

Stanford

Hoda Hashemi

Postdoctoral Scholar, Radiological Sciences Laboratory

Bio

BIO

Hoda S. Hashemi is a postdoctoral scholar at the Ultrasound Imaging & Instrumentation Lab at Stanford University. She received her PhD in Electrical and Computer Engineering from the University of British Columbia (UBC) in 2023. She was also an ultrasound research intern in research and innovation team at DarkVision Technologies Inc. from 2021 to 2023. She holds a M.A.Sc. from Concordia University and a B.Sc. from Sharif University of Technology. Her research interests are ultrasound molecular imaging, elastography and AI in medical image processing. Her research has been funded by the NIH T32 Fellowship at Stanford, the Canadian NSERC Postdoctoral Fellowship, and the Ultrasound Imaging & Instrumentation Lab at Stanford University.

HONORS AND AWARDS

- NIH T32 (SCIT) Fellowship, Stanford University (2024-2025)
- NSERC Postdoctoral Fellowship, Natural Sciences and Engineering Research Council of Canada (2024-2025)
- President's Academic Excellence Award, The University of British Columbia (2020-2023)
- Faculty of Applied Science Graduate Award, The University of British Columbia (2017-2023)
- Four Year Fellowship (4YF) Award, The University of British Columbia (2017-2021)
- ECE MASc. Convocation Award (Best MSc. student), Concordia University (2018)
- Power Corporation Of Canada Scholarship, Concordia University (2016-2017)
- The Clara Strozyk Scholarship, Concordia University (2015-2016)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of British Columbia , Electrical and Computer Engineering (2023)
- Master of Applied Science, Concordia University , Electrical and Computer Engineering (2017)
- Bachelor of Science, Sharif University of Technology , Electrical and Computer Engineering (2014)

STANFORD ADVISORS

- Jeremy Dahl, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Enhancing Ultrasound Molecular Imaging: RPCA-Based Filtering to Differentiate Tumor-Bound and Free Microbubbles**
Hashemi, H. S., Hyun, D., Baek, J., Natarajan, A., Tabesh, F., Paulmurugan, R., Dahl, J. J., IEEE
IEEE.2024