

# Center for Theoretical Biological Physics

## University of California – San Diego

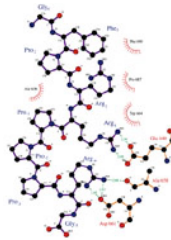
### 2012 Postdoctoral Fellowships in Biological Physics

**CTBP** is a consortium of researchers from UCSD, the Salk Institute for Biological Studies and Rice University, involved in research on fundamental problems at the interface between physics and biology. Our mission is to conduct and foster research aimed at providing a quantitative framework for unraveling the workings of complex biological processes. Center research revolves around three synergy themes – **Cellular Tectonics**, the dynamic mesoscale structure of the intracellular milieu; **Computational Approaches to Intracellular and Intercellular Communication**, chemical-based reaction-diffusion governed communication across complex spaces; and **Gene Regulatory Networks**, genetic/signaling networks that exhibit specificity and robustness in the face of intrinsic stochasticity, and yet retain evolvability. We are actively recruiting recent quantitative science (physics, mathematics, chemistry, etc.) Ph.D. graduates for postdoctoral positions beginning in 2012. We are looking for postdoctoral candidates that are well-versed in quantitative science, but who are **very interested** in learning and tackling research problems in the realm of biology. Previous experience in working on living systems may be beneficial, but is not necessary. CTBP postdoctoral scholars will participate in leading-edge research with world-renowned faculty and at the same time will be provided opportunities to expand career-enhancing skill sets (grant writing, teaching, mentoring undergraduate research students/projects, etc.). CTBP postdoctoral scholars will also share in unique opportunities to gain hands-on experience in biological techniques while working closely with experimental scientists. An initial review of applications will occur in **early February 2012**, and then the last week of every month from March through June. Fellowships include a very competitive compensation and benefits package, and start dates are flexible.

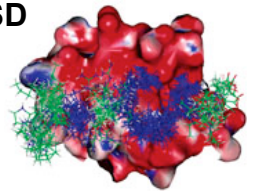
For additional information and to apply, point your web browser to:  
[http://ctbp.ucsd.edu/research\\_pd.html](http://ctbp.ucsd.edu/research_pd.html)

CTBP-UCSD faculty include:

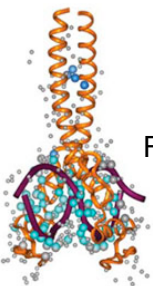
Henry Abarbanel, Physics, UCSD  
Michael Holst, Mathematics, UCSD  
Bo Li, Mathematics, UCSD  
Wouter-Jan Rappel, Physics, UCSD  
Tatyana Sharpee, Salk Institute



Olga Dudko, Physics, UCSD  
Terence Hwa, Physics, UCSD  
J. Andrew McCammon, Chemistry, UCSD  
Terence Sejnowski, Salk Institute  
Wei Wang, Chemistry, UCSD



<http://ctbp.ucsd.edu>



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