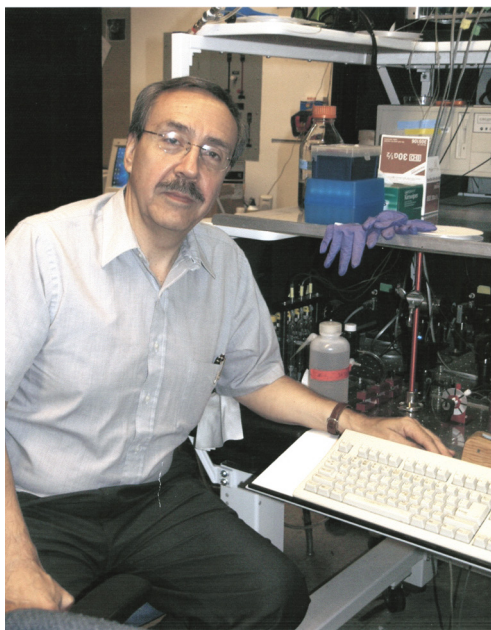


Lecture Topic for
Thursday, September 14,
2006

**“How FtsK Finds Its Target:
Signposts Along the
Chromosomal Highway”**

4:10 pm, Room 136
Chemistry Building – MSU



Carlos J. Bustamante obtained a Ph.D. in biophysics in 1981 from the University of California, Berkeley. Since 1994, Dr. Bustamante has held an appointment as a Howard Hughes Medical Institute Investigator. In 1998, he became the director for the Advance Microscopies Department at Lawrence Berkeley National Laboratory and Professor of Physics as well as Molecular and Cell Biology at Berkeley. His research interests include single molecule manipulation methods and their application to investigate various biochemical processes: torque measurements on single

DNA molecules, reversible folding of single RNA molecules by force, and the mechanochemistry of nucleic-acid binding molecular motors. He was nominated as America's Best in Time magazine (2001), received the Biological Physics Prize of the American Physical Society (2002), and he accepted the Alexander Hollaender Award in Biophysics from the National Academy of Science (2004). He has also received the Richtmyer Memorial Lecture Award by the American Association of Physics Teachers (2005), and an *Doctor honoris causa* by the University of Chicago (2005).

Dr. Bustamante has given well over 400 presentations and lectures on his work since 1983, and has published over 200 papers in several journals such as PNAS, Nature, and Cell. He currently serves as a member of the Science Advisory Board of the Searle Scholars Program, elected member of the National Academy of Sciences, and Science Advisory Committee and elected member of the Board of Directors to the Burroughs-Wellcome Fund as well as several other advisory roles within the University of California, Berkeley and the larger scientific community.

ALUMNI DISTINGUISHED LECTURESHIP

Presents

Professor Carlos J. Bustamante

*Department of
Molecular and Cell Biology
and
Department of
Physics and Chemistry
University of California,
Berkeley, CA*

Sponsored by:

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Department of Chemistry
Michigan State University

**4:10 pm Thursday
September 14, 2006
Room 136 Chemistry**

PREVIOUS DISTINGUISHED ALUMNI LECTURERS

| |
|---------------------------------------|
| <i>Spring 1997</i> |
| Professor Peter G. Schultz |
| <i>Spring 1998</i> |
| Professor Keith Woo |
| <i>Fall 1998</i> |
| Professor Peter Wipf |
| <i>Spring 1999</i> |
| Dr. Michael K. Bowman |
| <i>Fall 1999</i> |
| Professor Robert H. Grubbs |
| <i>Fall 2000</i> |
| Dr. Howard Katz |
| <i>Spring 2001</i> |
| Professor Joseph Francisco |
| <i>Fall 2001</i> |
| Dr. Phaedon Avouris |
| <i>Spring 2002</i> |
| Professor Alison Williams |
| <i>Fall 2003</i> |
| Professor Harry B. Gray |
| <i>Spring 2005</i> |
| Professor Tobin J. Marks |
| <i>Fall 2006</i> |
| Professor Carlos J. Bustamante |

The Alumni Distinguished Lectureship

This Award has been created by Chemistry's friends and alumni to bring prominent scientists to visit the Department and tell us of their research. During their visit, these scientists will either present a series of lectures or participate in a regular instructional program in the Department and will interact with faculty and students in a collegial atmosphere.