ALI RAHIMPOUR JOUNGHANI

Postdoctoral Researcher at C-Brain Lab
Email , LinkedIn , Google Scholar

EDUCATION

Postdoctoral Researcher, Department of Psychiatry and Behavioral Sciences *(September 2022- Present)*
Stanford School of Medicine, California, USA (cbrain.stanford.edu/)

Doctor of Philosophy, Psychological Sciences *(August 2017- July 2022)*
University of California Merced, California, USA (https://www.ucmerced.edu/)

- Faculty Committee: Heather Bortfeld, Rose Scott, Ramesh Balasubramaniam, and Elif Isbell
- Project title**:** The effect of contextually specific, action-based timing behavior on brain responses

Master of Science, Quantitative Methods, Quantitative Psychology *(September 2021)*
University of California Merced, California, USA (https://www.ucmerced.edu/)

Master of Science, Biomedical Engineering *(September 2013- August 2016)*
University of Tehran. Tehran, Iran (http://www.ut.ac.ir/en**)**

- Advisors: Hossein Ahmadi Noubari and Seyed Kamaledin Setarehdan
- Project title**:** Investigation of fNIRS application for infant cerebral hemodynamic monitoring: A report of data analysis for feature extraction and infant classification into healthy and unhealthy

Bachelor of Science in Biomedical Engineering *(January 2008 – September 2012)*
Sahand University of Technology, Tabriz, Iran (http://www.sut.ac.ir/en)

Diploma, Physics and Mathematics
School of Exceptional Talents under supervision of Shahrekord University, Shahrekord, Iran

AREAS OF EXPERTISE

- Cognitive Neuroscience
- Computational Neuroscience
- Machine Learning
- Precision Mental Health
- Neurotechnology
- Neuropsychiatry
- Advanced Neuroimaging
- Biomedical Engineering

TECHNICAL PROFICIENCIES

Programming:

- R, Python, MATLAB, Visual Studio, SAS, Stata, Mplus, SPSS, OpenBUGS, Excel

Computational Modeling:

Regression
- *GLM, Logistic Regression, Connectivity, Factor Analysis, SEM, MLM, longitudinal data analysis, Bayesian modeling*

Supervised Machine Learning
- *SVM, RBF, MLP, SOP, PCA, KNN*

Unsupervised Machine Learning
- *FCM, K-Means, ICA, SOM*

Bioinspired Computing
- *Genetic algorithm, ABC, ACO, WSN, Cellular Automata, Neural Network*

Deep Learning
- *CNN, RNN*

PROFESSIONAL EXPERIENCE

1. Mentoring Roles
- Served as second thesis reader of B.Sc. student and mentored PhD students, post-docs, and university researchers for fNIRS study design, experimental setup, data acquisition, and data analysis
- Mentees:
  - *Ivy Kilar- Undergrad student in Neuroscience, Duke University*
  - *Kenneth Nathanael Sarip- Undergrad student in EECS, University of California Berkeley*
  - Anna Aitken- *Graduated with a B.Sc. in Human Biology from Stanford School of Medicine*
  - Tulla Bee Picardi- *Graduated with a B.Sc. in Human Biology from Stanford School of Medicine*
  - Laura Moreno Carbonell- *Ph.D. student in Bioengineering at Stanford University*
  - Ester Patrize Lopez Aguilar- *Research coordinator at Stanford School of medicine*
  - Felix Hao Wang- *Assistant professor in Department of Psychology at University of Nevada Las Vegas*
  - Samantha R. O'Connell- *Postdoctoral researcher at Keck School of Medicine of University of Southern California*
  - Julianne Papadopoulos- *Master student at Keck School of Medicine of University of Southern California*
- **Duration:** *July 2019-present*

2. Wearable fNIRS Platform for Precision Mental Health
- **Project:** Conducting beta-testing, quality checking and data processing of custom-made wireless fNIRS headband for clinical application
- **Location:** Stanford University School of Medicine, Stanford, CA

- **Duration:** *September 2022-Present*

3. fNIRS/fMRI Study on Neurofeedback Intervention in Children with ADHD

- Conducting study design and fNIRS data preprocessing
- **Project:** Personalized neurofeedback and neuromonitoring intervention to improve working memory in children with ADHD
- **Location:** Stanford University School of Medicine, Stanford, CA
- **Duration:** *September 2022-Present*

