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May 16th, 10:15 AM

## Center for Digital Health (CDH)

Yunsheng Ma

*University of Massachusetts Medical School*

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# 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**



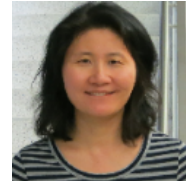
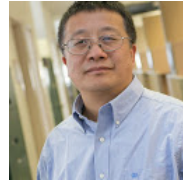
**Dr. Yu Cao:** co-director, computational intelligence and Biomedical Informatics

**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. J. Herbert Stevenson:** Family medicine/sports medicine

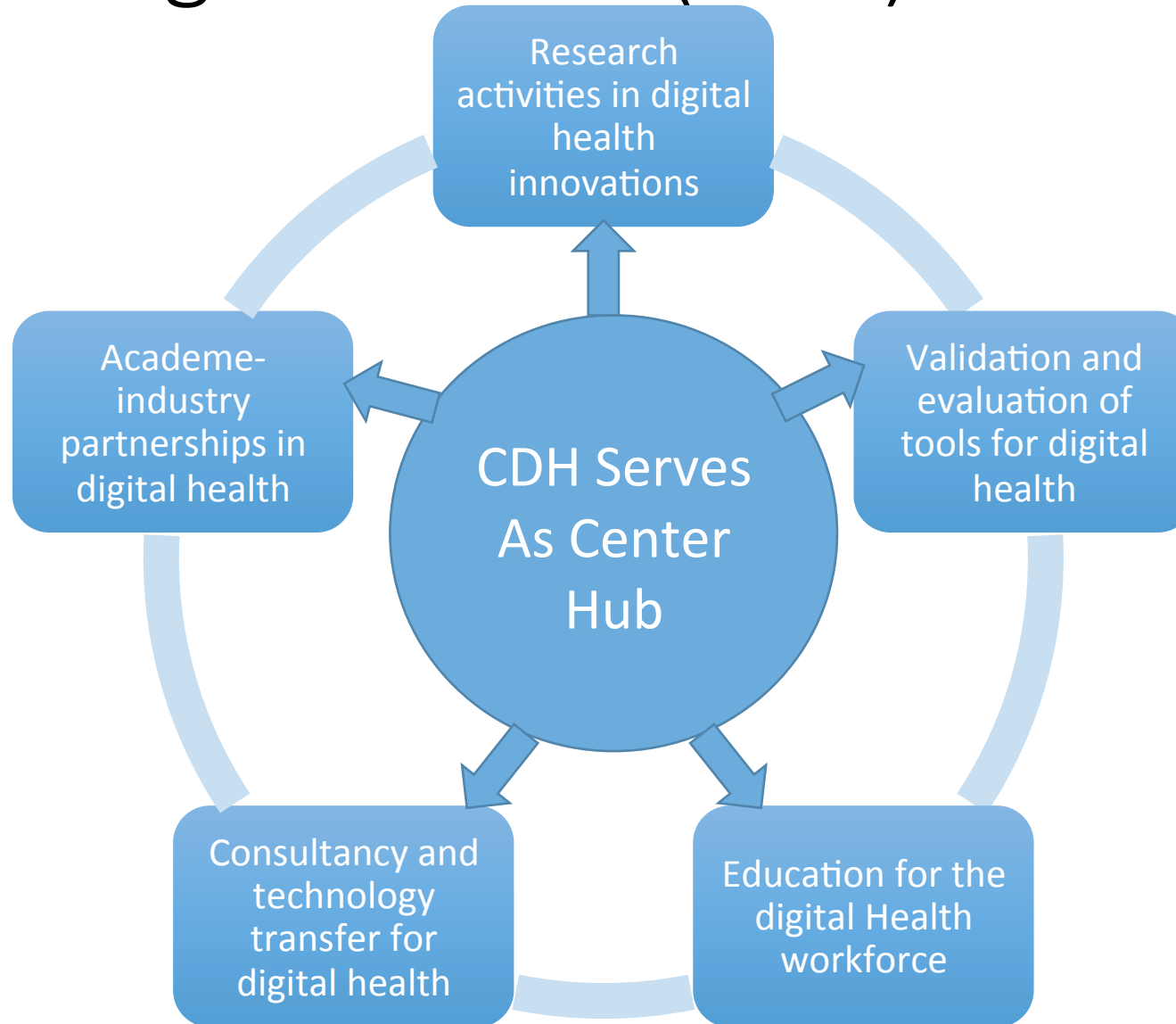


**Dr. Wei Ding:** co-director, data mining and biomedical informatics

**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

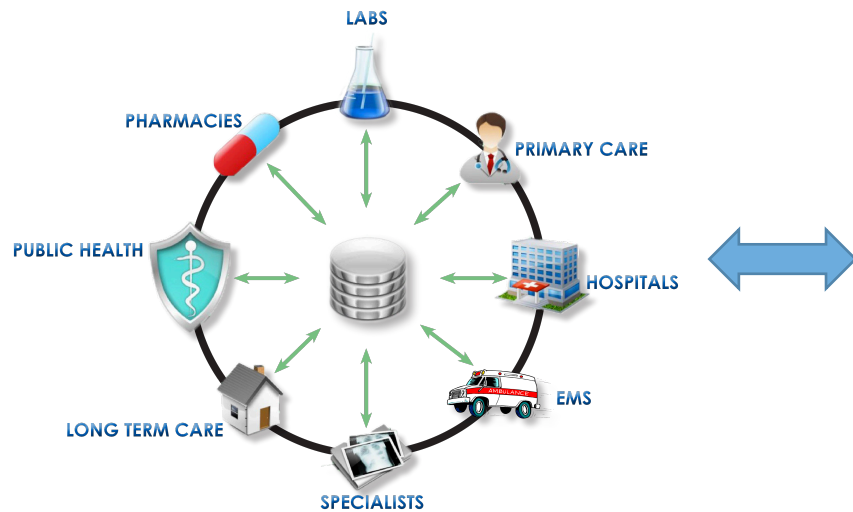


# Center of Digital Health – Major Research Foci

## 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



# Contact us:

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- Research coordinator at UMMS: Ms. Linda Churchill