

Education

- 2008–2013 TECHNICAL UNIVERSITY BERLIN, GERMANY
BERNSTEIN CENTER FOR COMPUTATIONAL NEUROSCIENCE,
PhD (magna cum laude) Visual Consciousness and Corticocortical Connectivity in the Human Brain
- 2008 TECHNICAL UNIVERSITY MUNICH, GERMANY
MSc (summa cum laude) Major: Computer Science, Minor: Computer Linguistic
- 2007–2008 CALIFORNIA INSTITUTE OF TECHNOLOGY, USA
Master Thesis: Visual Saliency and Biological Inspired Text Detection
- 2001–2007 TECHNICAL UNIVERSITY MUNICH, GERMANY
Major: Computer Science, Minor: Computer Linguistic
- 1997–2001 HIGH-SCHOOL, BURSA KIZ LISESI, TURKEY
Graduation from High School (Ranked 1st)

Professional Experience

- 2014 Since Sep BERKELEY INSTITUTE FOR DATA SCIENCE, UC BERKELEY, USA
INTERNATIONAL COMPUTER SCIENCE INSTITUTE, BERKELEY, USA
Data Science Fellow
German Academic Exchange FITweltweit Postdoctoral scholar
- 2013 Since May HELEN WILLS NEUROSCIENCE INSTITUTE, UC BERKELEY, USA
Postdoctoral scholar
- 2007 July-Sep TECHNICAL UNIVERSITY MUNICH
IMAGE UNDERSTANDING & KNOWLEDGE-BASED SYSTEMS GROUP
Student assistant
- 2006 June-Sep SIEMENS CORPORATE TECHNOLOGIES
Internship
Development and Implementation of Dynamically Tunable Attractor Neural Networks
- 2004–2007 COMPUTER SCIENCE CENTRE BAVARIA
Student assistant
Planning Unix-Systems, Unix-Databases
Oracle Database Administrator

Book

- 2016 Kitzes, J., Turek D., Imamoglu F., editors, *The Practice of Reproducible Research: Case Studies in Data Science*. UC Press, in press.

Book chapter

- 2016 Imamoglu F., "pyMooney: Generating a Database of Two-Tone, Mooney Images ". In *The Practice of Reproducible Research: Case Studies in Data Science*. Kitzes, J., Imamoglu F., Turek D., editors. UC Press, in press.

- 2016 Turek D., Imamoglu F., "Introducing the Case Studies". In *The Practice of Reproducible Research: Case Studies in Data Science*. Kitzes, J., Imamoglu F., Turek D., editors. UC Press, in press.

Peer-reviewed Journal Publications

- 2016 Imamoglu F., Huth A. G., Gallant, J. L., Cortical organization of semantic representation during reading and listening to natural narratives revealed by fMRI (In preparation for submission)
- 2016 Wu M.*, Imamoglu F.*, Prenger R. and Gallant J. L., The unified maximum a posteriori (MAP) framework for neuronal system identification (* First authorship shared, in preparation for submission)
- 2016 Castelluccia C., Duermuth M., Golla M. and Imamoglu F., MooneyAuth: Towards Practical Implicit Memory-based Authentication (Submitted)
- 2015 Kizilirmak J. M., Gomes da Silva J. G., Imamoglu F., Richardson-Klavehn A., Generation and the subjective feeling of "aha!": Independent contributions to learning from insight, *Psychological Research* (epub ahead of print. doi.org/10.1007/s00426-015-0697-2)
- 2014 Imamoglu F., Heinzle J., Imfeld A. and Haynes J.-D., Activity in high-level brain regions reflects visibility of low-level stimuli, *Neuroimage*, 102:688-694
- 2014 Castelluccia C., Duermuth M. and Imamoglu F., Learning from Neuroscience to Improve Internet Security, *ERCIM News*, 99:46
- 2012 Imamoglu F., Kahnt T., Koch C. and Haynes J.-D., Changes in functional connectivity support conscious object recognition, *Neuroimage*, 63:1909-17