4. Study of Fraction Processing in Primary School Children in South Africa

- Conducting fNIRS data processing
- **Project:** Investigating neurocognitive mechanisms of fraction processing in primary school children in South Africa
- **Location:** University of Johannesburg, Johannesburg, South Africa
- **Duration:** *July 2023-Present*

5. Organizing Committee Member and Chair

- **Event:** fNIRS in Neurodevelopment Research and fNIRS Standards Sessions, Society for Near-Infrared Spectroscopy (SfNIRS) Annual Meeting, 2021.
- **Duration:** *May 2021-May 2022*
- **Link:** http://fnirs2021.org/

6. Study of Executive Functioning in OSA Children

- Conducting fNIRS data preprocessing
- **Project:** Investigating Executive Functioning of OSA Children in pre- and post- Tonsillectomy
- **Location:** University of Maryland School of Medicine, Baltimore, MD
- **Duration:** *October 2021-November 2022*

7. Study of Auditory Stream Segregation

- Conducting experimental setup, data acquisition, and data processing.
- **Project:** Auditory stream segregation in cochlear implant users.
- **Location:** Department of Otolaryngology, Keck School of Medicine, University of Southern California, Los Angeles, CA
- **Duration:** *May 2021-January 2022*

8. Study of Action-based Timing Behavior

- **Project:** Conducting EEG and fNIRS projects related to rhythm perception, timing behavior, and auditory-motor network interaction.
- **Location:** University of California, Merced, CA
- **Duration:** *August 2018-May 2022*

9. MATLAB-based NIRS Toolbox Development

- Troubleshooting, beta testing, and development of MATLAB-based NIRS Toolbox
- **Duration:** *August 2017-Present*

10. R&D Biomedical Engineer

- Contributing to testing and data processing of fNIRS system, researching pain-transmission pathways, improving neuromuscular electrical stimulation, and designing experiments for EOG systems.
- **Location:** NR Sign Inc., Tehran, Iran
- **Duration:** *May 2016-July 2017*

PUBLICATIONS

Aitken, A., **Jounghani, A. R**., Carbonell, L. M., Tadeo, D., Kumar, A., Crawford, S., ... & Hosseini, S. H. (2025). Naturalistic fNIRS assessment reveals decline in executive function and altered prefrontal activation following social media use in college students. *Scientific Reports*, *15*(1), 36960.

Fonseca, K., Nemati, P., **Jounghani, A. R.**, Henning, E., & Soltanlou, M. (2025). Neural correlates of fraction magnitude processing in high and low achieving primary school children in South Africa. *Cognitive Development*, *76*, 101636.

Yücel, M. A., Luke, R., Mesquita, R. C., von Lühmann, A., Mehler, D. M., Lührs, M., ... & Zemanek, V. (2025). fNIRS reproducibility varies with data quality, analysis pipelines, and researcher experience. *Communications biology*, *8*(1), 1149.

O'Connell, S. R., **Rahimpour Jounghani, A**., Papadopoulos, J. M., Bortfeld, H., & Goldsworthy, R. L. (2025). Investigating Hemodynamic Patterns During Beat Processing in Cochlear Implant Users: Insights from a Finger Tapping Study. *Auditory Perception & Cognition*, 1-25.

Rahimpour Jounghani, A., Kumar, A., Moreno Carbonell, L., Aguilar, E. P. L., Picardi, T. B., Crawford, S., ... & Hosseini, S. M. (2025). Wearable fNIRS platform for dense sampling and precision functional neuroimaging. *npj Digital Medicine*, *8*(1), 1-12.

Gozdas, E., Kim, T., **Jounghani, A. R**., & Hosseini, S. H. (2025). Protocol to predict time perception bias from cortical neurite microstructures in healthy older adults. *STAR protocols*, *6*(2), 103756.

Stute, K., Gossé, L. K., Montero-Hernandez, S., Perkins, G. A., Yücel, M. A., Cutini, S., **...** & Zainodini, H. (2025). The fNIRS glossary project: a consensus-based resource for functional near-infrared spectroscopy terminology. *Neurophotonics*, *12*(2), 027801-027801.

