

Curriculum Vitae

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CITIZENSHIP

U.S., German

APPOINTMENTS

2012 - present Visiting Scientist, Helen Wills Neuroscience Institute, UC Berkeley
2009 - present Professor of Psychology & Neuroscience, Princeton University
2005 - present Scientific Director, Neuroimaging Facility, Princeton University
2005 - 2009 Associate Professor of Psychology & Neuroscience, Princeton University
2000 - 2005 Assistant Professor of Psychology, Princeton University
1996 - 2000 Visiting Research Associate, National Institute of Mental Health (Drs. L.G. Ungerleider & R. Desimone)
1996 Lecturer, Dept. of Psychiatry, Medical School, University of Gottingen, Germany
1994-1996 Postdoctoral Research Fellow, MPI for Biophysical Chemistry, Gottingen/Germany (Drs. H.C. Nothdurft & I.N. Pigarev)
1988-1992 PhD student, Max-Planck-Institute for Biophysical Chemistry, Gottingen/Germany (Dr. O.D. Creutzfeldt)

EDUCATION

1993 National Hospital of Neurology, University of London, London, England
1992-1993 Medical School, Heinrich-Heine-University, Düsseldorf, Germany
1986-1991 Medical School, Georg-August-University, Göttingen, Germany
1988-1992 Dept. of Neurobiology, Max-Planck-Institute for Biophysical Chemistry, Göttingen, Germany
1983-1986 Faculties of History and Philosophy, Georg-August-University, Göttingen, Germany

QUALIFICATIONS

1995	Approbation (Permanent license to practice medicine)
1994	Ph.D., Göttingen, Germany
1993	M.D., Düsseldorf, Germany
1986	B.A. (History & Philosophy), Göttingen, Germany

OTHER PROFESSIONAL ACTIVITIES (external)

- Co-Chair, Gordon Research Conference 'Neurobiology of Cognition', 2020
- Editor-in-Chief, *Progress in Neurobiology*, 2018 -
- Senior Editor, *eLife*, 2016 - 2018
- Board Reviewing Editor, *eLife*, 2015
- Senior Editor, *Journal of Neuroscience*, 2009 – 2015
- Reviewing Editor, *Journal of Neuroscience*, 2006 – 2009
- Associate Editor, *Journal of Neuroscience*, 2005 – 2006
- Section Editor (Perception), *Neuropsychologia*, 2007 – 2013
- Handling Editor, *NeuroImage*, 2005 – 2008
- Section Editor (Attention), *The Cognitive Neurosciences V* (MIT Press, 2014)
- Section Editor (Attention & Working Memory), *The Cognitive Neurosciences VI* (MIT Press, 2018)
- Editor, *The Handbook of Attention* (with AC Nobre) (Oxford University Press, 2014)
- Other editorial board memberships: *Neuron*, *Cognitive Neuroscience*, *Brain Topography*, *Frontiers in Neuroscience*, *Neuropsychologia*, *NeuroForum*
- Member, Faculty of 1000, 2008 - present
- Member, NIH study section Central Visual Processing (CVP/SPC), 2008 – 2012
- Member, NINDS Director's Advisory Panel (Basic Research), 2008
- Ad hoc member for > 15 study sections, special emphasis panels since 2004
- NSF Cognitive Neuroscience review panel, 2005, 2006, 2011, 2013

OTHER PROFESSIONAL ACTIVITIES (internal)

- Scientific Director for the Scully Center, 2005 –
- Member, IACUC, 2017 –
- Executive Committee for the Scully Center, 2005 –
- Interdepartmental Committee for the Program in Neuroscience, 2000 –
- Council of the Princeton University Community, 2013 – 2016
- Search committee for Dean of the Graduate School, 2013
- Search committee for junior faculty (PNI), 2018
- Graduate admission committee (PNI), 2018
- Memorial event for Anne Treisman, 2018
- Chair, Search committee for junior faculty position (PNI), 2013
- Chair, Promotion committee for Matthew Botvinick, 2012

