

**UCLA Department of Physics & Astronomy  
Physics & Astronomy Alumni Alliance (PAAL)  
2005 Fall Lecture**

**“Nanoscience with proteins and DNA”**

To be given by  
**Giovanni Zocchi**

*Professor Giovanni Zocchi is a faculty member of UCLA, Department of Physics and Astronomy and of the California NanoSystems Institute. He received his Ph.D. in Physics from the University of Chicago. Professor Zocchi's main research topic is the study of conformational changes of biological macromolecules (proteins, DNA). The ability of biological molecules to perform specific tasks through directed conformational motion is the molecular basis of life. Professor Zocchi and his collaborators recently invented a nano-mechanism to control the conformation and thus the function of virtually any protein. This new approach to protein engineering potentially could lead to a new generation of targeted "smart" pharmaceutical drugs that are active only in cells where a specified gene is expressed.*

**Saturday, December 3, 2005  
3:00 p.m.  
1-434 Physics and Astronomy Building**

*Dinner will be at 500 p.m., 3<sup>rd</sup> Floor, Physics and Astronomy Building Patio*

If you would like to attend the PAAL Dinner, the cost is \$25.00 per person. Please make checks for the dinner payable to “UC Regents” and send it to: Office of the Chair, UCLA Department of Physics and Astronomy, 2-707 Physics & Astronomy Building, 475 Portola Plaza, Los Angeles, CA 90095-1547. A reply is requested by Monday, November 21, 2005. You can also RSVP through the Department of Physics and Astronomy Alumni Alliance website <http://alumni.physics.ucla.edu/home.php> or call Desie Palad at (310) 825-3440.