AGENDA

Innovation Cubed: Successes, Insights & New Directions
October 9, 2014 | Rackham Auditorium, Michigan League, and Alumni Center

8:00am  **Check-in and Coffee**  (Rackham Lobby)

9:00am  **Welcome**  (Rackham Auditorium)
        Jack Hu, Interim Vice President for Research

9:30am  **Keynote**  (Rackham Auditorium)
        Mark Schlissel, President, University of Michigan

10:00am  **The MCubed Difference, Part 1**  (Rackham Auditorium)
        *Short, powerful talks in the spirit of TED.*
        ◆ Novel Treatments for Infected Hemodialysis Catheters
        ◆ Building a Bigger Broader Creative Class
        ◆ Supercharging Macrophages to Resolve Lung Inflammation
        ◆ Neural Coherence at Rest and During Language Processing in Autism Spectrum Disorder
        ◆ Active Classroom

10:50am  **Break**

11:00am  **The MCubed Difference, Part 2**  (Rackham Auditorium)
        *More TED-like talks, guaranteed to engage you.*
        ◆ Transdisciplinary Discovery to Benefit Detroit Neighborhoods and Freshwater Resources
        ◆ The Role of Facebook in Everyday Life
        ◆ Bringing Gentler Treatments for Metastatic Cancer Therapy to Light
        ◆ Take a Nature Pill for Better Wellbeing
        ◆ Global Trade, Global Pollution, Global Health Impact

11:50am  **Boxed Lunches and Networking**  (Tent on Ingalls Mall)
        *Lunches in Michigan League for all poster presenters*

12:15pm  **Poster Session**  (Michigan League Ballroom, Vandenberg Room and Michigan Room)
        *Glimpse the innovations of more than 150 cubes in a high-energy collaborative setting.
        Strolling dessert bar included!*

        **In the Ballroom:**
        ◆ Auditory, Visual, and Sensory Systems
        ◆ Brain Function and Mental Health
        ◆ Cancer
        ◆ Disease
        ◆ Genetics
        ◆ Healthcare
        ◆ Pharma and Drug Delivery
        ◆ Humans, Machines, Technology
        ◆ Muscles, Organs, Bones, and Limbs
        ◆ Women's and Children's Health
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In the Michigan Room:
- Social Media, Data, Networks
- Sustainability, Water, Environment

In the Vandenberg Room:
- Education, Language, Culture, Arts
- Law, Business, Policy, Economy
- The Molecule

2:15pm  **Cubes in the Spotlight** (Michigan League and Alumni Center)

**Data, Networks, Informatics—Hussey Room, Michigan League**
- 2:15 pm  Building Translation Networks at Michigan
- 2:35 pm  Linking Social Media and Surveys: Processes and Tools
- 2:55 pm  Mining Social Media Data for the Patterns of Spatiotemporal Dissemination of Health-related Information and Concerns
- 3:15 pm  Big Data in Astronomy: U-M Astroinformatics Group
- 3:35 pm  Ontology Development and Applications for Clinical and Translational Science
- 3:55 pm  Dyadic Bayesian Discrete Choice Models, applied to Web-Based Network Data

**Cancer—Henderson Room, Michigan League**
- 2:15 pm  Antimicrobial Peptides as Anticancer Agents
- 2:35 pm  ALDH Inhibitors as Cancer Differentiation Therapy
- 2:55 pm  Radiation Therapy Treatment Plan Optimization for Liver Cancer
- 3:15 pm  Finding Nessy: Unlocking the Secrets of the Dormant Monster Within Its Nest
- 3:35 pm  All-in-One Detection of T Cells—Specificity, Phenotype, and Function

**Treatments, Medical Technology, Healthcare—Koessler Rm, Michigan League**
- 2:15 pm  Maternal Feeding Project
- 2:35 pm  Reducing Effort Through an Augmented Lower Limb Prostheses
- 2:55 pm  Analysis of Patient and Caregiver Expectations for Transplant Recipients
- 3:15 pm  Targeted Nanoparticle Based Medicine: Inhibiting Glioma Invasion Using Targeted Nanoparticles
- 3:35 pm  Adherence to HIV-Care Among Ugandan Adolescents

**Education, Society, Arts—Alumni Center Founders Room AB**
- 2:15 pm  Catalyzing Interdisciplinary Collaborations: Studying the Impact of MCubed on Researchers and Research
- 2:35 pm  Does Capacity Constrain Student Success in Higher Education?
- 2:55 pm  Digital Humanities Approaches to Popular Periodicals: Quantifying Reading Trends with Time Series Analysis
- 3:15 pm  Unintended Consequences of Technology in Development
- 3:35 pm  Prison Creative Arts Project Image Archive
- 3:55 pm  Jeweled Net of the Vast Invisible

**Water, Environment, Climate—Alumni Center Founders Room CD**
- 2:15 pm  Hydraulic Fracturing of Shales: Water Contamination Risks, Treatment Options, and Fate of Fracking Fluids
- 2:35 pm  Tracking Water and Biodiversity Resources in the Great Lakes
- 2:55 pm  A Mathematical, Scientific and Measurement Framework for the Assessment of Water Balance and Water Quality
- 3:15 pm  The Drinking Water Microbiome and Human Health
- 3:35 pm  Climate and Air Quality Impacts of Greenhouse Gases and Atmospheric Particles in Northern Michigan
- 3:55 pm  Dust in Sea Ice: A Source of Nutrients and Climate Change

4:15 pm  **Closing Reception** (Tent on Ingalls Mall)
*Come and get your MCubed mug!* **Please present your event name badge to receive yours.**