

Workshop on the Structure and Function of Chromatin and Chromosomes  
Pacific Symposium on Biocomputing  
Tuesday, January 3, 2012

- 9:00–9:45 *Keynote speaker* “Higher-order chromatin architecture: bridging physics and biology.” Leonid A. Mirny, Division of Health Sciences and Technology and Department of Physics, Massachusetts Institute of Technology, Cambridge, USA
- 9:45–10:10 “Genome-wide mapping and computational analysis of non-B DNA structures in vivo.” Damian Wojtowicz, Fedor Kouzine, Arito Yamane, Wolfgang Resch, Craig J. Benham, Rafael Casellas, David Levens and Teresa M. Przytycka.
- 10:10–10:35 “Mapping transcription factories in *Saccharomyces cerevisiae*.” Zackary Scholl, Jianling Zhong and Alexander Hartemink
- 10:35–10:45 Break
- 10:45–11:10 “Modeling, analyzing and visualizing the human genome in 3D.” Thomas Asbury, Matt Mitman, William Arndt, Jijun Tang and Jim Zheng
- 11:10–11:35 “Multiple 3C (MC) and three-dimensional modeling of the human genome.” Thanh Vu, Andrew Hoffman, William Noble, Jan Carette, Iris Schrijver, John Pringle, Ferhat Ay, Masayuki Onishi, Juan Rodriguez-Paris, An Nguyen and Amy Truong
- 11:35–12:00 “Graph-theoretic approaches for testing embeddability and spatial functional enrichment in chromosome conformation data.” Geet Duggal, Hao Wang, Michelle Girvan, Sridhar Hannenhalli and Carl Kingsford