

DORA E. ANGELAKI

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Education:
1991 Ph.D. -- Biomedical Engineering, Univ. of Minnesota
1989 M.S. -- Biomedical Engineering, Univ. of Minnesota
1985 Diploma -- Electrical Engineering, National Technical Univ. of Athens

Academic Positions:
2011- Wilhelmina Robertson Professor & Chair, Dept. of Neuroscience, Baylor College of Medicine
2004- 2011 Alumni Endowed Professor, Dept. of Neurobiology, WashU
2003- 2011 Professor, Dept. of Neurobiology and Biomedical Engineering, Washington University, St. Louis MO 63110
1999-2002: Associate Professor, Dept. of Anatomy/Neurobiology and Biomedical Engineering, Washington University, St. Louis MO 63110
1993-1999: Assistant (1993-1997) and Associate (1997-1999) Professor, Dept. of Surgery (Otolaryngology) and Anatomy, Univ. of Mississippi Medical Center, Jackson, MS
1992-1993 Postdoctoral Fellow Univ. of Zürich (Dept. of Neurology), Drs. B. J. M. Hess & V. Henn
1991-1992 Postdoctoral Fellow, Univ. of Texas Medical Branch (Dept. of Otolaryngology), Dr. A. A. Perachio

Honors and Awards:
2013 Keynote Lecture, Visual Sciences Society
2013 Donders Lecture, Nijmegen, Netherlands
2012 Pradal Award in Neuroscience, National Academy of Sciences (NAS)
2011 Grass Lecture, Society for Neuroscience
2006 Halpike-Nylen medal, Barany Society
2004 Alumni Endowed Professorship
2002 Selected faculty for "Faculty for 1000 Editorial"
1996 Presidential Early Career Award for Scientists and Engineers
1992 NIH Postdoctoral Fellowship (F32 DC-00092)
1991 NASA Predoctoral Fellowship (NGT 50581)
1991 Doctoral Dissertation Fellowship, Univ. of Minnesota
1990 Special Dissertation Fellowship, Univ. of Minnesota
1990 I. J. Fox Scholarship, Univ. of Minnesota
1989 Alexander P. & Lydia Anderson Fellowship, Univ. Minnesota

1989

Shevlin Fellowship, Univ. of Minnesota

Invited Lectures/Seminars :

- 2012: : Keynote Speaker, Annual Retreat for the Center for Neuroscience at the University of Pittsburgh, Oglebay Resort in Wheeling, WV
: Stanford Institute for Neuro-Innovation and Translational Neurosciences (SINTN)
: Dept of Biological Sciences, University of Cincinnati
: Center for Neuroscience at the University of Pittsburgh (CNUP) Annual Retreat, Oglebay Resort in Wheeling, WV
- 2011 : Grass Lecture, Society for Neuroscience conference, Washington DC
: Neuroscience Collaborative Research Center, Ludwig-Maximilians-Universität, Munich, Germany
: Neuroscience Seminar Series, Max Plank Institute, Tuebingen, Germany
: DA Robinson Lecture, Dept of Biomedical Engineering, John Hopkins Univ.
: National Institutes of Health, Neuroscience Seminar Series
: Dept of Neurobiology, Yale University School of Medicine, New Haven CT
: Dept of Neuroscience, University of Chicago, Chicago IL
: Dept of Neurobiology, Baylor College of Medicine, Houston TX
: Dept of Molecular and Integrative Physiology, Univ of Michigan, Ann Arbor, MI
- 2010 : Vision Seminar colloquium, University of Pennsylvania, Philadelphia PA
: Institute of Biomedical Sciences, Federal University of Rio de Janeiro, Rio, Brazil
: Neuroscience group, Philipps University, Marburg Germany
: Dept of Brain & Cognitive Sciences, U. Rochester, Rochester NY
: Dept of Anatomy & Neurobiology, Wake Forest U., Winston-Salem NC
: Center for Neuroscience, UC Davis
: Karolinska Institute, Stockholm, Sweden
: Umea University, Umea, Sweden
: Brain and Behavior Discovery Institute, Medical College of Georgia, Augusta GA
- 2009 : UCLA Brain Research Institute, Los Angeles CA
: Kresge Hearing Balance and Chemical Senses seminar series, Univ of Michigan, Ann Arbor, MI
: Science Focus Day 'When Models and Experiments Meet', Center for Neural Science, New York University (plenary lecture)
: Dept of Neurobiology, Harvard Medical School, Boston MA
: Neural Systems and Behavior Course, Marine Biological Laboratory, Woods Hole MA (keynote speaker)
: International Multisensory Research Forum (IMRF), NYC, NY (keynote speaker)
: Division of Biology Seminar, California Institute of Technology
: Neuroscience group, Philipps University, Marburg Germany
- 2008 : Keynote Lectures on Frontiers of Life Sciences, School of Life Sciences and Biotechnology, Shanghai Jiao Tong University, Shanghai, China
: Institute of Neuroscience, Chinese Academy of Sciences, Shanghai, China
: Program in Neuroscience, Univ. of California, Davis
: Summer Institute in Cognitive Neuroscience, Squaw Creek, Tahoe CA
: Dept of Neuroscience, University of Rome, Italy

