Postdoctoral Research Fellowship
Data Science and Deep Learning

Hasso Plattner Institute for Digital Health
Icahn School of Medicine at Mount Sinai

We are inviting applications for a Postdoctoral Research Fellowship position in digital health-personalized medicine with a specific interest in applications to electronic health records (EHR), digital technologies in human health, and its innovative integrations.

The institute has a vested interest in using advanced data science methodologies and digital technologies to push forward precision medicine and personalized health services. Key topics of interest include but are not limited to: predictive modeling for disease outcomes and personalized therapeutic recommendations, development and/or implementation of digital and sensor technologies on mobile devices, and multimodal data integration.

The successful candidate will be assigned to and work with research teams under supervision of the PI at the Digital Discovery Program of the Hasso Plattner Institute for Digital Health at Mount Sinai. The digital discovery program (DDP) at HPI.MS seeks to integrate multi-modal data including wearable, self-reported, genomic, environmental and other data using patient-centered approaches, and to provide a scalable and compliant digital framework for clinical evaluation of digital interventions/therapeutics.

The position will be supported initially from the Smart4Health (www.smart4health.eu) international consortium, funded by a contract from the European Union Horizon 2020 Program. The objective of the S4H consortium is to develop a prototype user-centric platform for personalized health data management and exchange and personalized health services on mobile devices.

Position Requirements:
The ideal candidates will have the following background:

1. PhD, MD, or MD/PhD in a quantitative science-related field (e.g., biomedical informatics, clinical informatics, machine learning, biostatistics, genetics, etc.
2. Significant experience in machine learning techniques is preferred, ideally with published work and/or code available. Expertise with deep learning frameworks is preferred (e.g., Tensorflow, PyTorch, Keras).
3. Expertise with programming and statistical software experience in R and/or Python.
4. Prior experience with digital health studies is a strong advantage.
5. Excellent publication track record.
6. Strong communication and presentation skills with fluency in spoken and written English.

Information on the Postdoctoral Training Program at Mount Sinai:
http://icahn.mssm.edu/education/postdoctoral-training. To learn more about the Icahn School of Medicineat Mount Sinai: http://icahn.mssm.edu.Incoming postdoctoral fellows are eligible for affordable Mount Sinai Housing within walking distance of the medical school and of a wide range of amenities as well as visa sponsorship on a case-by-case basis.

About Our Organization: The Icahn School of Medicine at Mount Sinai is internationally recognized asa leader in groundbreaking clinical and basic science research and is known for its innovative approach tomedical education. With a faculty of more than 3,400 in 38 clinical and basic science departments and centers, Mount Sinai ranks among the top 20 medical schools in receipt of National Institutes of Health grants. In its 2015 "America's Best Graduate Schools" issue, U.S. News & World Report ranks the Icahn School of Medicine 14th out of 130 medical schools nationwide. Mount Sinai Medical Center is an equal opportunity/affirmative action employer. We recognize the power and importance of a diverse employee population and strongly encourage applicants with various experiences and backgrounds. Mount Sinai Medical Center--An EEO/AA-D/V Employer.