- Chair, Tenure committee for Uri Hasson, 2013
- Chair, Promotion committee for Tim Buschman, 2016
- Chair, Promotion committee for Yael Niv, 2017
- Search committee for junior faculty position (PNI), 2017

HONORS

- Special Lecture, Annual meeting of the Society for Neuroscience, San Diego, 2018
- Attneave Lecture, Department of Psychology, University of Oregon, Eugene, 2018
- Inaugurate Marianne Fillenz Lecture, Department of Physiology & Anatomy, University of Oxford, 2018
- Elected Member, International Neuropsychological Symposium, 2016
- Keynote Lecture, Vision Sciences Society meeting, St. Petersburg, FL, 2016
- Creutzfeldt Lecture, 11th Meeting of the German Neuroscience Society, Goettingen, Germany, 2015
- Key Note Lecture, Human Brain Mapping, Honolulu, HI, 2015
- Distinguished Fellow & SAGE Lecture, Sage Center for the Study of the Mind, Santa Barbara, 2014
- Donders Lecture, Donders Institute, Nijmegen, Netherlands, 2014
- 2nd Homewood Brain and Cognition Lecture, Johns Hopkins University, Baltimore, MD, 2012
- 4th Annual CCSN Invited Lecture, Washington University, St. Louis, 2012
- Fellow, American Psychological Society, 2010
- Young Investigator Award, Cognitive Neuroscience Society, 2005
- John McLean Jr., Presidential University Preceptorship, Princeton University, 2003 – 2006
- Fellows Award for Research Excellence, National Institutes of Health, 1999 & 2000
- Fellow of the German National Scholarship Foundation, 1985 – 1993

OUTREACH

- Specialty Chief Editor for open access kids science journal: Frontiers for Young Minds/Section: Understanding the Brain, 2015 – present
- Classroom projects at local elementary and middle schools (10 projects in 2017/2018), and in PNI
- Science on Tab: Visual perception: The Art of the Brain, 2018
- Annual Young Women's Science Conference, Princeton
- Presentations at ADHD support groups (2 presentations, 2 podcasts/radio interviews)

PROFESSIONAL SOCIETY MEMBERSHIPS

Society for Neuroscience
Cognitive Neuroscience Society

German Society for Neuroscience
 Organization for Human Brain Mapping
 Vision Sciences Society
 American Physiological Society

RESEARCH SUPPORT

- PI, NIH grant 1RO1 EY017699, “Functions of the thalamus in perception and cognition”, 2018-2022
- PI, NIH grant 2RO1 MH64043-10, “Neural basis of visual attention”, 2016-2021
- Co-PI, “Brain oscillations consortium”, J.S. McDonnell Foundation, 2016-2021
- Co-PI, NIH 21560-685-Project, Silvio O. Conte Center, Project 2: Dynamic thalamocortical gating of corticocortical communication in visual active sensing, 2017-2022

TEACHING (last 4 years)

2018 – 2019 NEU/PSY 202: Introduction to Cognitive Neuroscience
 2017 – 2018 FRS 119: The Human Toolmaker
 2016 – 2017 NEU/PSY 331: Introduction to Clinical Neuropsychology
 NEU 502: Cognitive and systems neuroscience
 2015 – 2016 NEU/PSY 331: Introduction to Clinical Neuropsychology
 NEU 502: Cognitive and systems neuroscience

INVITED TALKS (last 7 years)

2018

Cortex Symposium, INSERM, University of Lyon, Lyon, France
 Department of Neuroscience, UT Austin, Austin, TX
 Department of Psychology, University of Birmingham, Birmingham, UK
 Department of Neuroscience, UC Davis, Davis, CA
 Special Lecture, Society for Neuroscience, San Diego, CA
 Attneave Lecture, University of Oregon, Eugene, OR
 Marianne Fillenz Lecture, Oxford University, Oxford, UK
 Department of Psychology, University of Nevada, Reno, NV
 Graduate neuroscience program, University of California, San Diego, CA
 Neuroscience program, Columbia University, New York City, NY
 GRC, Neurobiology of Cognition, Sunday River, MN

