

GORDON RESEARCH CONFERENCE



**Brain Energy Metabolism and Blood Flow**

**August 17-22, 2008**

**Proctor Academy, Andover, New Hampshire, USA**

**Generously supported by the  
*International Society for Cerebral Blood Flow and Metabolism***

**Chair:** Edith Hamel

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**Vision of the GRCs on Brain Energy Metabolism and Blood Flow:**

Brain blood flow and metabolism are vital to the normal mammalian nervous system and provides the basis for functional imaging. Over the last decade, dramatic progress has been made in molecular biology, biophysics and genetics that impact our understanding of brain energy metabolism, neural organization, cell signaling and vascular regulation. In addition, new technologies have emerged to measure blood flow and metabolism with high spatial and temporal resolution. The stage is set to use the methodological progress to address fundamental issues related to the organization of brain function, blood flow and metabolic activity. We anticipate that progress in this field will drive new discoveries in the experimental and clinical neurosciences and impact diagnosis and treatment of stroke and other neurodegenerative disorder. The biannual Gordon research conference is devoted to presentations of frontline research of brain metabolism, cell signaling, cell-cell interactions and vascular regulation in the normal and injured brain. The conference is a unique opportunity for experts and newcomers alike to exchange state-of-the-art advances in methodology and concepts, as well as outline promising avenues for collaborative research. For the 3<sup>rd</sup> GRC on Brain Energy Metabolism and Blood Flow, the overall general theme turns around oxygen, blood flow and mitochondria in normal and pathological brain function.

### **Application:**

The Chairs will admit applicants on an ongoing basis beginning fall 2007, based on the information provided in the application. Please use the GRC website

**<http://www.grc.org/programs/2008/brain.htm>**

for applications. Attendance at the Conference is limited to 150 conferees and the Conference may be full well before the deadline; therefore, submit your application early. Upon acceptance to the Conference, individuals will receive registration information. The Conference fee covers registration, all meals and room. Preference will be given to individuals presenting posters. Contact the Conference Chair for more information.

We particularly encourage young/new investigators and students to submit abstracts (deadline, April 1, 2008) of their proposed poster presentations. The abstracts should be submitted in standard format (title, authors, institution, text up to 400 words). We aim at providing a total of 20 awards (\$600 Europe/Asia, \$400 for USA/Canada, plus registration fee) that will be given to young investigators/students with the most innovative presentations.

### **Relevant web links**

Gordon Research Conferences: [www.grc.org](http://www.grc.org)

International Society for Cerebral Blood Flow and Metabolism: [www.cbfm.org](http://www.cbfm.org)

Proctor Academy, Andover, New Hampshire: [www.proctoracademy.org](http://www.proctoracademy.org)