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Creating Devices for Personal Health Monitoring

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Creating Devices for Personal Health Monitoring

CCTS Retreat, May 20, 2014
Institute for Applied Life Sciences
Equipment & Collaboratories to Accelerate Translation

http://www.umass.edu/ials/

Collaboratory spaces throughout
The Institute for Applied Life Sciences (IALS)

- **Protein misfolding diseases**
  - Alzheimer’s
  - Huntington’s
  - Parkinson’s
  - Prion diseases

- **Cancer**
  - Blocking misactivation of signaling proteins
  - Promoting apoptosis

- **Anti-infectives**
  - Targeting pathogen specific homeostasis components

Models to Medicine Center: Protein Homeostasis

Center for Personalized Health Monitoring

Center for Bioactive Delivery

Big Data Analytics

Analytical/Biophysics

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Center for Personalized Health Monitoring

A Vertically-Integrated Pipeline for Personalized Health and Biometric Sensors