Kumar, A., Crawford, S., Le, T. C., **Jounghani, A. R.**, Carbonell, L. M., Capps, A. S., ... & Bowden, A. K. (2024). NIRDuino: A modular, Bluetooth-enabled, Android®-configurable fNIRS system with dual-intensity mode built on Arduino®. *medRxiv*, 2024-12.

Jounghani, A. R., Gozdas, E., Dacorro, L., Avelar-Pereira, B., Reitmaier, S., Fingerhut, H., ... & Hosseini, S. H. (2024). Neuromonitoring Guided working memory intervention in children with ADHD. *iScience*.

Yücel, M. A., Luke, R., Mesquita, R. C., von Lühmann, A., Mehler, D. M., Lührs, M., **...** & Zemanek, V. (2024). The fNIRS Reproducibility Study Hub (FRESH): Exploring Variability and Enhancing Transparency in fNIRS Neuroimaging Research.

Kim, T., **Jounghani, A. R**., Gozdas, E., & Hosseini, S. H. (2024). Cortical Neurite Microstructural Correlates of Time Perception in Healthy Older Adults. *Heliyon*.

Jounghani, A. R., Backer, K. C., Vahid, A., Comstock, D. C., Zamani, J., Hosseini, H., ... & Bortfeld, H. (2024). Investigating the role of auditory cues in modulating motor timing: insights from EEG and deep learning. *Cerebral Cortex*, 34(10), bhae427.

Rahimpour Jounghani, A., Lanka, P., Pollonini, L., Proksch, S., Balasubramaniam, R., & Bortfeld, H. (2023). Multiple levels of contextual influence on action-based timing behavior and cortical activation. *Scientific Reports*, *13*(1), 7154.

Ghafari, T., **Jounghani, A.R**. & Esteky, H. (2023). Where and when matter in visual recognition. *Atten Percept Psychophys* 85, 404–417. https://doi.org/10.3758/s13414-022-02607-y

Rahimpour, A., Pollonini, L., Comstock, D., Balasubramaniam, R., & Bortfeld, H. (2020). Tracking differential activation of primary and supplementary motor cortex across timing tasks: An fNIRS validation study. *Journal of Neuroscience Methods*, 108790.

Ebrahimzadeh, E., Shams, M., **Jounghani, A. R**., Fayaz, F., Mirbagheri, M., Hakimi, N., ... & Soltanian-Zadeh, H. (2020). Localizing confined epileptic foci in patients with an unclear focus or presumed multifocality using a component-based EEG-fMRI method. *Cognitive Neurodynamics*, 1-16.

Rahimpour, A., Noubari, H. A., & Kazemian, M. (2018). A case-study of NIRS application for infant cerebral hemodynamic monitoring: A report of data analysis for feature extraction and infant classification into healthy and unhealthy. *Informatics in Medicine Unlocked*, *11*, 44-50.

Rahimpour, A., Dadashi, A., Soltanian-Zadeh, H., & Setarehdan, S. K. (2017, April). Classification of fNIRS based brain hemodynamic response to mental arithmetic tasks. In *2017 3rd International Conference on Pattern Recognition and Image Analysis (IPRIA)* (pp. 113-117). IEEE.

Jahani, S., Berivanlou, N. H., **Rahimpour, A**., & Setarehdan, S. K. (2015, November). Attention level quantification during a modified stroop color word experiment: an fNIRS based study. In *2015 22nd Iranian Conference on Biomedical Engineering (ICBME)* (pp. 99-103). IEEE.

PRESENTATIONS

Soltanlou, M., Fonseca, K., Bezuidenhout, H. S., Nemati, P., **Rahimpour Jounghani, A.**, Borj Khani, H., & Henning, E. (2025, September). *Neuroscience of mathematics learning in children—Application of fNIRS in South Africa*. The UK fNIRS Conference, United Kingdom.

Rahimpour Jounghani, A., Moreno Carbonell, L., Kumar, A., Bowden, A. K., & Hosseini, H. (2025, May). *Advancing individualized functional neuroimaging with a wearable fNIRS platform: A proof-of-concept study on dense-sampling and reliability*. The American Psychiatric Association (APA) Annual Meeting, Los Angeles, CA, USA.