- 2007 : Dept of Neuroscience, Baylor College of Medicine, Houston TX
 : Eli Lilly Conference Series, Universite de Montreal, Montreal Canada
 : Neuroscience Seminar Series, Princeton University, Princeton NJ
 : Dept. of Neurobiology, Stanford University, Stanford CA
 : University of Colorado, Health Sciences Center, Denver CO
- 2006 : VSIONNYC, SUNY/Columbia/Cornell/New York Univ., New York, NY
 : Dept. of Biomedical Engineering, Johns Hopkins University
 : Zanvyl Krieger Mind and Brain Institute, Johns Hopkins University
 : Swartz Centers for Theoretical Neuroscience, Columbia University, New York, NY
 : Neuroscience Seminar Series, University of Chicago
- 2005 : Division of Biology, California Institute of Technology
 : Cold Spring Harbor Course on Structure, Function, and Development of the Visual System, Banbury Center, Extrastriate session, CSH laboratories
 : Max Plank Institute and University of Tuebingen, Tuebingen, Germany
 : Sloan-Swartz seminar series, California Institute of Technology
- 2004 : Kyoto University, Kyoto, Japan
 : National Institute of Physiology, Okazaki, Japan
 : Dept. of Physiology, University of Tokyo, Tokyo, Japan
 : Smith-Kettlewell Institute, San Francisco, CA
 : Dept. of Neuroscience, Univ. of Texas Medical Branch, Galveston TX
- 2001 : Dept. of Neurology, University of Tubingen, Tubingen, Germany
 : Dept. of Psychology, Brandeis University, Boston MA
- 2000 : Dept. of Psychology, York University, Toronto, Canada
 : Dept. of Physiology, University of Toronto, Toronto, Canada
 : Dept. of Medical Physics and Biophysics, Univ. of Nijmegen, Netherlands
- 1999 : Computational Neuroscience, Univ. of Minnesota, Minneapolis MN
 : McNally Memorial *Lecture*, McGill University, Montreal, Canada
- 1998 : Dept. of Anatomy and Neurobiology, Univ. of Rochester, Rochester NY
 : Dept. of Otolaryngology, Eye and Ear Institute, Pittsburgh, PA
 : Dept. of Otolaryngology, Univ. of California, Davis, CA
 : Keck Center for Integrative Neuroscience, UCSF, San Francisco CA
- 1997 : Dept. of Otolaryngology, Eye and Ear Infirmary, Boston MA
- 1996 : Dept. of Biomedical Engineering, Univ. of Utah, Salt Lake City, UT
- 1995 : Neuroscience Seminar Series, Univ. of Minnesota, Minneapolis, MN
- 1994 : Dept. of Anatomy and Neurology, University of Munich, Germany
- 1993 : LPRA/CNRS/College de France, Paris, France

Symposium/Conferences:

- 2012 : *Invited Speaker*, Fontiers in Neuroscience, Buzios, Rio de Janeiro, Brazil
 : *Invited Lecture*, Sensory Coding and Natural Environment, Klosterneuburg, Austria
 : *Invited Lecture*, Space and Embodied Cognition, Rome, Italy
 : *Invited Lecture*, Gordon Conference on Auditory System, Bates College, MN
 : *Invited Speaker*, Symposium on vestibular perception, ARO conference, San Diego, CA
 : *Invited Speaker*, NCM satellite, Venice, Italy
 : *Invited Speaker*, 28th Symposium of the Center for Visual Science, University of

