Future Programs

During the years 2010/2011, the Kavli Institute for Theoretical Physics will conduct research programs in the following areas:

• **Electron Glasses**  
  Leticia Cugliandolo, Lev Ioffe, Zvi Ovadyahu, Michael Pollak*  
  July 5, 2010 - October 1, 2010

• **X-Ray Frontiers**  
  Lorenz Cederbaum, Chris H. Greene, Jianwei (John) Miao, Robin Santra*  
  August 2, 2010 - September 10, 2010

• **Beyond Standard Optical Lattices**  
  Ehud Altman, Maciej Lewenstein, W. Vincent Liu*  
  September 13, 2010 - December 10, 2010

• **Emerging Techniques in Neuroscience**  
  Ernst Bamberg, Adrienne Fairhall, David Kleinfeld, Fred Wolf*  
  September 27, 2010 - November 19, 2010

• **Disentangling Quantum Many-body Systems: Computational and Conceptual Approaches**  
  Matthew Fisher, Claire Lhuillier, Simon Trebst, Guifre Vidal*  
  October 18, 2010 - December 17, 2010

• **Microbial and Viral Evolution**  
  Santiago Elena, Michael Lässig, Luca Peliti, Paul Sniegowski*  
  January 4, 2011 - March 25, 2011

• **Galaxy Clusters: the Crossroads of Astrophysics and Cosmology**  
  Andrey Kravtsov, Dan Marrone, Peng Oh*  
  January 31, 2011 - April 22, 2011

• **The Nature of Turbulence**  
  Eberhard Bodenschatz, Gregory Falkovich, Susan Kurien, Katepalli Sreenivasan*  
  February 7, 2011 - June 3, 2011

• **The Harmony of Scattering Amplitudes**  
  Zvi Bern, Thomas Gehrmann, Frank Petriello, Anastasia Volovich*  
  April 4, 2011 - July 8, 2011

• **Biological Frontiers of Polymer and Soft Matter Physics**  
  Alexander Grosberg, Katharina Ribbeck, Michael Rubinstein*  
  May 2, 2011 - July 1, 2011

• **The First Year of the LHC**  
  Nima Arkani-Hamed, Markus Luty, Michelangelo Mangano, Ann Nelson, Yasunori Nomura*  
  June 6, 2011 - August 26, 2011

Physicists wishing to participate in any of the Institute’s activities should apply through our web page at [http://www.kitp.ucsb.edu](http://www.kitp.ucsb.edu) or write to:

Professor David Gross, Director  
Kavli Institute for Theoretical Physics  
University of California  
Santa Barbara, CA 93106-4030

The Institute has a small number of openings for less than one year for general visitors not attached to the above-listed programs.

The Institute invites suggestions either for short programs (3 months) or long programs (5 - 6 months) for the years 2011-2012 and later.

*Coordinators

*The University of California, Santa Barbara, is an Equal Opportunity/Affirmative Action Employer.