Aguilar, E. P., **Rahimpour Jounghani, A**., Hosseini, H., & Hall, S. (June 2025). *Functional Near-Infrared Spectroscopy of Skin Picking Behavior in Prader-Willi Syndrome*, *Presented at* International Prader-Willi Syndrome Conference*,* Phoenix, AZ.

Rahimpour Jounghani, A., Gozdas, E., Dacorro, L., &Hosseini, S.M.H. (July 2024). *Neuromonitoring-Guided Working Memory Intervention in Children with ADHD*. The 2024 Annual Society of Biological Psychiatry (SOBP) Annual Meeting, Austin, TX.

Rahimpour, A. (July 2023). *Wearable Brain Interfaces for Health*. eWEAR Seminar talk https://wearable.su.domains/ewear-seminar-july/ , Stanford, CA.

Rahimpour, A., Moreno Carbonell, L., Lopez Aguilar, P., Picardi, T., & Hosseini, H. (July 2023). *Portable fNIRS Platform for Cognitive Enhancement and Precision Mental Health*. Center for Mind, Brain, Computation and Technology, Wu Tsai Neurosciences Institute, Stanford, CA.

Rahimpour, A., Kumar, A., Crawford, S., Bowden, A., & Hosseini, H. (October 2023). *Wearable fNIRS Platform for Precision Mental Health*. Innovation and Discovery Expo, Stanford, CA.

R. O'Connell, S., **Rahimpour, A**., Papadopoulous, J., Nowlen, F., Bortfeld, H., Goldsworthy, R. (Oct 2022). *Cochlear Implant Users and Normal-Hearing Listeners Have Contrasting Hemodynamic Changes During Auditory Beat Processing Despite Similar Behavioral Responses.* Biennial Meeting of the Society for functional Near Infrared Spectroscopy (SfNIRS), Boston, MA.

Isaiah, A., Matthew, N., **Rahimpour, A**., Pereira, K., Bortfeld, H. (Oct 2022). *Tracking Prefrontal cortex activation predicts impulsiveness in children with sleep disordered breathing*. Biennial Meeting of the Society for functional Near Infrared Spectroscopy (SfNIRS), Boston, MA.

R. O'Connell, S., **Rahimpour, A**., Papadopoulous, J., Nowlen, F., Bortfeld, H., Goldsworthy, R. (Feb 2022). *Tracking motor and auditory cortex activation during synchronous tapping in cochlear implant users and normal-hearing listeners: An fNIRS validation study*. 45th Annual Conference of Association for Research in Otolaryngology (ARO), San Jose, CA.

Ghafari, T., **Rahimpour, A**., Esteky, H. (September 2021). *Memory Performance is heterogeneous around visual field*. Brenstein Network Computational Neuroscience Conference, 2021.

Rahimpour, A., Pollonini, L., Comstock, D., Balasubramaniam, R., & Bortfeld, H. (October 2021). *The effect of study design context on timing behavior and cortical brain activation: fNIRS alternating vs. block design study*. Society for Virtual fNIRS Conference 2021.

Rahimpour, A., Comstock, D., Pollonini, L., Balasubramaniam, R., & Bortfeld, H. (January 2021). *Tracking differential activation of primary and supplementary motor cortex across timing tasks: An fNIRS validation study*. 4th Annual Boston University Neurophotonics Symposium, Boston, MA.

Rahimpour, A., Comstock, D., Pollonini, L., Balasubramaniam, R., & Bortfeld, H. (January 2021). *The effect of study design context on timing behavior and cortical brain activation: fNIRS alternating vs. block design study*. 4th Annual Boston University Neurophotonics Symposium, Boston, MA.

Ebrahimzadeh, E., Shams, M., **Rahimpour Jounghani, A**., Fayaz, F., Mirbagheri, M., Hakimi, N., ... & Soltanian-Zadeh, H. (2019). *Epilepsy Presurgical Evaluation of Patients with Complex Source Localization by a Novel Component-Based EEG-fMRI Approach*. Iranian Journal of Radiology, 16(Special Issue).

Rahimpour, A., Pollonini, L., Comstock, D., Balasubramaniam, R., & Bortfeld, H. (November 2019). *Tracking differential activation of primary and supplementary motor cortex across timing tasks: an fNIRS validation study.* 60th Annual Meeting of Psychonomic Society, Montreal, Quebec, Canada.

