



MICHIGAN UNDERGRADUATE RESEARCH FORUM

House Committee Room 424

State Capitol

Wednesday March 24, 2010



SCHEDULE OF EVENTS

- 10:00-10:05 **Welcome**
State Senator Alma Wheeler Smith
- 10:05-10:20 **Importance of Undergraduate Research at Michigan's
Higher Education Institutions**
President Lou Ana K. Simon, Michigan State University
- 10:20-10:30 **Remarks from the Governor's Office**
Jackie Jerome Marks, Special Advisor to the Governor

STUDENT PRESENTATIONS

- 10:30-10:40 ***Disparities in the Healthcare System: An In-Depth Look at Michigan***
Carla L. Roscoe (Grand Rapids) Michigan State University
Research Mentor: Harry Perlstadt, Ph.D., Department of Sociology
- 10:40-10:50 ***Oligodendrogenesis after a Hypoxic-Ischemic Stroke in the Mouse
Brain: Developing New Therapies for Stroke Survivors***
Cameron Waites (Flint) University of Michigan, Flint
Research Mentor: Suzanne Selig, Ph.D.,
Health Sciences and Administration
- 10:50-11:00 ***Examining Streamflow and Sediment Transport Processes within
the Lower Branch of the Rouge River in SE Michigan for Great
Lakes Protection***
Christy Steffke (Gibraltar) University of Michigan, Dearborn
Research Mentor: Jacob Napieralski, Ph.D., Natural Sciences
- 11:00-11:10 ***Sustainable Options to Reuse Incinerated Municipal
Solid Waste Ash***
Sita Syal (E. Lansing) University of Michigan, Ann Arbor
Research Mentor: Dimitrios Zekkos, Ph.D.,
Civil and Environmental Engineering
- 11:10-11:20 ***Urban Gardens***
William Ahee (Grosse Point Shores) and Julia Sosin (Royal Oak)
Wayne State University
Research Mentor: Kami Pothukuchi,
Associate Professor of Urban Planning

11:20-11:30

Business Incubation in Michigan: Initiating Entrepreneurial Development and New Venture Creation in Local Michigan Communities

Catherine Laurion (West Branch) and Andrew Farron (Traverse City)
University of Michigan, Ann Arbor

Research Mentor: Lawrence Molnar, Associate Director,
Institute for Research on Labor, Employment and the Economy

11:30-11:40

Characterization of Thermally Sprayed Nanosstructured Materials for Lithium Ion Batteries

Elizabeth Shnerpunas (Garden City) University of Michigan, Dearborn
Research Mentor: Pravansu Mohanty, Ph.D., Mechanical Engineering

11:40-11:50

Vehicle Electrification

Mona Chaouki Kadouh (Dearborn Heights)
University of Michigan, Dearborn

Research Mentor: Chris Mi, Ph.D.,
Electrical Engineering and Computer Science

11:50-12:00

Standardizing Understanding: Investigating Probability, Statistics and Data Distribution Concepts in Michigan Textbooks and Education Standards in Middle School Mathematics

Tometka A. Thurman (Detroit) Michigan State University
Research Mentor: Glenda Lappan, Ph.D., Department of Mathematics

12:00-12:10

The Michigan Study of Life After Prison

Andrea Garber (Brighton) University of Michigan, Flint
Research Mentors: Jeff Morenoff, Ph.D., David Harding, Ph.D., University of Michigan, Ann Arbor and Kenneth Litwin, Department of Sociology, University of Michigan, Flint

12:10-12:20

Reality Check: A Community Outreach Program and Research Initiative

Fattum Mutahr (Dearborn) Wayne State University
Research Mentor: Christian Vannier, Ph.D., Honors College

12:20-12:30

Closing Remarks

Jeff Mason, Executive Director of Michigan's University Research Corridor

12:30-1:30

Lunch

Remarks by Virg Bernero, Mayor of Lansing

Sponsored by:

