Graduate Student (PhD) positions are available in Dr. Eirin-Lopez's Chromatin Structure & Evolution Lab at the Department of Biological Sciences in Florida International University (biology.fiu.edu) starting in Fall 2015.

We are looking for enthusiastic, dynamic and independent students broadly interested in studying the interface between evolution, epigenetics and adaptation. Students would ideally have a B.S. degree in Biology or related discipline (academic training in biology, statistics, genetics and evolution) and must be proficient in English (both spoken and written). Candidates with additional knowledge on computer science and/or bionformatics are encouraged to apply. Our research addresses the study of chromatin and epigenetics from different perspectives, most notably evolution, development and adaptation. To this end we use marine invertebrates as model systems in the lab, as well as a wide range of eukaryote groups in molecular evolutionary analyses. Our current projects combine elements from molecular biology, biochemistry, next generation sequencing, bioinformatics and molecular evolution to address environmental problems in the oceans. Our work requires good organizational and computational skills and the ability to work collaboratively as part of a team. More information on our research is available at our website: chromevol.com

Potential research topics include (but are not limited to): 1) Epigenetic basis of adaptive responses; 2) Chromatin structure & specialization in marine invertebrates, 3) Molecular evolution of genes and genomes; 4) Bioinformatics analyses of next generation sequencing "-omic" data. Related research topics are also encouraged to apply. Interested students will be required to apply to the Graduate Program in the Department of Biological Sciences at FIU (biology.fiu.edu/academics/graduate-programs). Acceptance in the lab will be subject to successful competition for Teaching Assistantships (TAs). Interested students are also strongly encouraged to apply for graduate research fellowships, such as the National Science Foundation Graduate Research Fellowship. Qualified candidates are encouraged to submit a statement of interest, curriculum vitae, unofficial transcripts (GPA scores), GRE scores, TOEFL scores (if applicable) and summary of research interests in a single PDF file to Dr. Eirin-Lopez (jeirinlo@fiu.edu). To receive full consideration, applications and required materials should be received as soon as possible, and not later than November 30th.

Successful candidates will be based at FIU's Biscayne Bay Campus in North Miami, home of the Marine Science Program (marine.fiu.edu). With unique access to diverse coastal ecosystems in South Florida and the Caribbean, this Program strives for excellence in research, teaching, and public outreach. Such a privileged location offers unique access to state of the art molecular, bioinformatics and marine biology resources, including a well-developed American Advancement for Underwater Science (AAUS) certified dive program and several research vessels and boating facilities.

Florida International University (fiu.edu) is Carnegie-designated as both a research university with high research activity and a community-engaged university. Located in the heart of the dynamic south Florida urban region, our multiple campuses serve more than 50,000 students, placing FIU among the ten largest universities in the nation. Our annual research expenditures in excess of $100 million and our deep commitment to engagement have made FIU the go-to solutions academic institution for issues ranging from local to global. FIU is a member of the State University System of Florida and is an Equal Opportunity, Equal Access Affirmative Action Employer.