Rahimpour, A., Pollonini, L., Comstock, D., Balasubramaniam, R., & Bortfeld, H. (June 2019). *Tracking differential activation of primary and supplementary motor cortex across timing tasks: an fNIRS validation study.* 20th Annual UC Systemwide Bioengineering Symposium, Merced, CA.

Rahimpour, A., Comstock, D., Pollonini, L., Balasubramaniam, R., & Bortfeld, H. (May 2019). *Tracking differential activation of primary and supplementary motor cortex across timing tasks: An fNIRS validation study*. Berkeley/Stanford Developmental Psychology Symposium, Berkeley, CA.

Rahimpour, A., Pollonini, L., Comstock, D., Balasubramaniam, R., & Bortfeld, H. (March 2019). *Tracking differential activation of primary and supplementary motor cortex across timing tasks: an fNIRS validation study.* 26th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA.

Borjkhani, M., Khazenifard A., & **Rahimpour, A**. (May 2014). *Probabilistic Study of different synchronization measures: Application to electroencephalographic.* Poster presented at Brain and Clinical Neuroscience Congress (BCNC), Tehran, Iran.

TEACHING EXPERIENCE

1. **Lecturer, CMP Academy -** *Summer 2024-Present*
   - Volunteer mentorship for teaching low-income students in neuroscience, cognitive science, and neurobiology topics.

2. **Guest Lecturer, Summer Seri Talk -** *Summer 2023-Present*
   - Conducted sessions on the Introduction of fNIRS and its Clinical Applications.

3. **Guest Lecturer-** *Winter 2023-2025*
   - Conducted sessions on the Introduction of fNIRS and Analysis under the guidance of Instructor Hadi Hosseini.

4. **Teaching Assistant, Cognitive Psychology -** *Spring 2022*
   - Supported instructor Robert Yancey in the delivery of Cognitive Psychology coursework.

5. **Teaching Fellow, Industrial/Organizational Psychology -** *Fall 2021*
   - Served as a Teaching Fellow for the Industrial/Organizational Psychology course instructed by Ross Avilla.

6. **Teaching Fellow, Developmental Cognitive Neuroscience -** *Spring 2021*
   - Assisted Instructor Heather Bortfeld as a Teaching Fellow for the Developmental Cognitive Neuroscience course.

7. **Teaching Assistant, Physiological Psychology -** *Fall 2020*
   - Supported instructor Meaghan Altman in the delivery of Physiological Psychology coursework.

8. **Teaching Assistant, Industrial/Organizational Psychology -** *Fall 2020*
   - Assisted Ross Avilla as a Teaching Assistant for the Industrial/Organizational Psychology course.

9. **Teaching Assistant, Cognitive Psychology -** *Spring 2020*
   - Supported instructor Robert Yancey in the delivery of Cognitive Psychology coursework.

10. **Teaching Assistant, Cognitive Development -** *Fall 2019*
    - Assisted instructor Robert Yancey in the Cognitive Development course during the Fall semester.

11. **Guest Lecturer-** *Summer 2019*
    - Conducted sessions on the Introduction of Neuropsychology under the instruction of Anabel Castillo.

12. **Guest Lecturer-** *Summer 2019*
    - Conducted sessions on the Introduction of Neuroimaging Methods under the instruction of Anabel Castillo.

13. **Teaching Assistant, Developmental Cognitive Neuroscience -** *Spring 2019*
    - Supported Instructor Heather Bortfeld in the delivery of the Developmental Cognitive Neuroscience course.

14. **Teaching Assistant, Alcohol, Drugs, and Behaviors -** *Fall 2017 & 2018*

- Assisted Robert Yancey in teaching the Alcohol, Drugs, and Behaviors course during the Fall semesters of 2017 and 2018.

15. Teaching Assistant, Clinical Neuropsychology - *Spring 2018*
- Supported instructor Alex Khislavsky in the delivery of Clinical Neuropsychology coursework.

16. Teaching Assistant, Statistical Pattern Recognition - *Fall 2015*
- Assisted Babak Nadjar Araabi in the delivery of the Statistical Pattern Recognition course.