Rochester, Rochester NY

- 2011
 - : *Invited Speaker*, AREADNE, Santorini, Greece
 - : *Keynote Lecture*, Gordon Conference on Eye Movements
 - : *Invited Lecture*, Gordon Conference on Cerebellum
 - : *Invited Speaker*, Workshop on multisensory space perception, Sestri Levante, Italy
 - : *Invited Speaker*, Workshop on multimodal & sensorimotor bionics, Munich, Germany
 - : *Keynote Lecture*, Physiological mechanisms of perception, cognition and action, Sainte-Adele, Quebec, Canada
- 2010
 - : *Invited Speaker*, Barany Satellite, Iceland
 - : *Invited Lecturer*, European summer school on visual neuroscience, Marburg, Germany
 - : *Invited Speaker*, “Neural processes of orientation and navigation” symposium, Physiology 2010, Manchester, United Kingdom
 - : *Invited Speaker*, “Fixational eye movements and visual stabilization” Nobel symposium, Stockholm, Sweden
 - : *Invited Speaker*, NCM satellite, Naples FL
 - : *Invited Speaker*, Fontiers in Neuroscience, Buzios, Rio de Janeiro, Brazil
- 2009
 - : *Invited Speaker*, ‘Canocial neural computations’ workshop, Florence, Italy
 - : *Invited Speaker*, ‘2nd International Congress of the Society for research on the cerebellum’, Chicago IL
 - : *Invited Speaker*, ‘Greek Neuroscientists Social’ SFN meeting in Chicago IL
 - : *Invited Speaker on Plenary session of 1st International conference of Hellenic Bioscientific Association*, Boston MA
- 2008
 - : *Invited Speaker*, ‘How the Brain Moves the Eyes and Head: Neural Mechanisms of Oculomotor and Vestibular Function, October 5-8, Rogue Valley Medical Center in Medford, OR
 - : *Invited Speaker*, ‘Cue Combination – Unifying perceptual theory’ organizers: J. Trommershauser, M. Landy, K. Koerding, Castle of Rauischholzhausen, Germany
 - : *Invited Speaker*, ‘Plasticity in sensory network formation and sensory gating’, Beijing Conference for Physiological Sciences, Beijing, China
 - : *Invited Speaker*, Conference by the German National Network for Computational Neuroscience (NNCN) sponsored by the German Federal Ministry of Education and Research (BMBF) and the NSF/ NIH
 - : *Invited Speaker*, ‘Neural Mechanisms in Control of Eye, Head and Limb Movements’ organizers: T. Yagi, K. Kawano, K. Fukushima, Y. Suguichi, Ohtsu, Shiga, Japan
 - : *Invited Speaker*, *Symposim on ‘Neural mechanisms to compensate for self-induced sensation’*, Kyoto, Japan
 - : *Invited Speaker*, Farewell symposium for Jan van Gisbergen, Radboud University Nijmegen, Netherlands
 - : *Invited Speaker*, ‘Basic and Clinical Aspects of Vertigo and Dizziness’ (T. Brandt’s retirement), Kloster Seeon, Germany
 - : *Invited Speaker*, *Symposium*, ‘Bayesian approaches to motor control’, NCM, Naples FL
 - : *Conference Organizer and Speaker*, AREADNE, Santorini, Greece
- 2007
 - : *Invited Speaker*, ‘Advances in Computational Motor Cotnrol VI’ organizers: E. Todorov, R. Shadmehr, Symposium at SFN, San Diego CA

