

KAMBIZ TAVABI

Ph.D. Neuroscience, M.Sc. Psych, * 1977, Tehran, Iran
ktavabi@uw.edu

Research Scientist

Institute for Learning & Brain Sciences

University of Washington, Seattle, Washington

RESEARCH INTEREST

- Auditory Perception and Cognition
- Neural Dynamics and Computations in Cognition
- Methodological and Statistical Advances in Neuroscience
- Translational Neuroscience in Autism Spectrum Disorder

EDUCATION

- 2007 Dr. rer. Nat. (PhD), magna cum laude, Westphalia Wilhelm University, Muenster, Germany
- 2004 M.Sc., Psychology, University of Oregon, Oregon
- 2001 B.Sc., Physiological Sciences, University of California Los Angeles, Los Angeles, California

EMPLOYMENT

- 2014– *Research Scientist–Engineer 4 (ES 9)*,
Institute for Learning & Brain Science, University of Washington, Seattle, Washington
- 2011–2013 *Postdoctoral Researcher*,
Institute for Learning & Brain Science, University of Washington, Seattle, Washington, Prof.
Patricia K. Kuhl
- 2008–2011 *Postdoctoral Researcher*,
Department of Radiology Children’s Hospital of Philadelphia, Philadelphia, Pennsylvania, Prof.
Timohty P.L. Roberts

- 2007 *Visiting Scientist*,
Medical Research Council Cognition and Brain Sciences Unit, Cambridge, United Kingdom,
Prof. Dr. Friedemann Pulvermuller
- 2004–2007 *Research assistant (PhD student)*,
Institute for Biomagnetism and Biosignalanalysis, Westphalia Wilhelm University, Muenster,
Germany, Prof. Dr. Christo Pantev
- 2001–2003 *Research assistant (MS student)*,
Brain Development Lab, University of Oregon, Eugene, Oregon, Prof. Hellen Neville
- 2001 *Staff Research Associate 2*,
Department of Radiology, University of California Los Angeles, Los Angeles, California,
Dr. Pablo Villablanca
- 1999–2001 *Research assistant (BS student)*,
Department of Radiology, University of California Los Angeles, Los Angeles, California,
Dr. Pablo Villablanca
- 1999–2000 *Application Developer*,
Instructional Multimedia Production Laboratory, University of California Los Angeles, Los
Angeles, California
- 1998–2000 *Research assistant (BS student)*,
Department of Psychiatry and Biobehavioral Sciences, University of California Los Angeles,
Los Angeles, California, Dr. Jaime Villablanca
- 1998 *Intern*,
Center for Experiential Education and Service, University of California Los Angeles, Los
Angeles, California
- 1998–1999 *Technician*,
Kinetic Orthopedic Physical Therapy, Santa Monica, California
- 1997–1998 *Technician (BS student)*,
Department of Pediatrics, University of California Los Angeles, Los Angeles, California
- 1997 *Counselor*,
Young Men’s Club Association, Redwoods, California
- 1995–1997 *Service Officer*,
UCLA Police Department, University of California Los Angeles, Los Angeles, California

FUNDING

- 2017–2019 Mechanisms Underlying Autism
Paros
\$994,098
- 2015–2018 Functional neuroimaging of early brain development,
The Simms/Mann Institute,
\$300,000
- 2015–2017 Characterizing auditory brain activity in newborn infants,
Bezos Family Foundation (ECRF),
\$99,663
- 2010–2012 Electrophysiological investigations of spoken word recognition in children using
magnetoencephalography,
National Institute on Deafness and Other Communication Disorders,
\$35,000
- 2004–2007 BAT/1/2 Scholarship,
Westphalia Wilhelm University, Muenster, Germany,
€105,000

AWARDS AND HONOURS

- 2010– NIH-NIDCD Loan Repayment Award
- 2003– BAT/1/2 Scholarship, Westphalia Wilhelm University
- 2002– Distinguished Student Presenter Award, Cognitive Neuroscience Society

MEMBERSHIPS

- 2010– Society for Neuroscience
- 2006– Organization for Human Brain Mapping
- 2006– BIOMAG
- 2004– Cognitive Neuroscience Society

EDITORIAL SERVICES.....

2010– *Ad hoc reviews for:*
 Frontiers in Neuroscience
 Neuroscience Letters
 Journal of Cognitive Neuroscience,
 Brain,
 Cortex,
 Brain Research

ACADEMIC SERVICES.....

