China
Hirdes, Wiebke (was Schledermann, while in Seattle)	Post	2001-2003	Ph.D. 2001 U. Hamburg, Hamburg, Germany	Muscarinic modulation of K channels	Last known: Res. Collaborator, Ctr. for Molec. Neurobiol., U. Hamburg, Germany (to Oct. 2013)
Harper, Andrew J.	Post	2001-2002	D.V.M. 1992 Auburn U. College Vet. Med., Auburn, AL M.D. 1996 Alabama Sch. Med., Birmingham, AL	Bicarbonate activation of sperm	Physician, Reprod. Endocrinologist, and Med. Dir., Huntsville Reprod. Med. Clinic, Huntsville, AL (private practice)
Horowitz, Lisa F.	Post	2001-2004	M.D./Ph.D. 2000 Harvard Med. Sch., Cambridge, MA	Muscarinic modulation of K channels	Res. Scientist, Dept. of Pharmacology, U. of Washington, Seattle
Suh, Byung-Chang	Post	2001-2004	Ph.D. 1997 Pohang U. Sci. & Technology, Korea	Muscarinic modulation of PIP ₂ hydrolysis	Assoc. Prof., Dept. Brain Sci., Daegu- Gyeongbuk Inst. Sci. & Tech. Daegu, Korea
Chen, Liangyi	Post	2001-2004	Ph.D. 2001 Huazhong U. Sci. & Technology, Wuhan, China	Calcium dynamics in pancreatic beta cells	Prof., Lab of Cell Secretion & Metabo- lism, Inst. Molec. Med., Peking Univ., Beijing, China
Carlson, Anne E.	Pre	2001-2006	M.S. 2000 Northwestern U., Evanston, IL Ph.D. 2006 U. Washington, Seattle	Bicarbonate activation of sperm	Assist. Prof., Biological Sciences, Univ. Pittsburgh, Pittsburgh, PA

Lauckner, Jane E.	Pre	2002-2007	Ph.D. 2007 U. Washington, Seattle	Modulation of ion channels in central neurons	Last known: Postdoc, Biol. Dept., Stanford U., Stanford, CA (to 2011)
Schuh, Sonya M.	Pre	2002-2007	Ph.D. 2007 U. Washington, Seattle	Activation of sperm by adenosine	Assist. Prof., Biology Dept., Saint Mary's College of California, Moraga, CA
Duman, Joseph G.	Post	2003-2007	Ph.D. 2002 U. California, Berkeley	Cell activation and exocytosis	Asst. Prof., Neurosci. Dept., Baylor Coll. Med., Houston, TX
Dilly, Keith W.	Post	2006-2007	Ph.D. 2001 U. Maryland, Baltimore, MD	Mechanism of arachidonic acid modulation of M-current	Pres. & CEO of KDScience, consulting, Seattle, WA
Burnett, Lindsey A.	Post	2008-2010	Ph.D. 2007 Arizona State Univ., Tempe, AZ	Activation signals for spermatozoa	Resident Physician, Ob-Gyn, UCSD, San Diego, CA, beginning 2015
Falkenburger, Bjoern H.	Post	2008-2010	M.D. 2002 U. Tübingen, Germany	Modulation of ion channels by membrane lipids	Resident Physician, Neurologie Clinic, Universitätsklinikum Aachen, Germany
Yoon, Jin-Young	Post	2011-2012	Ph.D. 2010 Seoul National University S. Korea	Pinealocytes as excitable cells	Postdoc, Cardiovasc. Med. Div., U. Iowa Coll. Med., Iowa City, IA
Dai, Gucan	Post	2014-2015	Ph.D. 2013, Washington St. Univ. Pullman, WA	Regulation of phospho-inositide lipids by inositol uptake	Postdoc, Physiology and Biophysics, U. of Washington, Seattle
Vivas, Oscar	Post	2012-	Ph.D. 2012 UNAM, Mexico City	Modulation of channels by PIP ₂ and calcium signals from PLC	Postdoc, Physiology and Membrane Biology, Sch. Med., UC Davis, CA
Yu, Haijie	Post	2012-2015	Ph.D. 2009, Sun Yat-sen University, Guangzhou, China	Electrical excitability of pineal cells	Acting Instructor, UW Cellular Neurophysiology Lab, Harborview Med. Ctr., Seattle, WA
Seo, Jong-Bae	Post	2011-2016	Ph.D. 2006 Seoul National University, Seoul, S. Korea	Role of PAR-2 in pancreatitis	Postdoc, Medicine-Endocrinology & Metabolism, Univ. Calif. San Diego, La Jolla, CA
Dickson, Eamonn J.	Post	2010-	Ph.D. 2009 U. Nevada, Reno	Dynamics of IP ₃ and DAG after activation of PLC	Assist. Prof., Physiology and Membrane Biology, Sch. Med., UC Davis, CA
Jung, Seung-Ryoung	Post	2013-2016	Ph.D. 2007, Pohang U. Sci. & Tech. (POSTECH), Pohang, S. Korea	Role of PAR-2 in pancreatitis / Desensitization of G protein coupled receptors	Senior Research Associate, Dept. of Chemistry, UW Seattle
Current Trainees			Grad. Degree, Year, Institution	Research Topic	Current Source of Support
Jensen, Jill B.	Pre Post	2004-2008 2009-	Ph.D. 2008 U. Washington, Seattle	Kinetics of ion channel modulation	Acting Instructor NIH R37 NS08174 (B. Hille)

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Kruse, Martin	Post	2010-	Ph.D. 2009 U. Hamburg, Germany	Potassium channel modulation by receptors	Acting Instructor NIH R37 NS08174 (B. Hille) Aug. 1, 2017: Assist. Prof., Neuroscience Program, Bates College
de la Cruz, Lizbeth	Post	2017-	Ph.D. 2017 UNAM, Mexico City	Ion channel modulation by receptors	Senior Fellow NIH R37 NS08174 (B. Hille) Begin 06.01.2017
<i>Trainees Total: 75</i>	<i>18 Pre 57 Post</i>				

Documents/Grants/Trainees 01/24/2017