- : *Invited Speaker*, ‘Levels Cortical Mechanisms of Vision’ organizers: Hugh R. Wilson & Doug Crawford, York Univ., Toronto, Canada
- : *Symposium*, ‘Viewing distance modulation of VOR amplitude: Evidence for cortical and/or brainstem control signals?’, NCM, Seville, Spain
- : *Invited Speaker*, Neural Bases of Motor Learning and Performance: From Cell to Function, Carmona, Spain
- 2006 : *Conference Organizer*, AREADNE, Santorini, Greece
- : *Invited Speaker*, 3rd Annual Computational and Systems Neuroscience meeting (Cosyne06), Salt Lake City, YT
- : *Invited Symposium Speaker*, Multisensory Integration, Cosyne06 Satellite, The Canyons, YT
- : *Invited Speaker*, 9th Tubingen Perception Conference (TWK), Tubingen, Germany
- : *Presidential Symposium*, Association for Research in Otolaryngology (ARO), Baltimore MD
- 2005 : *Conference Organizer*, Univ. of Zurich, Zurich, Switzerland
- : *Invited Speaker*, Gordon Conference, Bates college, Maine
- 2004 : *Plenary Speaker*, Japanese Equilibrium Research Society, Gunma University, Takasaki, Japan
- : *Symposium*, ‘Psychophysics, neurobiology and clinical aspects of motion perception’, Barany Society meeting, Paris, France
- : *Symposium*, ‘Neural representation of internal models for movement’, NCM, Barcelona, Spain
- 2003 : *Symposium*, ‘Coding of movement in 3-D: from sensory coordinates to motor act’, NCM, Santa Barbara CA
- 2002 : *Keynote Speaker*, 6th Symposium on the role of vestibular organs in space exploration, Portland OR
- : *Invited Speaker*, Barany Society meeting, Seattle, WA
- : *Invited Speaker*, Barany Satellite conference, Orcas Island, WA
- : *Symposium*, ‘Multisensory Interactions Subserving Orienting Behavior’, NCM, Naples FL
- 2001 : *Invited Speaker*, Brainerd conference in honor of Dr. C. Terzuolo, Brainerd, MN
- : *Invited Speaker*, ‘Levels of Perception’ in honor of Dr. Ian Howard, York Univ., Toronto, Canada
- : *Invited Speaker*, EuroConference: ‘Three-Dimensional Sensory and Motor Space’, Granada, Spain
- : *Symposium*, ‘From sensory processing to motor commands: Evidence for space and time warping in the neural code, NCM, Sevilla, Spain
- : *Invited Speaker*, ‘The vestibular and oculomotor system: Basic mechanisms and clinical applications’ in honor of Dr. Bernard Cohen, Seon, Germany
- 2000 : *Invited Speaker*, ‘Eye movements and vision in the natural world’ in honor of Prof. Han Collewijn, Netherlands Royal Academy of Sciences, Amsterdam, Netherlands
- : *Invited Speaker*, NCM, Key West, FL
- 1999 : *Invited Speaker*, Computational Neuroscience Symposium, Univ. of Minnesota, Minneapolis, MN
- : *Symposium*, ‘Vestibular Influences on Spatial Orientation’, NCM, Kauai, HA

- 1998 : *Invited Speaker*, Space Biomedical Investigators" Workshop, League City, TX
- 1998 : *Invited Speaker*, Gordon Conference, New London, NH
- 1998 : *Invited Speaker*, "Otolith Function in Spatial Orientation and Movement", Univ. of Zurich, Zurich Switzerland
- 1996 : *Invited Speaker*, NCM, Marco Island, FL
- 1995 : *Invited Speaker*, "Three-dimensional Kinematic Principles of Eye-, Head-, and Limb Movements in Health and Disease", Tübingen, Germany
- 1995 : *Invited Speaker*, "New Directions in Vestibular Research", Rockefeller Univ., New York City NY
- 1994 : *Invited Speaker*, Gordon Conference, New London, NH

Study Sections/Review Panels/Site visits:

- 2008-2012 NIH-Sensorimotor Ingegration (SMI) study section member
- 2011 Human Frontier Science Program (HFSP) Pre-Proposal Selection Committee, Strasbourg FRANCE
- 2010 Ad-hoc promotions committee, Columbia University, New York City
- 2009 American Institute of Biological Sciences & US Army Medical Research, review for Military Vision Research Program, Washington DC
- 2009-2010 NIH-Pioneer Award grant review committee, Washington DC
- 2009 Swedish Research Council – review committee, Integrative Systems Neurobiology
- 2007-2010 Human Frontier Science Program (HFSP) Grant Review Committee, Strasbourg FRANCE
- 2008 NIH-NIDCD Special Emphasis Panel
- 2007 NIH-NIDCD Special Emphasis Panel – P50 grant review
- 2006 NSF-Cognitive Neuroscience review panel, Arlington VA
- 2006 NIH-NCRR Special Emphasis Panel, Seattle WA
- 2006 NIH-SMI Review Panel, Washington DC
- 2006 NIH-AED Review Panel, Washington DC
- 2006 NIH-NIDCD Review Panel, ZDC1 SRB-Y, Washington DC
- 2003-2005 NIH-Central Vision Processing (CVP) study section member
- 2005 Collaborative Research Computational Neuroscience (CRCNS), Arlington VA
- 2004 NSF, Spring Advisory Panel for Computational Neuroscience, Arlington VA
- 2003 NEI (NIH) small grant review panel, Bethesda MD
- 1999-2003 NIH-VisB (NEI) study section member
- 2002 CRCNS NSF/NIH study section, Arlington VA
- 2000 NASA Review panel, Washington DC
- 1999 NASA Review panel, Washington DC
- 1998 IFCN-6 SBIR (NIH) study section, Washington DC
- 1998 NASA Ames Research Center Review panel, Moffett Field, CA
- 1997 NIDCD (NIH) study section, Washington DC

