



THE UNIVERSITY
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Dear Reviewing Committee,

It is my pleasure to recommend Dr. Marzieh Esmaeili as a candidate for the position of Post-doc Researcher in the IPM School of Computer Science. I have known Marzieh for four years since she was a PhD student in medical informatics at Tehran University of Medical Sciences.

As a Ph.D. student, she was very interested in important research topics. Her Ph.D. dissertation was to evaluate and improve deep learning-based anomaly detection methods in medical imaging with unsupervised methods, which shows her mastery of emerging research and the ability to tackle new and challenging issues and learn important skills. She was able to master important topics in biomedical imaging and communicate effectively with experts. She has proved to be an intelligent, hardworking, and responsible person with a good ability to communicate.

I was especially impressed with Marzieh as we went through finalization of her paper, which we ended up publishing at IEEE access in 2023. The article (first authored by her) was entitled “Generative adversarial networks for anomaly detection in biomedical imaging: A study on 7 medical image datasets” and surprised me in how thoroughly researched it was and I enjoyed professional strengths of Marzieh as she went through efforts needed to make this work accepted and published.

Highly productive collaborations with other professors alongside her thesis also led to publishing of other papers. She has also served as a Scientific reviewer of multiple respected journals. These records show her eagerness to carry on valuable research work and a strong potential in writing and publishing papers.

Overall, I enthusiastically support Dr. Marzieh Esmaeili. She is a talented researcher. I expect her to continue to be as productive and creative as she was. She would be a good catch for any department, and I recommend you to consider her application. Please feel free to contact me if I can be of any further assistance in your review of her candidacy.

Sincerely,

Arman Rahmim, PhD, DABSNM, FSNMMI
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