

# **The IMSA Great Minds Program®**

## **“Learning and the Brain: Where Are We and Where Do We Need to Be?”**

**Saturday, October 20, 2007**

**10:00 a.m. – 5:15 p.m.**

**(Reception 5:15 - 6:15)**

**IMSA Auditorium, Aurora, IL**

**There is the possibility that improved understanding of the brain will bring not only improvement in education as currently practiced, but also new conceptions of the nature of education itself. This panel represents the first stage of a continuing study of how the finding of neuroscientists, the cognitive psychologists and the computer scientists can serve to advance the very process of education. IMSA and the community of teachers, educators and scientists will follow up the October 20 Panel with publications, smaller meetings and perhaps another panel in about a year.**

**Seating will be limited so pre-registration is required**

**There will be a \$10.00 fee to cover the cost of lunch and a reception with the speakers.**

**Please Note: Checks/Payment must be received at IMSA by  
October 10 to guarantee lunch.**

**We have to commit to a number with our food service**

**The schedule for the day is:**

**10:00 AM Introduction Dr. Paul Grobstein**

**10:10-12:20 Speakers**

**12:20-1:20 Questions and Comments**

**1:20-2:20 Lunch**

**2:20-4:00 Breakout Sessions**

**4:00-4:15 Coffee**

**4:15-5:15 Reconvene and Summaries**

**5:15-6:15 Reception**

**Hosted by Leon Lederman, Ph.D., Nobel Laureate, IMSA Founder and Resident Scholar**

**Introduction: Dr. Paul Grobstein - Professor of Biology, Director, Center for Science in Society, Co-founder of Serendip, Experimental Neurobiologist Bryn Mawr College**



<http://serendip.brynmawr.edu/exchange/braineducation/imsa07>

**Guest Panelists:**

**Dr. Kalina Christoff**

**Department of Psychology, P.I.  
Cognitive Neuroscience of Thought  
Lab, Neural and Cognitive  
Mechanisms of Human Thought,  
University of British Columbia**



<http://www.christofflab.ca/people/>

**Dr. Stephanie Pace Marshall**

**Founding President and President Emerita,  
Illinois Mathematics and Science Academy.  
Author: The Power to Transform: Leadership  
that Brings Learning and Schooling to Life,  
Wiley, 2006. Founding President of National  
Consortium for Secondary Schools of  
Mathematics, Science and Technology**



<http://www.stephaniepacemarshall.com/biography.html>

**Dr. Kurt Fischer**

**Director of the Mind, Brain and  
Education Program Harvard Graduate  
School of Medicine**



<http://gseweb.harvard.edu/~ddl/aboutkwf.htm>

**Dr. Marvin Minsky**

**Toshiba Professor of Media Arts and Sciences,  
MIT, Founder of MIT's Artificial Intelligence  
Lab, Author: The Society of Mind (1987) The  
Emotion Machine, Book Draft (2007)**



<http://web.media.mit.edu/~minsky/>

**Dr. Mary Helen Immordino-Yang**

**Postdoctoral Fellow at the Rossier  
School of Education, University of**

**Dr. Uri Wilensky**

**Professor of Learning Science and Computer  
Science, Director of the Center for Connected  
Learning and Computer-based Modeling,**

**Southern California.**



[http://www.usc.edu/schools/college/news/april\\_2007/psyche.html](http://www.usc.edu/schools/college/news/april_2007/psyche.html)

**Northwestern University**



<http://ccl.northwestern.edu/uri/>