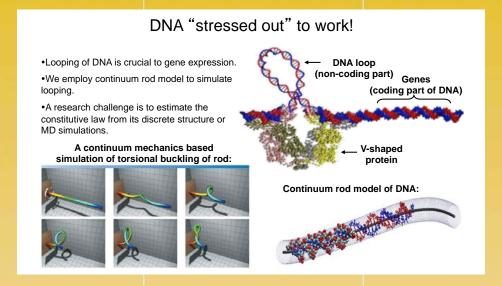
## **Graduate Student Research Position in Goyal Lab**

## UNIVERSITY of CALIFORNIA | MERCED

- Are you interested in applying your expertise in **Mechanics** to model and simulate biological systems at microscopic scale?
- Are you interested in the fields of Mechanics, Dynamics or Controls and excited about doing an interdisciplinary research?

If so, we are looking for smart and motivated students like you. To give you a flavor of research in our lab, here is an example project:



This project, on one hand, necessitates in-depth fundamental research in nonlinear continuum dynamics, mathematical modeling, and scientific computing, while on the other hand, it also necessitates learning interdisciplinary skills such as Molecular Dynamics (MD) simulations and collaborations with singlemolecule experimentalists.

Whether you are interested in the above research or simply interested in the fields of Mechanics, Dynamics or Controls, to explore further, send an email to Prof. Goyal at sgoyal2@ucmerced.edu with your curriculum vitae and a short description of research interests. Final selection will be through the graduate application process of the School of Engineering at the University of California, Merced. For application requirements, refer to http://graduatedivision.ucmerced.edu/, and for more information regarding our graduate program, contact the Graduate Program Coordinator, Ms. Tomiko Hale at thale2@ucmerced.edu.

## Strong Preference will be given to students with:

- Undergraduate or masters degree in Mechanical Engineering, Physics, Applied Mechanics or Applied Mathematics
- Excellent mathematical background and aptitude
- Excellent interdisciplinary communication, technical writing and presentation skills
- Knack to learn software tools and computational programming skills