2017

Cell symposium ‘Big Questions in Neuroscience’, Washington D.C.
 Pavlovian Society, Philadelphia, PA
 Brainy Days of Jerusalem, Jerusalem, Israel
 Interdisciplinary neuroscience program, Georgia Tech/Emory University, Atlanta, GA
 Cognitive Science program, University of Maryland, College Park, MD
 Keynote speaker, Cofees spring school, Jena, Germany
 Department of Psychology, Michigan State University, East Lansing, MI
 Department of Psychology, George Washington University, Washington, D.C.

Neuroscience program, Case Western University, Cleveland, OH
 CCNP, Rutgers University, New Brunswick, NJ
 Interdisciplinary Neuroscience Symposium, Lehigh University, Bethlehem, PA

2016

Brain Day Symposium, University of Waterloo, Waterloo, CA
 Swartz Symposium, Caltech, Pasadena, CA
 Computational Neuroscience Retreat Keynote Speaker, Boston University, Boston, MA
 CNBC Retreat Keynote Speaker, Pittsburgh, PA
 CNS Symposium, New York, NY
 Perception Symposium, Keynote Speaker, Beijing, China
 Neuroscience program, University of Lubeck, Germany
 Neuroscience & psychology programs, University of Maastricht, Netherlands
 Future of attention symposium, University of Rochester, Rochester, NY
 Gordon Conference, Los Angeles, CA
 Cognitive control processes, SfN satellite symposium, San Diego, CA
Keynote Lecture, 15th VSS meeting, St. Petersburg, FL
 Francis Crick Symposium, Rockefeller University, New York, NY

2015

Neuroscience Program, University of Stanford
 Department of Psychology, University of Delaware
 International Neuropsychological Society, Collioure, France
 Key Note Speaker, Human Brain Mapping Conference, Honolulu, HI
 NeuroHAM, Boston University, Boston, MA
 Department of Psychology, Dartmouth College, Hanover, NH
Creutzfeldt Lecture, 11th Meeting of the German Neuroscience Society, Gottingen, Germany
 Cognitive Neuroscience Program, University of Pennsylvania, Philadelphia, PA
 Neuroscience Program, University of Connecticut, Storrs, CT

2014

Symposium on Electrocorticography, Society for Neuroscience, Washington, D.C.
 Donders Lecture, Donders Institute, Nijmegen
 Gordon Research Conference, Newry, ME
 Neuroimaging Program, Medical College Wisconsin, Madison, WI
 Neuroscience Program, University of Kentucky, Louisville
 Neuroscience Program, Harvard University, Cambridge, MA
 Vision Seminar, Department of Psychology, Harvard University, Cambridge, MA

2013

Cognitive Neuroscience Summer Institute, Lake Tahoe, CA
 Attention symposium, CNS, San Francisco, CA
 Neuroscience program, University of Rochester
 Department of Neuroscience, Caltech, Pasadena, CA
 Neuroscience program, Duke University, NC
 Key Note Speaker, ASSC, San Diego, CA
 Department of Psychology, Ohio State University, Columbus, OH

Key Note Speaker, Neuroscience Symposium, University of NC, Chapelhill, NC

2012

Baylor Medical College, Houston, TX

Washington University, St. Louis,

Georgetown University, Washington D.C.

Johns Hopkins University, Baltimore, MD

UC Davis, Davis, CA

Vision Science Society (Symposium), Naples, FL

Society for Neuroscience (Chair), New Orleans, LO

University of Tuebingen (Workshop), Tuebingen, Germany

University of Montreal, Montreal, CA

MBI Cognitive Neuroscience Workshop, Columbus, OH