

## Oliver R. Serang, Ph.C.

---

Department of Genome Sciences  
University of Washington  
Noble Research Group

orserang@uw.edu  
<http://students.washington.edu/orserang>

### Education

B.S. Computer Engineering, North Carolina State University, 2006  
Ph.D. Genome Sciences, University of Washington, (in progress)

### Research Experience

Research Assistant 2002–2003  
Spencer Muse, N. C. State University  
Optimization methods for Muse-Gaut codon model. Code contributed to HyPhy software package.

Research Assistant 2003–2006  
Jeffrey Thorne, N.C. State University  
Optimization methods for phylogenetic analysis.

### Employment

Bruce Weir N. C. State University  
Computer Technician 2002–2006  
C++ and UNIX development. Maintained Windows and Linux workstations. Code contributed to DNAMIX package.

### Honors and Awards

National Merit Scholarship, 2002 – 2006  
North Carolina State University Engineering Contest First Prize, 2002  
Howard Hughes Summer Research Internship, 2002  
Undergraduate Research Award, North Carolina State University, 2004  
IEEE SoutheastCon Software Engineering Team Contest 4th Place, 2004

### Outreach

Volunteer, Pacific Coast Science Center Autumn 2007

### Teaching Experience

Introduction to Genetics Summer 2008 with Prof. Mary Kuhner, University of Washington  
CSI Seattle 2009 with Profs. Celeste Berg and Bonnie Brewer, University of Washington

### Conference Posters

“Protein Identification with Linear Programming” HUPO 2008, Amsterdam

### Conference Talks

“A Probabilistic Algorithm for Protein Identification Using a Simple, Realistic Model that Recognizes Degeneracy” ASMS 2009, Philadelphia