Ad-hoc Grant Referee for: National Science Foundation, Canadian Institute of Health Research (CIHR)
 Air Force Office of Scientific Research, European Space Agency,
 Swiss National Science Foundation, Austrian Science Fund (FWF),
 Space Research Organization of the Netherlands, Swedish Research Council,
 Wellcome trust

Editorial Responsibilities:

2012-	<i>Elife</i> , Board of Reviewing Editors
2011-	Editorial Board, <i>Multisensory Research: A journal of scientific research on all aspects of multisensory processing</i>
2010	Section Editor on Motor Systems, <i>Current Opinion of Neurobiology</i>
2010-2012	Review Editorial Board, <i>Frontiers in Neuro-Otology</i>
2008- 2012	Editorial Committee, <i>Annual Review of Neuroscience</i>
2008-2015	Reviewing Editor; <i>Journal of Neuroscience</i>
2008-	Reviewing Editor, <i>Frontiers in Neuroscience</i>
2002-2008	Associate (Senior) Editor; <i>Journal of Neurophysiology</i>
2007-	Editorial Board; <i>Journal of Neuroscience</i>
2002-	Editorial Board; <i>Journal of Neurophysiology</i>
2002-	<i>Faculty for 1000</i>
1999-	Editorial Board for Sensory Physiology; <i>Experimental Brain Research</i>

Reviewer for: Nature, Nature Neuroscience, Neuron, Current Biology, Journal of Neuroscience, Journal of Neurophysiology, Experimental Brain Research, Journal of Vision, Vision Research, Neuroscience Methods, Cerebral Cortex, Neuroscience, Pflügers Archives, European Journal of Physiology, Biological Cybernetics, Journal of the Association for Research in Otolaryngology, Journal of Vestibular Research, Brain Research, Acta Astronautica, Journal of Physiology

International Advisory Boards/Committees:

2013	Scientific Academic Advisory Committee (SAAC), Weizmann Institute of Science, ISRAEL
2012-2016	Society for Neuroscience, Finance Committee
2012-2014	Society for Neuroscience, Swartz Prize for Theoretical and Computational Neuroscience Committee
2011- 2016	Program Committee, Alfred P. Sloan Research Fellowships in Neuroscience
2010-	International Advisory Board, Donders Institute, Radboud University Nijmegen, NETHERLANDS
2010-	International Advisory Board, Bernstein Center for Computational Neuroscience, Tuebingen, GERMANY
2008	External Evaluation Experts, Hellenic Quality Assurance Agency for Higher Education (HQAA)
2008	NINDS (NIH), Advisory Committee
2007-2008	Chair of Program Committee, Society for Neuroscience
2007-2008	ex officio, Information Technology Committee, Society for Neuroscience
2007-2008	Program Committee, Cosyne conference
2006-2009	Society for Neuroscience, Scientific Publications Committee
2003-2009	Society for Neuroscience, Program Committee
2004-2007	CNS (Neuroscience) Steering Committee, American Physiological Society
2003-2004	Oversight and Steering Committee for the International (US/Europe/Russia) Multidisciplinary Project for Artificial Gravity in Space Exploration
2000-2001	American Association for Research in Otolaryngology (ARO) Award of

Merit Committee

Institutional Professional Committees/Affiliations:

Baylor College of Medicine (BCM):

2011 - Chair, Dept of Neuroscience (BCM)
2011- Faculty and Promotions (FAP) Committee
2011- Academic Council

Washington University (WashU):

