



Exploring New Frontiers in Science and Technology

Accomplishments: September 2008 to August 2009

- Neuroscience, Human Nature and Society enhanced neuroscience community connectivity and visibility by hosting the first annual flagship scientific symposium, dinner and community outreach event to honor Mahlon DeLong and his achievements in the neurosciences; launched the Interdisciplinary Seed Grants Program; launched the Scholars' Program in Interdisciplinary Neuroscience Research; and worked with Yerkes on a proposal to enhance translational "monkey-to-man" imaging research capabilities and training. The initiative also continued successful development of Comprehensive Neurosciences Center (CNC) pilot programs in childhood and adolescent mood disorders, stroke, Parkinson's disease, and Alzheimer's disease
- Predictive Health's Center for Health Discovery and Well Being® is fully operational with over 250 enrolled participants including governor Sonny Perdue and his wife, Ms. Mary Perdue. Participants have shown marked health effects of the program at six month follow ups. The Center is maintaining a 96% retention rate of participants for return assessments. Molecules to Mankind (M2M) is in advanced implementation stages with plans to admit first students in the fall of 2010; and a joint Emory-CDC PhD degree in Predictive Health has been discussed at length and will be pursued under the new CDC administration. The fourth annual Predictive Health Symposium was held in December 2008
- Computational and Life Sciences (CLS) recruited a highly accomplished systems biologist (Ilya Nemenman); admitted the second cohort in the new PhD program in Informatics; and launched a Master's program track in Computation and Statistics. 17 research seminars were hosted; and multiple collaborative research grant proposals were coordinated and submitted. CLS also partnered with the new Center for Comprehensive Informatics (CCI) in organizing seminars and research highlights, recruiting faculty and research scientists, planning and development of infrastructure, and envisioning long term relationships.

Accomplishments: September 2007 to August 2008

- Enhanced neuroscience community connectivity and raised awareness of relevant people and resources throughout the Emory neuroscience community. Activities included website and intranet development, regular gatherings, an "always on" video link between Yerkes and the Whitehead building, and various types of scientific sessions. Planning is underway for a flagship scientific symposium, dinner, and community outreach event to honor Mahlon DeLong, to be held early in the second quarter of 2009
- Opened the Center for Health Discovery and Well Being for first research recruitment in May 2008
- Recruited a promising computational biologist (James Taylor), finalized the hiring of a medical imaging scientist (Stefan Heldmann), and launched the CLS Fellows program

Accomplishments: September 2006 to August 2007

- Framed and shaped the broad and disparate "Neuroscience" constituencies at Emory into a coherent and comprehensive university-wide and healthcare system-based entity
- Recruited Dr. Dennis Choi as an outstanding world-class leader for the new Comprehensive Neuroscience, Human Nature, and Society Initiative (newly named by Dennis Choi)



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- Established and initiated the Center for Health Discovery and Well Being led by Dr. Kenneth Brigham. The CHD is a key component of the Predictive Health Initiative of the Strategic Plan
- Established a compelling and successful year-long Computational and Life Sciences lecture series (on-going). Laid the ground work for the coming year's faculty recruitments and CLS competitive postdoctoral program

Accomplishments: September 2005 to August 2006

- Established and began implementation of the Center for Health Discovery and Well Being arm of the Predictive Health Institute
- Identified and brought significant structure and vision to a broad and diverse grass-roots faculty interest in “Computational and Life Sciences” at Emory. CLS represents a true cross-cutting and transformational thrust for Emory Healthcare
- Developed a major, new programmatic model for “neuroeducation” at Emory that integrates the basic and clinical brain sciences and that spans all science-oriented operating units of the university (SOM, Emory College, Nursing, GSAS, Yerkes, and EHC)