

Transformational Research and Development in Digital Health

The **Center for Innovation in Health (CIH)**, based in Carnegie Mellon's School of Computer Science, hosts the expertise needed to dramatically advance digital health research and technology. With more than 35 renowned scientists engaged with the center, and representation across disciplines, CIH is focused on improving the effectiveness and efficiency of digital healthcare.

In its mission to improve digital healthcare, CIH-related thrust areas range from digital bioscience and informatics, forecasting, generative AI, VR-based therapies, and medical robotics, to clinical-care technologies and telehealth.

Expertise domains Include:

- Data-driven Biomarker Discovery
- Data Management Security, Privacy, and Sharing
- Health Analytics and Diagnostic AI
- Healthcare Logistics: Patient Safety and Error Reduction
- Public-Health Forecasting
- Remote Monitoring and Telehealth
- Sensors and Wearables
- Preventative Care Strategies via Social Media

CIH-research innovations advance many domains. Virus forecasting improvements altered the course of public-health responses to disease; rethinking and establishing new machine learning methodologies for advanced genomics accelerates diagnostic capabilities; and the use of artificial intelligence in image and sensor applications has revolutionized pathology, basic molecular biology, and remote monitoring of patients.

MISSION – To advance digital health research and technology through the development of AI and computational solutions, collaborative partnerships, and transfer of knowledge and methods.

GOALS

- Improve healthcare quality, access, availability, and fairness
- Create collaboration opportunities between CMU researchers and CIH members
- Move developing healthcare solutions to the real world
- Offer executive education for healthcare technology developers
- Convene panels, dialogs, and talks related to AI in healthcare
- Inform members on major efforts in digital healthcare innovation at CMU and beyond

ACTIVITIES

- Sponsored Research
- Capstone Projects
- Virtual Roundtables
- Focused One-on-Ones (member-led inquiries into specific challenges and potential solutions)
- Workshops and Seminars
- Executive Education
- Talent Development and Hiring

Join Us!

We are looking for corporate partners to develop research themes and inform new digital healthcare technologies.

Sponsor Levels	Affiliate \$50k	Partner \$150k	Strategic Partner \$250k
Invitation to general CIH Roundtables	●	●	●
Annual Members CIH Conference	●	●	●
Information Sharing on Trending Innovations in Digital Healthcare at CMU	●	●	●
Networking and Brand Promotion Opportunities (@annual mtg, CIH events, etc.)		●	●
Input on CIH Research Themes		●	●
Invitations to special CIH events and participation in sponsor-focused roundtables		●	●
Membership on CIH Advisory Board			●
Access to CIH-curated review of CMU new faculty projects related to digital health			●
Sponsor-identified focused initiatives			●

* Please ask us about other sponsorship and research opportunities.

FACULTY LEADS

Carl Kingsford

*Director of the Center for Innovation in Health
Herbert A. Simon Professor of Computer Science,
Computational Biology Department
Director of the Center for
Machine Learning and Health*

Roni Rosenfeld

*Professor and Head, Machine Learning
Professor by courtesy, Heinz College
Adjunct Professor, University of Pittsburgh
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Russell Schwartz

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FOR MORE INFORMATION:

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