2007 - 2011 Co-Director, Neuroscience Program, WashU
2007 - 2011 McDonnell Center for Higher Brain Function, Operations Committee, WashU
2007 - 2011 Neuroscience Program, Steering Committee, WashU
2005 - 2011 NEI Student/postdoc training grant, Selection Committee, WashU
2003 - 2011 Computational-Cognitive & Systems Neuroscience (CCSN), Steering Committee
2005 - 2007 MSTP Admissions Committee, WashU
2007 - 2008 Faculty Search Committee, Dept. of Biomedical Engineering, WashU
2006 - 2008 Faculty Search Committee, Dept. of Neurobiology, WashU
2005 - 2006 Faculty Search Committee, Dept. of Physics, WashU
2004 - 2005 Faculty Search Committee, Dept. of Physics, WashU
2004 Scientific Advisory Committee, McDonnell Center for Higher Brain Function
2000 - 2005 Graduate school admissions, Neuroscience Program, committee member, WashU
2000 - 2003 Faculty Search Committee, Dept. of Biomedical Engineering, WashU
1999 - 2004 Steering Committee in Neural Engineering, Dept. of Biomedical Engineering
1999 - 2001 Graduate school admissions, Dept. of Biomedical Engineering, committee member

Teaching:

Washington University (WashU):

2005 Advanced Computational, Cognitive and Systems Neuroscience, BIO 5619
(course master)
2004-2011 Advanced Computational, Cognitive and Systems Neuroscience, BIO 5619
(lecturer)
2002-2011 Neural Systems, BIO 5651 (lecturer)
2001-2011 Introduction to Biomedical Engineering, BME 140 (lecturer on Bioelectricity)
2000-2004 Topics in Neural Engineering: Sensorimotor Systems and Computations,
BME 590G, BME 573 (course master)

Member:

Society for Neuroscience
Society for the Neural Control of Movement
American Physiological Society
Association for Research in Otolaryngology
Association for the Advancement of Science
Barany Society

Students and Trainees:

Postdoctoral trainees: Christopher Dakin (2012-present)
 Reuben Fan (2012-present)
 Mahmood Amiri (2012-present)
 Zhigang Ji (2012-present)
 Jeremie Gaveau (2012-present)
 Cailin Elmore (2012-present)
 Jakob Thomassen (2011-present)
 Adam Zaidel (2010-present)
 Byoungsoon Kim (2010-present)
 Ari Rosenberg (2009-present)
 Xiong-jie Yu (2009-present)
 Xiaodong Chen (2009-present)
 Kalpana Dokka (2009-present)
 Sheng Liu (2006-2012; current position: Assistant Professor, Baylor College of Medicine)
 Jean Laurens (2010-2012; current position: Instructor, Dept Otolaryngology, WashU)
 Tanya Yakusheva (2004-2010; current position: Instructor, Dept Otolaryngology, WashU)
 Eliana Klier (2003-2010; current position: Assistant Professor, Baylor College of Medicine)
 Hui Meng (2002-2010; current position: Staff Scientist, Baylor College of Medicine)
 Yong Gu (2002-2010; current position: Assistant Professor, Institute of Neuroscience, Shanghai, China)
 Aihua Chen (2005-2011; current position: Assistant Professor, East China Normal University, Shanghai, China)
 Paul MacNeilage (2007-2010; current position: Group Leader -Assistant Professor - equivalent, Integrated Center for Research and Treatment of Vertigo, Balance, and Oculomotor Disorders Ludwig-Maximilians University Hospital of Munich, Germany)
 Syed Chowdhury (2007-2009; current position: Assistant Professor, St Louis Community College, Wildwood MO)
 Ayanna Bryan (2006-2008; current position: Lab Manager, Univ. of Florida)
 Katsumasa Takahashi (2005-2007; current position: Associate Professor, Dept Otolaryngology, Gunma University, Takasaki, Japan)
 Erin Henry (2006-2007, current position: Team Manager, Genentec)
 Shoji Watanabe (2005-2006; current position: Ass. Professor, Dept Otolaryngology, St. Marianna University, Kawasaki, Japan)
 Fatema Ghasia (2002-2005; current position: Resident, Ophthalmology, WashU)
 Aasef Shaikh (2002-2004; current position: Resident, Neurology, Case Western)
 Andrea Green (2000-2005; current position: Assistant Prof., Univ. de Montreal)
 Min Wei (1999-2005; current position: Assistant Prof., Univ of Rochester NY)
 Hui-hui Zhou (2000-2002; current position: National Eye Institute, NIH)

Graduate students (PhD): Robert Seilheimer (PhD in progress, SCBMB, BCM – advisor)
 Adhira Sunkara (PhD in progress, Biomedical Engineering, WashU – advisor)