17. Teaching Assistant, Introduction of Biomedical Instruments - *Fall 2015*
- Assisted Kamaledin Setarehdan in the delivery of the Biomedical Instruments course.

18. Teaching Assistant, Designing Linear Control Systems - *Spring 2012*
- Supported Ahmad Akbari in the delivery of the Designing Linear Control Systems course.

19. Teaching Assistant, Advanced Electronics - *Spring 2011*
- Assisted E Najafi Aghdam in the delivery of the Advanced Electronics course.

20. Teaching Assistant, Engineering Mathematics - *Fall 2010*
- Supported instructor Sadeghi Yazdankhah in the delivery of the Engineering Mathematics course.

AD HOC EDITOR & REVIEWER

1. **Reviewer and Editorial Board Member, Heliyon Cell Press -** *July 2024-Present*
   - Served as a guest editor and provided comprehensive review for submissions in July 2024.

2. **Reviewer, Scientific Reports**, **Frontiers in Human Neuroscience**, **Sensors**, **Imaging Neuroscience, Artificial Intelligence Review**
   - Provided comprehensive review for submissions during 2023-2025.

3. **Reviewer, IEEE Access: The Multidisciplinary Open Access Journal -** *June 2024*
   - Provided comprehensive review for submissions to IEEE Access in June 2024.

4. **Reviewer, Association for Psychological Science (APS) -** *September 2023*
   - Provided comprehensive reviews for submissions to APS in September 2023.

5. **Guest Editor, Frontiers in Human Neuroscience -** *August 2023*
   - Served as a guest editor for the special issue of Frontiers in Human Neuroscience in August 2023.

6. **Reviewer, MCHRI Abstracts -** *October 2023*

- Evaluated and provided feedback on abstract submissions for the MCHRI Symposium in October 2023.

7. Guest Editor, Behavioral Brain Research-Special Issue - *February 2023*
- Took on the role of guest editor for the special issue of Behavioral Brain Research in February 2023.

8. Reviewer, NeuroImage - *December 2022*
- Conducted a thorough review of submissions for the NeuroImage journal in December 2022.

9. Associate Editor, Frontiers in Human Neuroscience - *November 2021*
- Acted as an associate editor for the Frontiers in Human Neuroscience journal in November 2021.

10. Reviewer, Society of SfNIRS Conference 2021 - *August 2021*
- Provided reviews for submissions to the Society of SfNIRS Conference in August 2021.

11. Reviewer, Medical and Biological Engineering and Computing (MBEC) - *July 2021*
- Conducted reviews for submissions to the Medical and Biological Engineering and Computing journal in July 2021.

12. Contributing Reviewer, Cortex Journal - *August 2021*
- Contributed reviews for the Cortex journal in August 2021.

13. Contributing Reviewer, Journal of Cognitive Neuroscience - *June 2021*
- Offered reviews for submissions to the Journal of Cognitive Neuroscience in June 2021.

14. Contributing Reviewer, PNAS Journal - *March 2021*
- Provided reviews for submissions to the PNAS journal in March 2021.

15. Contributing Reviewer, Frontiers in Human Neuroscience Journal - *Jan 2021*
- Contributed reviews for the Frontiers in Human Neuroscience journal in January 2021.

16. Contributing Reviewer, Cerebral Cortex Journal - *December 2020*
- Provided reviews for submissions to the Cerebral Cortex journal in December 2020.

17. Reviewer, Biomedical Engineering: Applications, Basis, and Communications Journal - *July 2020*
- Conducted reviews for submissions to the Biomedical Engineering: Applications, Basis, and Communications journal in July 2020.

18. Contributing Reviewer, Journal of Infant, Behavior and Development - *December 2020*
- Contributed reviews for the Journal of Infant, Behavior and Development in December 2020.

19. **Reviewer, IEEE/ Transaction on Neural Systems & Rehabilitation Engineering -** *January 2020*
- Conducted reviews for submissions to the IEEE/ Transaction on Neural Systems & Rehabilitation Engineering in January 2020.

20. **Contributing Reviewer, Elsevier Journals: Hearing Research, Medical Hypothesis, Computer Methods and Programs in Biomedicine -** *December 2017*
- Contributed reviews for various Elsevier journals, including Hearing Research, Medical Hypothesis, and Computer Methods and Programs in Biomedicine, in December 2017.