CO-Supervision of BSc/MSc theses:
 2006 Ludger Elling, Compensation for regressive place assimilation by the Listener: An MEG Study,
 Muenster, Germany

LIST OF PUBLICATIONS.....

Bibliographical Record

h-index – <i>how many papers with at least h citations</i>	5 (Google Scholar) 4 (Web of Science) 5 (Scopus)
i10-Index – <i>how many papers with at least 10 citations</i>	4
Total number of citations	170 (Google Scholar) 108 (Web of Science) 136 (Scopus)
Based on a total of	91 peer-reviewed publications
of which as first author	21
of which as senior author	44

⇒ [Kambiz Tavabi's profile at Google Scholar](#)

Peer-reviewed publications

1. Tavabi K, Embick D, Roberts TP. Word repetition priming-induced oscillations in auditory cortex: a magnetoencephalography study. *Neuroreport*. 2011 Dec 7;22(17):887-91. PubMed PMID: 21968323; PubMed Central PMCID: PMC3225085.

2. Roberts TP, Cannon KM, Tavabi K, Blaskey L, Khan SY, Monroe JF, Qasmieh S, Levy SE, Edgar JC. Auditory magnetic mismatch field latency: a biomarker for language impairment in autism. *Biol Psychiatry*. 2011 Aug 1;70(3):263-9. PubMed PMID: 21392733; PubMed Central PMCID: PMC3134608.
3. Tavabi K, Embick D, Roberts TP. Spectral-temporal analysis of cortical oscillations during lexical processing. *Neuroreport*. 2011 Jul 13;22(10):474-8. PubMed PMID: 21597392.
4. Tavabi K, Elling L, Dobel C, Pantev C, Zwitterlood P. Effects of place of articulation changes on auditory neural activity: a magnetoencephalography study. *PLoS One*. 2009;4(2): e4452. PubMed PMID: 19209225; PubMed Central PMCID: PMC2635960.
5. Tavabi K, Obleser J, Dobel C, Pantev C. Auditory evoked fields differentially encode speech features: an MEG investigation of the P50m and N100m time courses during syllable processing. *Eur J Neurosci*. 2007 May;25(10):3155-62. PubMed PMID: 17561829.
6. Villablanca JR, Schmanke TD, Crutcher HA, Sung AC, Tavabi K. The growth of the feline brain from fetal into adult life II A morphometric study of subcortical nuclei. *Brain Res Dev Brain Res*. 2000 Jul 30;122(1):21-33. PubMed PMID: 10915902.

Poster Presentations as first author:

- | | |
|------|--|
| 2017 | Center for Child Health & Development, Seattle, WA, USA
Human Brain Mapping Meeting, Vancouver, Canada |
| 2015 | Human Brain Mapping Meeting, Honolulu, HI, USA |
| 2013 | Human Brain Mapping Meeting, Seattle, WA, USA |
| 2012 | International Conference on Biomagnetism, Paris, France |
| 2010 | Society for Neuroscience, San Diego, CA, USA
International Conference on Biomagnetism, Dubrovnik, Croatia |
| 2006 | International Conference on Biomagnetism, Vancouver, Canada
Human Brain Mapping Meeting, Florence, Italy |
| 2004 | Cognitive Neuroscience Society, San Francisco, CA, USA |

Poster Presentations (Co- author)

- | | |
|------|---|
| 2017 | Human Brain Mapping Meeting, Vancouver, Canada
<i>Clarke et al.</i> |
| 2008 | Conference on Architectures & Mechanisms for Language Processing, Cambridge, UK
<i>Pulvermuller et al.</i> |

- 2004 Conference on the Processing of Metaphor and Metonymy - From Computers to
Neuropsychology, Granada, Spain
Myachykov et al.
- 1999 Society for Neuroscience, Miami Beach, FL, USA
Neville et al.

TEACHING.....

Courses and Lecture series

- 2003 Psychology 201, Mind and Brain: introduction to perception, memory, learning, and cognition,
(B.Sc.), 4.00 cr.

Journal Clubs · Colloquia

- 2009 Radiology Statistics Seminar: application of parametric and non-parametric data modeling
techniques (7-week seminar for MD residency students), Philadelphia, PA, USA