Chris Fetsch (PhD 2009, Neuroscience, WashU – advisor)
Michael Morgan (PhD 2008, MSTP-Neuroscience, WashU – advisor)
Jacob Nadler (PhD 2008, MSTP-Neuroscience, WashU – co-advisor)
Asim Haque (PhD 2007, Speech and Hearing Sciences, WashU – co-advisor)

Graduate students (rotation): Piyush Karande (spring 2010, Biomedical Engineering, WashU)
Justin Brooks (MSTP-Neuroscience, WashU)
Jennifer Semrau (fall 2005, Neuroscience, WashU)
Kim McArthur (fall 2004, Neuroscience, WashU)
Paul Watkins (spring/summer 2004, Biomedical Engineering, WashU)
Christine MacDonald (spring 2003, Biomedical Engineering, WashU)
Dustin Heldman (fall 2002, Biomedical Engineering, WashU)
Yuking Liu (summer 2002, Neuroscience, WashU)
Vidya Bhalodia (spring 2001, Neuroscience, WashU)
Kristina Visscher (spring 2000, Neuroscience, WashU)
Quinn M. McHenry (1998, Anatomy; UMMC)

MS students: Brad Lindseth (2003-2004, Electrical Engineering, WashU)

Undergraduates: Sam Fok (BME, 2008), WashU
Fady Riad (Biology, 2008-2009), WashU
Jimmy Zhang (BME, 2005-2007), WashU
Anuk Karunaratne (BME, 2005-2006), WashU
Nuo Li (BME, 2002-2005), WashU
Russell Chu (BME, spring 2003), WashU
Joshua Vogelstein (BME, spring/summer/fall 2002), WashU
Shawn J. Hsieh (EE, summer/fall 2001), WashU
Michael Birman (BME, summer 2000; Howard Hughes Fellow), WashU

Medical Students: Bhoma Aravamuthan (2009-2011), WashU

Robert Mallery (2006-2007), WashU

Asim Haque (1997-1999), UMMC

Graduate Committees: WashU: Paul Watkins (Biomedical Engineering), Rebecca Hendrickson (Neuroscience), Jennifer Semrau (Neuroscience), Shane Heiney (Neuroscience), Kim McArthur (Neuroscience), Steve Chang (Neuroscience), Robert L. White (MSTP, Neuroscience 2005), Jerry D. Nguyenkim (Neuroscience 2005), Melanie S. Kotys (MSTP, Biomedical Engineering 2004), Jonathan I. Matsui (MSTP, Neuroscience 2003)

UMMC: Xiahong Si (Anatomy), Bing-Zhong Chen (Anatomy)

Current Grant Support:

National Institute of Health, NEI (R01-EY019087, years 1-5, PI) "Multisensory integration in extrastriate visual cortex": \$1,250,000 (Direct), 8/1/2008 - 7/31/2013.

National Institute of Health, NEI (R01-EY017866, years 6-9, PI) "Neural basis of spatial motion perception ": \$1,000,000 (Direct), 2/1/2007-1/31/2016.

National Institute of Health, NIDCD (R01-DC007620, years 6-10, PI): " Vestibular influences on spatial orientation and visuospatial constancy ": \$1,250,000 (Direct), 7/1/2006 – 11/30/2016.

National Institute of Health, NEI (R01-EY15271, years 5-8, PI): "Studies of three-dimensional ocular kinematics": \$1,000,000 (Direct), 7/1/2004 - 8/31/2012.

National Institute of Health, NEI (R01-EY12814, years 13-17, PI): "Neural organization and function of the vestibulo-cerebellum": \$1,389,815 (Direct), 5/1/1999 - 7/31/2016.

National Institute of Health, NIDCD (R01-DC04260, years 11-15, PI): "Neural mechanisms of vestibular function": \$1,937,755 (Direct), 12/1/1999 - 11/30/2014.

National Institute of Health, NINDS (R21NS075944-01 (PI): "Vestibular Influences on Arm Movements", 07/01/11 – 06/30/13.

AFOSR FA9550-10-1-0336 (Alexandre Pouget PI): "Computational Modeling of Optimal Decision-Making in Multisensory Integration", 7/1/2010 – 1/31/2012.

Past Research Support:

National Science Foundation, IGERT training grant in "Computational, Cognitive and Systems Neuroscience" (Co-P.I., \$2,825,857), 07/01/2006 - 06/30/2011.

