

## SLIS Events News

### Börner Talk 2/2/06: Mapping the Structure and Evolution of Science



Thursday, February 2, 2006  
from 4:00-5:00 p.m.  
in SLIS, Wells Library, Room 036.

SLIS faculty member, **Katy Börner** invites faculty and students to a talk in preparation for presentations in Maryland on Monday. She writes:

I am going to present research on 'Mapping the Structure and Evolution of Science' together with recommendations for better knowledge management at the **NIH (National Institute of Health)** event below on Monday, February 6. Given that 400+ NIH program officers and staff members will be in the audience, I would like to give a 45 minute practice talk and get

your feedback. Everybody is welcome.

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**National Institute of Health - Knowledge Management Symposium** [http://grants.nih.gov/grants/KM/OERRM/OER\\_KM\\_events/Symposium\\_02-06-06.htm](http://grants.nih.gov/grants/KM/OERRM/OER_KM_events/Symposium_02-06-06.htm)

Title: Knowledge in Service to Health:  
Leveraging Knowledge for Modern Science Management  
Speakers: Dr. Ramon Barquin, Dr. Barend Mons, Dr. Giles Radford, Dr. Katy Börner  
Monday, February 6, 2006  
Time: 8:30am-12:15pm Symposium lectures (open to public)  
1:00pm-3:00pm Demo of KM tools (open to NIH staff with ID only)  
Location: Natcher Conference Center, Bethesda, MD

#### Overview:

Biomedical science and science management have rapidly become too complex to be optimally served only by traditional methods for accumulating and using information. While we still depend on traditional databases and on our own grey cells, it is essential to the NIH mission that we identify novel and creative approaches to managing the massive amounts and diverse types of information that biomedical research generates. New concepts and tools for knowledge management will help us to make innovative, visionary decisions, to identify and promote scientific collaboration, and to assess and communicate our achievements.

The goal is to introduce the field of knowledge management to the NIH community through presentations and demonstrations by experts from academia, industry, and other biomedical research funding agencies. Topics will include the current state of the art in the discovery and management of diverse knowledge, the use of text mining to advance the progress of science, the development of performance measures to analyze the impact of biomedical research funding, implementation of KM techniques to understand the culture and practices of large organizations, and visualization and communication techniques that can help us convey complex ideas to our stakeholders.

The morning symposium (open to all) will include four speakers:

- Dr. Ramon C. Barquin, President, Barquin International. Knowledge Management and Knowledge Exploration: Some Thoughts for NIH
- Dr. Barend Mons, Associate Professor in Biosemantics, Erasmus Medical Center and Leiden University Medical Center, the Netherlands. Beyond Text Mining
- Dr. Giles Radford, The Wellcome Trust, U.K. Knowledge Optimization in Research Funding
- Dr. Katy Börner, Associate Professor of Information Science, Indiana University, School of Library and Information Science. Mapping the Structure and Evolution of Science

A question and answer period with the speakers will begin at 11:45.

**Dr. Börner's exhibit Places & Spaces**, which illustrates some of the many possible ways of visualizing and communicating highly complex data, will be on display in the Natcher Center atrium on the day of the symposium.

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[Next Story →](#)  
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