

Digital Health Partnership - Call for Proposals

Start of new funding period: 1 April 2024

Background

The international academic and research collaboration between HPI Potsdam and the Mount Sinai Health System was initiated in 2019, in an effort to bring together digital engineering and healthcare, resulting in the foundation of the Hasso Plattner Institute for Digital Health at Mount Sinai (HPI.MS). The partnership has an ambitious vision of shaping the future of digital health by combining its innovative, complementary research resources and talents in healthcare, health sciences, data sciences, biomedical and digital engineering to empower citizens and their healthcare providers for better health outcomes with real-time predictive and preventive digital health solutions.

As the largest integrated health system in New York City, the Mount Sinai Health System (MSHS) with its Icahn School of Medicine is a leader in advanced healthcare and health research, and provides an opportunity to students and researchers working with health data in the fields of individual healthcare, data analytics, AI in health and digital public health and global health, among others.

HPI Potsdam is a German excellence center for Digital Engineering and Faculty of the University of Potsdam with 800 Bachelor and Master students in several programs. The HPI Digital Health Cluster carries out research using patient-centered and data-driven methods in an interdisciplinary manner, and works towards disease prevention, health promotion and protection while improving circumstances (e.g. access to digital health) and health behavior within and across communities.

In a dynamic research setting enabled by the partnership between HPI Potsdam and the Mount Sinai Health System, it is most likely to be young, enthusiastic researchers who, under the supervision of principal investigators, interact with each other based on structured research and PhD projects, will best form the backbone of a continued strong partnership between our institutions.

What the new graduate school offers

- Young doctoral candidates have a chance to work on their research projects within a structured framework
- Focus on joint projects
- Partner institutions: HPI Potsdam and HPI.MS, NY
- Project funding:
 - Funding for doctoral positions (100% work contracts for 3 years)
 - Project budget (up to 20.000 Euro per year per project)
- Research stays at partner institution

Timelines

Funding timeline



New projects (Start: October 2024)



Eligibility criteria

- ✓ Excellent research addressing a medical need
- ✓ Joint project must involve principal investigators from HPI Potsdam and Mount Sinai, NY
- ✓ Projects involving the use of HPI.MS's AI Ready Mount Sinai (AIR.MS) or Digital Discovery Program (DDP) have an added value (<https://www.hpims.org>)
- ✓ Principal investigators must commit to participating in a research seminar and workshop within the framework of the graduate school

Template for project proposals

If you have a good idea for a joint project and are interested in applying for project funding, kindly send us your project proposal (**not longer than two pages**) with the following information:

- ✓ Title of the joint project
- ✓ Abstract
- ✓ Background and significance of the proposed research
- ✓ Methodology
- ✓ Expected outcome
- ✓ Timeline
- ✓ Information about whether one doctoral candidate will work on the project, or two (one in Potsdam, one in New York)
- ✓ Budget needed for material resources
- ✓ Principal investigator, HPI Potsdam
- ✓ Principal investigator, Mount Sinai, NY
- ✓ 5 best own related publications

Selection criteria for joint projects

In the event of receiving more applications than can be funded by the available funds, joint projects will be selected for funding based on the following criteria in addition to the eligibility requirements.

- 1) Contribution to strengthening the partnership
- 2) Synergies in the partnership
- 3) Impact of the project based on medical need being addressed
- 4) Preliminary work

What to expect when initiating a collaboration with HPI.MS

Principal investigators from HPI supervising a joint project will need to be onboarded as Adjunct Faculty at Mount Sinai.

Students who want to access Mount Sinai data and infrastructure will go through an established onboarding process including CITI training and will receive Mount Sinai credentials.

Kindly send your project proposal to the following addresses until **15. August 2024**:

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