National Aeronautics and Space Administration (NNA04CC77G): "Multisensory interactions to discriminate gravity from translational accelerations" (P.I., \$1,050,000), 7/1/2004 - 6/30/2007.

National Institute of Health NCRR Shared Instrumentation Grant (1 S10 RR021169-01): "Human motion system" (P.I., \$405,000), 04/01/2005 - 03/31/2006.

National Aeronautics and Space Administration (NAG 2-1493): "Multisensory interactions to discriminate gravity from translational accelerations" (P.I., \$970,937 total funds), 7/1/2001 - 6/30/2004.

McDonnell Center for Higher Brain Function: "Eye-hand coordination in humans and macaque monkeys" (Co-I., \$310,006; L.H. Snyder, P.I.), 7/1/00-6/30/2003.

National Space Biomedical Research Institute (NSBRI): "Context-specificity and other approaches to neurovestibular adaptation" (Co-I., \$180,000; M.J. Shelhamer, P.I.), 11/1/00-10/31/2003.

McDonnell Center for Higher Brain Function: "Sensorimotor transformations in the translational vestibulo-ocular reflex" (P.I., \$60,000), 7/1/99-6/30/01.

NASA Presidential Young Investigator Award (\$100,000 annually, 1998-2000).

National Institute of Health, NIDCD (R01 DC-00385): "Morphophysiological analysis of vestibular neurons" (Co-P.I., \$1,157,143 total funds; P.I.: Dr. A. A. Perachio), 12/1/1995 - 11/30/2000.

National Institute of Health, NEI (R29 EY-10851): "Three-dimensional organization of the oculomotor system" (P.I., \$430,746 total funds), 12/1/1994 - 11/30/1999.

Air Force Office of Scientific Research: "Multisensory control of spatial orientation" (P.I., \$170,000 total funds), 2/15/1998 - 2/14/1999.

Air Force Office of Scientific Research Augmentation Award for Science and Engineering Research Training (AASERT, 97NL062): "Neural coding of gravitational and translational accelerations for spatial orientation" (P.I., \$98,303 total funds), 6/1/1997 - 5/31/2000.

National Aeronautics and Space Administration (NAGW-4377): "Adaptive visual-vestibular mechanisms and gravity" (P.I., \$303,437 total funds), 2/15/1995 - 2/14/1998.

Air Force Office of Scientific Research (F-49620): "Adaptive visual-vestibular mechanisms for spatial orientation" (P.I., \$361,362 total funds), 2/1/1995 - 1/31/1998.

Mentor/Supervisor for the following Fellowships:

CIHR (Canadian Institute for Health Research) postdoctoral fellowship for Chris Dakin (mentor): "Visual and vestibular cue integration for causal inference of motion" (11/1/12-10/31/15)

NSBRI postdoctoral fellowship for Paul MacNeilage (mentor): "Psychophysics and modeling of spatial orientation perception" (2/1/07-1/31/09)

Howard Hughes Medial Student Fellowship for Robert Mallery (co-mentor): "Multimodal sensory integration in the elderly" (7/1/2006-6/31/2007)

NIH Postdoctoral fellowship F32 DC-007583 for Michael E. Shinder (co-mentor): “Evaluation of motor control functions in primate PIVC” (4/1/2005-3/31/2007)

NIH K08 DC006869 award for Tim Hullar (co-mentor): “Function of vestibular nerve afferent types” (7/1/2004-6/31/2009)

NIH Postdoctoral fellowship F32 DC-006540 for Aasef G. Shaikh (mentor): “Vestibular responses of rostral fastigial neurons” (9/1/2003-8/31/2004)

Human Frontier Science Program: Postdoctoral fellowship for Eliana M. Klier (mentor): “Updating visual space using extra-retinal signals: Role of the central thalamus” (1/1/2003-12/31/2005)

McDonnell Center for Higher Brain Function Postdoctoral fellowship for Yong Gu (co-mentor): “Neural mechanisms of self-motion perception” (7/1/2002-6/31/2004)

NIH Postdoctoral fellowship F32 DC-05271 for Andrea M. Green (mentor): “Dynamic processing of otolith signals during translation”(9/1/2001-8/31/2003)

McDonnell Center for Higher Brain Function Postdoctoral fellowship for Andrea M. Green (mentor): “Dynamic and spatial sensorimotor processing in the translational vestibuloocular reflex” (7/1/2000-6/31/2001)

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