Funded by UMass President’s 2016 Science and Technology Initiatives Fund

Center for Digital Health (CDH)

A Multi-campus UMass Partnership (Lowell, Worcester, and Boston)
Project Team of CDH
Multi-Campus, Interdisciplinary team with Extensive Expertise and Collaboration History in Digital Health

Dr. Yu Cao: co-director, computational intelligence and Biomedical Informatics

Dr. Katherine Tucker: co-director, Nutritional epidemiology; diet and chronic disease risk; dietary assessment methodology; health disparities

Dr. Ben Liu: Computer networking and digital health

Dr. Yan Luo: Computer architecture, network infrastructure, and digital health

Dr. Jongsoo Lee: Biostatistics and statistical learning

Dr. Yunsheng Ma: co-director, nutrition, diabetes, obesity, and cardiovascular diseases

Dr. Hong Yu: Biomedical informatics and natural language processing

Dr. Wei Ding: co-director, data mining and biomedical informatics

Dr. Jill Macoska: Aging and urologic disease, personalized cancer therapy

Dr. Suzanne Leveille: Chronic disease self-management, patient access to electronic health records, epidemiology of aging, gerontological nursing
Center of Digital Health (CDH) – Our Vision

CDH Serves As Center Hub

- Research activities in digital health innovations
- Validation and evaluation of tools for digital health
- Consultancy and technology transfer for digital health
- Education for the digital Health workforce
- Academe-industry partnerships in digital health
Center of Digital Health – Major Research Foci

Three Major Research Foci

Research focus 1
Designing scalable pervasive healthcare monitoring, rehabilitation, and public health system

Research focus 2
Building high performance networking and computing infrastructure for health data transmission and computation

Research focus 3
Developing novel algorithms and systems for big data analytics in healthcare
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