21. **Contributing Reviewer, Research Project Grant Proposal, Leverhulme Trust -** *August 2019*
- Provided reviews for a research project grant proposal submitted to the Leverhulme Trust in August 2019.

HONORS & AWARDS

1. Granted co-PI role on NIH STTR Phase I award for the development of wearable fNIRS for children with ADHD *(June 2025)*

2. Finalist pitch presenter, Demo Day 2025, Stanford Founders Demo Day *Featured in*: Stanford Daily *(May 2025)*

3. Featured in Stanford Report News for neurofeedback and brain research in ADHD Stanford News *(March 2025)*

4. Article awarded and highlighted in Stanford Science Highlights *(March 2025)*

5. Completed Stanford Graduate School of Business Startup Garage program successfully *(March 2025)*

6. Highlighted and featured for neurofeedback work in Stanford Venture Studio *(Feb 2025)*

7. Finalist recognition, Wearable Technologies Innovation World Cup 2024 *Featured in*: Wearable Technologies Conference Agenda *(Oct 2024)*

8. Chosen as a finalist for the Stanford University High Impact Technology (HIT) Fund (*Sep 2024*)

9. NIH T32 Postdoctoral Fellowship in the Center for Interdisciplinary Brain Sciences Research, Stanford School of Medicine, CA, USA *(June 2024)*

10. Competitive Hatano Cognitive Development Research fellowship award, UC Merced, CA, USA *(May 2021)*

11. Accepted innovative proposal and attending advances workshop in UC Berkeley NSF-Innovation Corps program *(Oct 2020)*

12. Competitive Developmental Student Research award, UC Merced, CA, USA *(June 2020)*

13. Awarded Bobcat Research Support fellowship, UC Merced, CA, USA. *(Summers, 2018-2022)*

14. Awarded University of California GSA Travel grant, UC Merced, CA, USA. *(Winter 2019)*

15. Awarded research grant from Mofid children's hospital. *(Spring 2017)*

16. Awarded research grant from Cognitive Sciences and Technologies Council (CSTS) of Iran. *(Summer 2016)*

EXTRACURRICULAR ACTIVITIES

1. Organizing committee member of SfNIRS conference (http://fnirs2021.org/) *(May 2021)*

2. Member of Iranian Students of California (ISC) *(August 2020- May 2021)*

3. fNIRS laboratory tour guide of high school students, Bortfeld lab, University of California, Merced, California *(February 2020)*

4. Graduate student organizer of Developmental Psychology Colloquium Series (January 2020-May 2020*)*

5. Member of Cognitive Neuroscience Society (CNS) *(January 2019- January 2021)*

LANGUAGE SKILLS

- Persian (Native)
- English (Fluent)
- Arabic (Elementary)
- Deutsch (Familiar)
- Turkish (Familiar)

REFERENCES

Hadi Hosseini
Associate Professor (Research) of Psychiatry and Behavioral Sciences (Interdisciplinary Brain Science Research), Stanford University School of Medicine, Palo Alto, California, USA.
hosseiny@stanford.edu

David S. Hong

Associate Professor (Research) of Psychiatry and Behavioral Sciences (Interdisciplinary Brain Science Research), Stanford University School of Medicine, Palo Alto, California, USA.
dshong@stanford.edu

Elveda Gozdas
Clinical Assistant Professor of Psychiatry and Behavioral Sciences, Stanford University School of Medicine, Palo Alto, California, USA.
elvedags@stanford.edu

Heather Bortfeld
Professor of developmental cognitive neuroscience, Department of Psychological Sciences and Cognitive and Information Sciences, University of California, Merced, Merced, California, USA. hbortfeld@ucmerced.edu

Ramesh Balasubramaniam
Professor of cognitive science, Cognitive and Information Sciences, University of California, Merced, California, USA. ramesh@ucmerced.edu

Luca Pollonini
Associate professor, Department of Engineering Technology and Electrical and Computer Engineering, University of Houston, TX, USA. lpolloni@central.uh.edu

Kristina Backer
Assistant professor of cognitive science, Cognitive and Information Sciences, University of California, Merced, California, USA. ramesh@ucmerced.edu