Narges Doostani

narges.doostani.d@gmail.com

Education

1/2018-4/2023	**Ph.D. student,** Institute for Research in Fundamental Sciences (IPM), Tehran, Iran Advisors: Dr. Maryam Vaziri-Pashkam and Prof. Gholam-Ali Hossein-Zadeh Thesis Topic (with "Excellent" grade): *Effect of Attention on the Representations of Multiple Stimuli in the Human Visual Cortex*
1/2016-1/2018	**Maternity leave**
9/2014-1/2016	**Ph.D. student,** Institute for Research in Fundamental Sciences
2008-2011	**MS in Electronics,** Tarbiat Modarres University, Tehran, Iran Advisors: Prof. Shams Mohajerzadeh and Prof. Mohammad-Kazem Moravej-Farshi Thesis: *Fabrication of a Field Emission Pressure Sensor Based on Carbon Nanotubes*
2003-2008	**BS in Electrical Engineering,** University of Tehran, Tehran, Iran

Research Positions

2024-present	**Freie Universität Berlin,** Humboldt Postdoctoral Research Fellow Advisor: Prof. Radoslaw Cichy
2016-2023	**Institute for Research in Fundamental Sciences (IPM)**, Ph.D. student Advisors: Dr. Maryam Vaziri-Pashkam and Prof. Gholam-Ali Hossein-Zadeh
2010-2011	**Thin Film Laboratory, University of Tehran**, master student Advisor: Prof. Shams Mohajerzadeh

Publications

Doostani, N., Hossein-Zadeh, G. A., & Vaziri-Pashkam, M. (2023). The normalization model predicts responses in the human visual cortex during object-based attention. eLife, 12, e75726.

Doostani, N., Darbari, S., Mohajerzadeh, S., & Moravvej-Farshi, M. K. (2013). Fabrication of highly sensitive field emission based pressure sensor, using CNTs grown on micro-machined substrate. *Sensors and Actuators A: Physical*, *201*, 310-315.

Preprint

Doostani, N., Hossein-Zadeh, Gh., Cichy, R.M.,Vaziri-Pashkam, M. Attention Modulates Human Visual Responses to Objects by Tuning Sharpening.

Selected Conference Presentations

2023 **Doostani N.**, Cichy R.M., Hossein-Zadeh Gh., Viziri-Pashkam M., Effect of target-distractor similarity on attentional modulations in the human visual cortex, Poster presented at Cognitive Computational Neuroscience Conference, Oxford, UK.

2023 **Doostani N.**, Cichy R.M., Hossein-Zadeh Gh., Viziri-Pashkam M., Effect of target-distractor similarity on attentional modulations in the human visual cortex, Talk at the European Conference on Visual Perception, Paphos, Cyprus.

2021 **Doostani, N.**, Hossein-Zadeh, Gh., Vaziri-Pashkam, M., The Normalization Model Captures the Effects of Object-based Attention in the Human Visual Cortex. Talk at the Vision Science Society Conference, 2021.

2021 **Doostani N.**, Hossein-Zadeh Gh., Viziri-Pashkam M., The Normalization Model Captures the Effects of Object-based Attention in the Human Visual Cortex, Poster at the Third Sharif Neuroscience Symposium, Sharif University, Tehran.

Awards and Honors

2024	Humboldt Research Fellowship for postdoctoral researcher
2023	ECVP 2023 student travel award
2015	Educational scholarship of the Iran's National Elites Foundation
2014	1st in the national doctorate entrance exam for neuroscience (among 300 participants)
2003	Received the Japanese Government Scholarship (Monbukagakusho)
2002	Highly ranked (85th nationwide) in the national university entrance exam (among 0.5 million participants)
2001	Silver medal of the National Iranian Chemistry Olympiad

Teaching and Work Experiences

2012-2014	English Instructor at the Iran Language Institute
2008-2009	Translation of the book 'Blackholes' published by 'Sara-ye-Danesh' publishing house in 2009

Programming Skills

fMRI data analysis, Multivariate Pattern Analysis, Matlab (advanced), Psychtoolbox (advanced), Python (intermediate), R (beginner), Bash (intermediate), C++ (intermediate), Verilog (intermediate), hSpice (intermediate), ADS (intermediate).

Languages

Persian (native), English (fluent), French (fluent), German (conversational), Japanese (basic), Arabic (basic)

Volunteer Work

Collaboration with non-governmental social groups with a focus on helping children in need to improve their quality of life and to help with their education

Hobbies

History, Hiking, Calligraphy, Persian Literature, Playing the piano, Western classical and Iranian traditional music, Cooking