

### Self Introduction

- photo of yourself (You have my photo.)
- image you identify with – this image will appear on your name tag: I'm an international science donor.

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- I have been the President of the James S. McDonnell Foundation since 1986, where I have initiated programs to fund research in cognitive psychology, neuroscience, cancer biology, complex systems research, and education. Prior to that I was a program officer at the Rockefeller and Josiah Macy, Jr. Foundations in New York. My academic training was in philosophy of science and quantum mechanics at Oxford University and the Rockefeller University in New York. I am interested in methodological issues in the neurosciences and psychology.
- five major publications :
  - Schools for Thought: An Applied Science of Learning in the Classroom, MIT Press, 1994.
  - Education and the Brain: A Bridge Too Far, *Educational Researcher*, November 1997, 4-16.
  - The Myth of the First Three Years, Free Press, 1999.
  - Can We Talk? How the Cognitive Neuroscience of Attention Emerged from Neurobiology and Psychology, 1980-2005.  
Mapping Cognitive Neuroscience: Two-dimensional perspectives on twenty years of cognitive neuroscience research, Cognitive Neurosciences IV, Edited by Michael S. Gazzaniga, MIT Press.
- list of relevant projects:
  - Use of science maps to assess foundation supported research programs
  - The emergence of cognitive neuroscience from psychology and systems neuroscience, with particular attention to the positive/negative effects of imaging technologies
  - Application of directed acyclic graphs to deterministic variable sets in the behavioral sciences
- link to your home page: <http://www.jsmf.org/about/bruer-biography.htm>
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### General Questions

1) What is (are) your main interest(s) in attending the workshop? I am interested in expanding my knowledge of science mapping and visualization techniques as they apply both to evaluating foundation programs and identifying problem areas in the philosophy of science.

2) What would you like to learn / achieve at the workshop? I would like to learn how philosophers and historians of science are applying techniques of science mapping and visualization to their disciplines. I am also eager to discover new off the shelf tools that are applicable to my research interests.

3) *If you are a philosopher of an historian of science:* I have no specific work as a philosopher that would contribute to map making. Although I would argue that map makers refrain from embracing a specific philosophical view of how science progresses and how theories change.

*If you are a scientometrician/science map maker:* Offering any opinion on this question would force me to give up my truly amateur status as a scientometrician/map maker.

*Please send the completed document by June 1th, 2009  
to Katy Borner <[katy@indiana.edu](mailto:katy@indiana.edu)> and Mark Price <[maaprice@indiana.edu](mailto:maaprice@indiana.edu)>*