

Institute for Science Entrepreneurship: Connecting Millikin Students and the External Community Through Performance Learning



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Institute for Science Entrepreneurship – Mission



- **Mission** – To connect Millikin University, its students, and the greater community to opportunities for personal professional, and organizational development through science entrepreneurship
- 66% of non-MD health professionals will be self-employed
- Founded in December 2012 by:
 - Dr. George Bennett, Professor of Chemistry
 - Dr. David Horn, Associate Professor of Biology
 - Dr. Casey Watson, Associate Professor of Physics

Institute for Science Entrepreneurship – Funding



- Originally funded by a Millikin University Performance Learning Enhancement Grant in December 2012
- The institute has received funding and support from:
 - 300 Below Inc., Andreas Foundation, Caterpillar Decatur, Coaching House, Coleman Foundation, Community Foundation of Macon County, Millikin University, Anonymous Foundation, Anonymous Donors

Institute for Science Entrepreneurship – Goals



- **Goal 1** – Serve as a training center for students to develop the skills they need to create their own science ventures
- **Goal 2** – Conduct research, create and upgrade products, and provide other services for external clients
- **Goal 3** – Promote science entrepreneurship to the larger community through programs such as the Science Entrepreneurship Speaker Series

Institute for Science Entrepreneurship – Goal 1

- **Goal 1** – Serve as a training center for students to develop the skills they need to create their own science ventures



Institute for Science Entrepreneurship – Goal 2

- **Goal 2** – Conduct research, create and upgrade products, and provide other services for external clients



Institute for Science Entrepreneurship – Goal 2



- **Science Entrepreneurship Research Fellow Program**
 - Established in 2014-2015 academic year
- Student responsibilities include:
 - work with current science ventures on a specific project or develop a concept for a new science venture
 - present work at 2015 Millikin University “Celebrations of Scholarship”

Institute for Science Entrepreneurship – Goal 2

- **Science Entrepreneurship Research Fellow Program**
 - First recipients are working with 300 Below Inc. and assisting with operations of the Institute



Institute for Science Entrepreneurship – Goal 3



- **Goal 3** – Promote science entrepreneurship to the larger community through programs such as the Science Entrepreneurship Speaker Series



Institute for Science Entrepreneurship – Goal 3



- **Spring 2015 Science Entrepreneurship Speaker Series**
- February 24 – Mark Schweitzer, Archer Daniels Midland Company
- March 17 – Tim Eckels, Hospital Sisters Health System
- April 30 – Ken Smithmier, Illinois Health & Science

Institute for Science Entrepreneurship – Goal 3



- Co-hosted a discussion on poverty with Community Foundation of Macon County

Poverty panel plans for action

Children now most at-risk group

THERESA CHURCHILL
H&R Senior Writer

DECATUR – A new coalition of similar size and scope to the seven-year-old Education Coalition of Macon County will likely grow out of a two-hour panel discussion on poverty

In addition to seven local speakers, Millikin University's Institute for Science Entrepreneurship provided Mark Rank, author of "Chasing the American Dream" and Thursday evening's guest on campus for the institute's speaker series.

Rank, a professor of social welfare at Washington University in St. Louis, kicked things off by discussing the impact of President Lyndon Johnson's declaration of a War on Poverty in 1964.

He said the good news is that overall poverty rate in the United States dropped from more than 22 percent in 1959 to 11 percent in 1973, and thanks to Social Security and Medicare, the percentage of elderly Americans living in poverty went down from 35 percent in 1959 to 9.5 percent today.

Institute for Science Entrepreneurship – Student Science Entrepreneurship Pathway



- **Freshman and Sophomore Years**
- Take courses:
 - Introduction to Science Entrepreneurship
 - Creating a Scientific Business Venture
 - Create and Lead
- Participate in Science Entrepreneurship Speaker Series

Institute for Science Entrepreneurship – Student Science Entrepreneurship Pathway



- **Junior and Senior Years**
- Take upper-level courses in entrepreneurship
- Serve as student ambassador for Science Entrepreneurship Speaker Series
- Become Science Entrepreneurship Research Fellow and provide services to science ventures

Institute for Science Entrepreneurship – Positive Impact of Institute

- The Institute has laid the foundation for a culture of science entrepreneurship through the creation of performance learning opportunities for students

CAREER PATH



Herald & Review photos, Lisa Morrison

Emily Talbott demonstrates some of the preliminary tests she does on patients during her part-time job at Temmen Advanced Eyecare. She is a Millikin University student and interested in becoming an optometrist.

Experience by doing

Students trying to discover their passion

Institute for Science Entrepreneurship – Accomplishments since December 2012



- Teach two courses in Science Entrepreneurship
- Created a Science Entrepreneurship Research Fellow Program
- Created a Science Entrepreneurship Speaker Series
- Received >\$40,000 in external funding

Institute for Science Entrepreneurship - Questions



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