

Curriculum Vitae
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CITIZENSHIP

German
(Permanent Residence: USA)

APPOINTMENTS

2005 – present	Acting Director, Neuroimaging Facility, Center for the Study of Brain, Mind & Behavior, Princeton University, Princeton, NJ
2005 – present	Associate Professor (tenured), Dept. of Psychology, Princeton University, Princeton, NJ
2000 – 2005	Assistant Professor, Dept. of Psychology, Princeton University, Princeton, NJ
1998 - 2000	Visiting Research Associate, Laboratory of Brain & Cognition, National Institute of Mental Health, NIH, Bethesda, MD
1996 – 1998	Guest Researcher/Special Volunteer, Laboratory of Brain & Cognition, National Institute of Mental Health, NIH, Bethesda, MD
1996	Lecturer, Dept. of Psychiatry, Medical School, University of Göttingen, Germany
1994-1995	Postdoctoral Research Fellow, Dept. of Neurobiology, Max-Planck-Institute for Biophysical Chemistry, Göttingen, Germany
1988-1992	Graduate Student, Dept. of Neurobiology, Max-Planck-Institute for Biophysical Chemistry, Göttingen, Germany

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

PROFESSIONAL EXPERIENCE

2000 – present	Head of the Neuroscience of Perception and Attention Laboratory (www.princeton.edu/~napl), Department of Psychology, Center for the Study of Brain, Mind & Behavior, Princeton University, Princeton, NJ. Neural mechanisms of visual perception and selective attention, using a combination of methods including functional magnetic resonance imaging (fMRI), transcranial magnetic stimulation (TMS) in humans and fMRI and single-cell physiology in non-human primates.
1996 - 2000	Laboratory of Brain & Cognition, NIMH, NIH, Bethesda, MD, in the section of Dr. Leslie G. Ungerleider. Mechanisms of attention in the human visual system; sensory interactions and anatomical organization of ventral visual cortex using fMRI and TMS.
1996	Dept. of Psychiatry, Medical School, University of Göttingen, Göttingen, Germany. Neural correlates of preattentive vision in the human using visually evoked potentials. Transient perceptual deficits in the human visual system explored with TMS. Perceptual learning in visual search in patients with neurological and psychiatric disorders.
1994-1995	Dept. of Neurobiology, Max-Planck-Institute for Biophysical Chemistry, Göttingen, Germany, in the laboratory of Dr. Hans-Christoph Nothdurft. Neural correlates of pop-out in cat striate cortex. Neural correlates of visual search in V4 of macaques. (Single-cell physiology)
1992/93	Dept. of Neurobiology, MPI for Biophysical Chemistry, Göttingen, Germany in the psychoacoustic laboratory of Prof. Otto Creutzfeldt. Two-tone inhibition in neurons of the cat's medial geniculate body. (Single-cell physiology)

1988-1992 PhD thesis at the Dept. of Neurobiology, MPI for Biophysical Chemistry, Göttingen, Germany. Advisor: Prof. Dr. Otto Creutzfeldt. Neurophysiological correlates of simultaneous color and brightness contrast. (Single-cell physiology)

RESEARCH SUPPORT

- PI, NIH grant 2RO1 MH64043, “Neural basis of visual attention”, *pending*
- PI, NIH grant 1RO1 EY017699, “Functions of the thalamus in perception and cognition”, *pending*
- PI, NSF research grant, “Neural correlates of binocular rivalry”, *pending*
- PI, NAAR pilot research grant, “Towards a primate model of autism: Functional MRI studies on social cognition in behaving monkeys”, 2006-2007
- PI, NIH grant 1RO1 MH64043, “Mechanisms of attention in the human visual cortex”, 2002-2007
- Co-PI, NIH Center Grant “Cognitive and neural mechanisms of decision and control” (2P50 MH-62196), 2005-2010 (J. Cohen, Center Director, Princeton University)
- PI, NCR instrument grant 1S10RR16882, “Transcranial magnetic stimulation laboratory”, 2002-2003
- PI, Whitehall Foundation research grant 2001-05-66-APL, “Neural correlates of attention and working memory in the human brain”, 2001-2005
- Research grant by the German Research Society (DFG), 1996-1998

HONORS

- Young Investigator Award, Cognitive Neuroscience Society, 2005
- Reviewing Editor (Systems/Cognitive/Behavioral Section), *Journal of Neuroscience*, 2006 -
- Associate Editor (Systems/Cognitive/Behavioral Section), *Journal of Neuroscience*, 2005-2006
- Reviewing Editor (Systems Neuroscience Section), *NeuroImage*, 2005 -
- John Mclean, Jr., Presidential University Preceptorship, Princeton University, 2003 - 2006
- Fellows Award for Research Excellence, National Institutes of Health, 2000
- Fellows Award for Research Excellence, National Institutes of Health, 1999
- Fellow of the German National Scholarship Foundation, 1985-1993

PROFESSIONAL SERVICES (*internal*)

- Neuroscience Curriculum Committee, Program in Neuroscience, 2005-2006
- Executive Committee for the CSBMB, 2005-2009
- Interdepartmental Committee for the Program in Neuroscience, 2000-2007
- Faculty Committee on Classrooms and Schedule, 2002 - 2005
- Institutional Review Panel for Human Subjects, 2000-2003

PROFESSIONAL SERVICES (*external*)

- NSF Cognitive Neuroscience review panel, 2005 - 2006
 - NINDS workshop & study section NSD-C, 2006
 - NIMH special emphasis panel ZMH1 ERB-Y (03), 2005
 - NIH study section Cognition and Perception (CP), 2004
 - NIMH special emphasis panel ZMHI BRB-S (08), 2004
 - NSF Cognitive Neuroscience review panel, 2003
 - Scientific Advisory Board for Human Brain Mapping 2002 - 2004
 - Grant reviewer for the following organizations: National Institutes of Health, National Science Foundation, Netherlands Organization for Scientific Research, Wellcome Trust, British Research Council
 - Ad-hoc reviewer for the following journals (since 1997):

Brain*	Nature*
Brain Research Bulletin	Nature Neuroscience*
Brain Research*	NeuroImage*
Cerebral Cortex*	Neuron*
European J. Neuroscience*	Neuropsychologia*
Experimental Brain Research	Neuroscience
Human Brain Mapping	Perception & Psychophysics
J. Cognitive Neuroscience*	Trends in Cognitive Neuroscience*
J. Neurophysiology*	Vision Research*
J. Neuroscience*	Science*
J. Vision*	PloS Biology*
Current Biology*	
Proceedings of the National Academy of Sciences*	
Proceedings of the Royal Society (London) Series B	
- (* reviewed for during the last year)

PROFESSIONAL SOCIETY MEMBERSHIPS

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

TEACHING (Princeton University)

2005 – 2006 PSY 259a: Introduction to Cognitive Neuroscience (lectures/precepts)
 PSY 259b: Introduction to Cognitive Neuroscience (lectures/laboratories)

- 2003 – 2004 PSY 259a: Introduction to Cognitive Neuroscience (lectures/precepts)
 PSY 259b: Introduction to Cognitive Neuroscience (lectures/laboratories)
 PSY 090: Object representations in monkey visual cortex (reading class)
- 2002 – 2003 PSY 259a: Introduction to Cognitive Neuroscience (lectures/precepts)
 PSY 259b: Introduction to Cognitive Neuroscience (lectures/laboratories)
- 2001 – 2002 PSY 259: Introduction to Cognitive Neuroscience
- 2000 – 2001 PSY 253: Introduction to Neuroscience

INVITED PRESENTATIONS / CHAIRS (2001-2006)

2006

Department of Psychology, University of Illinois, Urbana-Champaign
 Department of Psychological and Brain Sciences, John Hopkins University, Baltimore
 PRISM Symposium, Princeton University, Princeton
 Department of Psychology, NYU, New York
 American Psychology Society, Annual Meeting, New York

2005

Department of Psychology, Oxford University, Oxford, England
 FDS Summer Course, Soria, Spain
 28th European Conference on Visual Perception, A Coruna, Spain
 Neuroscience Program, University of Berkeley, Berkeley

2004

Sackler Institute, Cornell University, New York City
 Center for Cognitive Neuroscience, University of Pennsylvania, Philadelphia
 Experimental Psychology Society, Lancaster, England
 34th Annual Meeting, Society for Neuroscience, San Diego (Chair)
 Institute for Cognitive Neuroscience, UCL, London
 Department of Psychology, Bangor, Wales

2003

Salk Institute, San Diego
 29th Goettingen Neurobiology Conference, Goettingen, Germany
 NIMH Retreat, Gettysburg
 33rd Annual Meeting, Society for Neuroscience, New Orleans (Chair)
 Department of Philosophy, Princeton University, Princeton

2002

Department of Psychology, University of California at San Diego
 Winter Brain Conference, Snowmass

Attention & Performance XX, Erice, Italy
SUNY, College of Optometry, New York
Department of Neurology, Magdeburg, Germany
Department of Psychology, University of California at Irvine
32nd Annual Meeting, Society for Neuroscience, Orlando (Chair)
New Jersey Neuroscience Institute, Edison, NJ

2001

Dept. of Brain and Cognitive Sciences, MIT, Cambridge
Center for Neural Science, New York University, New York
Functional Brain Imaging Symposium, ICCS, Beijing, China
DeLange Conference IV, Rice University, Baylor College of Medicine, Houston