
The 73rd iCeMS SEMINAR

Thu 17 March 2011

14:00–16:00

**Can we measure the results
of science investments?**

**USA efforts on the development of
Science of Science and Innovation Policy**

Lecturer: **Dr. Julia Lane**

Program Director
Science of Science & Innovation Policy Program
National Science Foundation, USA

Venue: Seminar Room (#A207)
2nd Floor Main Building iCeMS Complex 1

**Reservations are recommended, but not required.
For details, please visit the iCeMS Website at:
www.icems.kyoto-u.ac.jp/e/**

Contact: iCeMS Adjunct Assoc. Prof. Kazuto Kato at kato-g@icems.kyoto-u.ac.jp
Hosted by: iCeMS (Institute for Integrated Cell-Material Sciences), Kyoto University
Center for Research and Development Strategy, Japan Science and Technology Agency
Co-Hosted by: Center for the Study of Communication-Design (CSCD), Osaka University



The 73rd iCeMS SEMINAR

Abstract for Dr. Julia Lane

The National Science Foundation is fostering the development of the knowledge, theories, data, tools and human capital needed to cultivate a Science of Science and Innovation Policy program. The program has three major aims: advancing evidence-based science and innovation policy decision making; developing and building a scientific community to study science and innovation policy; and developing new and improved datasets.

The overarching goal in this effort, however, is to conduct basic research that creates new objective models, analytic tools, and datasets to inform our nation's public and private sectors about the processes through which investments in science and engineering research may be transformed into scientific, social and economic outcomes.

We need to better understand the contexts, structures, and processes of scientific and engineering research, to evaluate reliably the tangible and intangible returns from investments in research and development (R&D), and to predict the likely returns from future R&D investments.

To begin to create a scientific, quantifiable measurement of the economic and social impacts of our federal research investments, the federal science agencies have initiated an innovative new program, STAR METRICS (Science and Technology in America's Reinvestment--Measuring the Effects of Research on Innovation, Competitiveness and Science). This initiative is led by the National Institutes of Health and the National Science Foundation under the auspices of the White House Office of Science and Technology Policy. The goal is to develop a system that can be used to track the results of federal science investments.

The talk will discuss the main features of both the SciSIP program and the STAR METRICS program.

