2015 MIT Digital Health Conference  
September 16-17, 2015 | MIT Tang Center (E51)  
ilp.mit.edu/2015/digital_health | #MITDigitalHealth

**Day 1: Wednesday, September 16**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Title</th>
<th>Speaker(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00</td>
<td>Registration &amp; Light Breakfast</td>
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<tr>
<td>8:50</td>
<td>Welcome and Introduction</td>
<td>Karl F. Koster, Sheryl Greenberg</td>
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<tr>
<td>9:00</td>
<td>Quantitative Human Phenotyping: The Next Frontier in Medicine</td>
<td>Dennis A. Ausiello</td>
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<tr>
<td>9:45</td>
<td>From Genomics to Therapeutics: Uncovering and manipulating the genetic circuits underlying GWAS and cancer</td>
<td>Manolis Kellis</td>
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<tr>
<td>10:30</td>
<td>[STEX] The Boston Stress Study</td>
<td>Robert Goldberg</td>
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<tr>
<td>10:40</td>
<td>Networking Break</td>
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<tr>
<td>11:00</td>
<td>Surprise Health Findings from a Smartwatch</td>
<td>Rosalind Picard</td>
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<tr>
<td>11:45</td>
<td>More is Not Better: Designing optimal data systems for healthcare</td>
<td>Leo Celi</td>
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<tr>
<td>12:35</td>
<td>[STEX] twoXAR: Drug Discovery in a Few Minutes, A Computational Approach</td>
<td>Andrew A. Radin</td>
</tr>
<tr>
<td>12:40</td>
<td>Lunch and Startup Exchange Exhibit</td>
<td>Barrett Technology</td>
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<tr>
<td>2:00</td>
<td>Ultrasound Imaging and the MEDRC</td>
<td>Brian Anthony</td>
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<tr>
<td>2:45</td>
<td>Personalizing Neurocritical Care</td>
<td>Thomas Heldt</td>
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<tr>
<td>3:35</td>
<td>[STEX] Empatica: From the Hospital to Real Life: How medical wearables are changing clinical research, chronic conditions and what we know about human behavior</td>
<td>Matteo Lai</td>
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<tr>
<td>3:40</td>
<td>Networking Break</td>
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<tr>
<td>4:00</td>
<td>Personalized Diabetes Management</td>
<td>Dimitris Bertsimas</td>
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<tr>
<td>4:45</td>
<td>Using Predictive Models to Improve Healthcare</td>
<td>John Guttag</td>
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<td>5:30</td>
<td>Networking Reception</td>
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</tbody>
</table>

**Day 2: Thursday, September 17**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>8:30</td>
<td>Registration &amp; Light Breakfast</td>
<td></td>
</tr>
<tr>
<td>8:55</td>
<td>Welcome and Introduction</td>
<td>Sheryl Greenberg, John Roberts, Erik Vogan</td>
</tr>
<tr>
<td>9:00</td>
<td>Analytics in Healthcare Delivery Systems</td>
<td>Retsef Levi</td>
</tr>
<tr>
<td>9:45</td>
<td>The Data Science of Physiologic Signals</td>
<td>Una-May O'Reilly</td>
</tr>
<tr>
<td>10:30</td>
<td>Networking Break</td>
<td></td>
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<tr>
<td>11:00</td>
<td>On Beyond Genome: Using the Other Omics for Precision Medicine</td>
<td>Ernest Fraenkel</td>
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<tr>
<td>11:45</td>
<td>Moving from Hype to Impact with Digital Health</td>
<td>Zen Chu</td>
</tr>
<tr>
<td>12:30</td>
<td>Adjournment &amp; Lunch</td>
<td></td>
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</tbody>
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* Interactive Q&A with mobile agenda available on ilp.mit.edu/2015/digital_health/mobile
* All schedule and speakers are subject to change without notice. (9/8/15)
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Speakers

Brian Anthony
Principal Research Scientist
Co-Director, Medical Electronic Device Realization Center (MEDRC)
MIT Laboratory for Manufacturing and Productivity

Clark Freifeld
CTO and co-founder, Epidemico
Affiliate Faculty, Boston Children’s Hospital

Morris Kesler
Chief Technical Officer
WiTricity Corporation

Dennis A. Ausiello
Jackson Professor of Clinical Medicine, Harvard Medical School
Chief of Medicine, Massachusetts General Hospital (MGH)

Robert Goldberg
Founder and CEO, Neumitra

Karl F. Koster
Executive Director
MIT Office of Corporate Relations/Industrial Liaison Program

Dimitris Bertsimas
Boeing Leaders for Global Operations Professor of Management
Co-Director, Operations Research Center (ORC)
MIT Sloan School of Management

Sheryl Greenberg
Senior Industrial Liaison Officer, MIT Office of Corporate Relations/Industrial Liaison Program

Matteo Lai
Co-founder and CEO, Empatica

Leo Celi
Research Scientist
MIT Institute for Medical Engineering and Science

John Guttag
Dugald C Jackson Professor of Computer Science and Engineering
MIT Department of Electrical Engineering and Computer Science

Retsef Levi
J Spencer Standish (1945) Professor of Management
Professor of Operations Management
MIT Sloan School of Management

Zen Chu
Senior Lecturer
MIT Sloan School of Management

Thomas Heldt
Hermann von Helmholtz Career Development Assistant Professor
Assistant Professor of Electrical and Biomedical Engineering
MIT Department of Electrical Engineering and Computer Science

Una-May O’Reilly
Principal Research Scientist
Leader, Evolutionary Design and Optimization Group
Director, The Alfa Group: Any Scale Learning for All
MIT Computer Science and Artificial Intelligence Laboratory

Ernest Fraenkel
Associate Professor of Biological Engineering
Associate Member, Broad Institute
MIT Department of Biological Engineering

Manolis Kellis
Associate Professor of Computer Science
Associate Member, Broad Institute
Head, MIT Computational Biology Group (CSAIL)
MIT Department of Electrical Engineering and Computer Science

Rosalind Picard
Professor of Media Arts and Sciences
Director, Affective Computing Research
Co-director, Advancing Wellbeing Initiative
MIT Media Lab

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Andrew A. Radin
Co-founder and CEO
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