Selected Conference Talks and Posters

- 2016 Imamoglu F., Huth A. G., Gallant, J. L., The representation of semantics during reading and listening (Submitted for Society for Neuroscience).
- 2016 Imamoglu F., Huth A. G., Gallant, J. L., The representation of semantics during reading and listening, *Data Science Faire, Berkeley Institute for Data Science*, Talk.
- 2016 Oganessian L., Imamoglu F., Huth A. G., Gallant, J. L., Natural acoustic stimuli reveal tonotopic frequency maps in primary auditory cortex, *16th Annual Stanford Undergraduate Psychology Conference, Poster Session*.
- 2015 Imamoglu F., *Neural Data Science, CodeNeuro Meeting San Francisco*
- 2015 Oganessian L., Imamoglu F., Gallant, J. L., The representation of low-level acoustic features in the human brain, *Summer Undergraduate Research Fellowship Meeting Poster Session*.
- 2013 Imamoglu F., Koch C. and Haynes J.-D., MoonBase: Generating a database of two-tone "Mooney" images, *Vision Science Society, Poster Session*.
- 2012 Imamoglu F., Heinzle J., Imfeld A. and Haynes J.-D., High-level visual brain regions reflect visibility of low-level visual stimuli, *Society for Neuroscience, Poster Session 285.17*.
- 2012 Imamoglu F., Kahnt T., Koch C. and Haynes J.-D., Changes in functional connectivity support conscious object recognition, *Association for the Scientific Studies of Consciousness, 2012, Poster Session*.
- 2011 Imamoglu F., Kahnt T., Koch C. and Haynes J.-D., Changes in effective connectivity support conscious perception, *Society for Neuroscience, Nanasymposium on Human Visual Perception, 125.2, Talk*.

- 2011 Imamoglu F., Kahnt T., Koch C. and Haynes J.-D., Changes in effective connectivity support conscious object recognition, Berlin Brain Days, Session 4, Talk.
- 2010 Imamoglu F., Koch C. and Haynes J.-D., The moment of conscious perception, Perception 39 ECVF Abstract Supplement, page 123.

Patents (under review)

- 2016 Imamoglu F., Golla M., Duermuth M., Castelluccia C., Method for authenticating a user, associate system and computer program, International publication number: WO2015193389

Grants and Fellowship

- 2014–2017 Berkeley Institute for Data Science – Data Science Fellow
- 2014–2016 German Academic Exchange – FITweltweit PostDoctoral Fellowship
- 2015 Travel Grant 19th European Career Fair, Boston
- 2008–2013 Charité – Universitätsmedizin Berlin, Germany – PhD salary
- 2008 Technical University Munich, Germany – Scholarship for international students
- 2008 Technical University Munich, Germany – Travel grant for study abroad
- 2007–2008 California Institute of Technology, Pasadena, USA – GRA scholarship and grant

Teaching Experience

- 2016 Aug.-Dec. Data Science for Cognitive Neuroscience “Connector” Course for the Data Science Course, University California Berkeley (Fall 2016)
- 2016 June 6-10. Selected to participate in the University California Berkeley Faculty Short-Course on Data Science Pedagogy and Practice
- 2015 Aug. 17-18 Scientific computing with Python, University California Davis
- 2015 Jun. 4-5 Scientific computing with Python, Berkeley Institute for Data Science
- 2014 Dec. Software Carpentry instructor training, University California Davis
- 2014 May 3 Women in Tech Workshop for High School Girls, PyData Silicon Valley in Facebook, Menlo Park
- 2014 Feb. 27-28 Scientific computing with Python, Stanford University
- 2013 Mar. 21 Connectivity and Causality in the Brain: Non-invasive methods (org. Ryszard Aukstulewicz), Berlin School of Mind and Brain

Volunteer Work

- 2015 Since Jan. Mentor in Technical University Munich (TUM) Mentoring program.
- 2014 Since Feb. Instructor in the organization “Software Carpentry” to teach lab skills and programming in open source environments for scientific computing.
- 2010–2013 Mentor in the Humboldt University mentoring program “Club Lise” to motivate female high-school students to study natural sciences. (<http://didaktik.physik.hu-berlin.de/club-lise/lise-mentoring.php>)
- 2012 Jan - May Coordination and planning of the modernization of the Bursa Kiz Lisesi School Library, Turkey.

Languages

Fluent spoken/written in English, German and Turkish