



Molecular Biology Postdoctoral Position at the University of Virginia

(Dr. Michael Guertin's Group)

Position: Our group is seeking a motivated experimental biologist in our Molecular Genomics lab. We are located within the Biochemistry and Molecular Genetics Department and the Center for Public Health Genomics at the University of Virginia. Visit our website: www.guertinlab.org.

About the Guertin Lab: Our group is at the interface of molecular biology and computational biology. We develop and adopt experimental techniques and software to study basic mechanisms of transcription and chromatin function within the context of cancer biology. We apply our methods to a diverse number of projects: inferring and predicting transcription factor binding intensities, elucidating the role of spontaneously processed pseudogenes in breast cancer, defining mechanisms of glucocorticoid-induced apoptosis using time-course genomics data, determining the mechanisms of steroid resistance in blood and breast cancer, and constructing transcriptional regulatory networks from genomics data.

The candidate will use and generate genomics data (DNase-seq, ChIP-seq, PRO-seq, RNA-seq, etc.) to address fundamental questions about cancer biology and transcriptional regulation. The candidate is expected to work closely with UVA clinicians and to adapt molecular genomics techniques to primary tissues for use in clinical diagnostics. The candidate will have flexibility to choose his or her own research projects and the majority of the candidate's time will be devoted to their research projects. The candidate will be matched with close mentorship and will have the ability to work towards establishing academic independence.

Required Qualifications:

- Ph.D. degree in Molecular Biology, Biochemistry, Cell Biology, Biomedical Science, Development, Genomics, or a related field.
- Strong interest in at least one of the following: transcription regulatory networks; chromatin; cancer biology.
- Self-motivation and time management skills.
- Independence, creativity, and passion for science.

Preferred Qualifications:

- Familiarity with the transcription and genomics literature.
- Experience with analyzing genomics data.
- A record of publication in peer-reviewed journals.

Living in Charlottesville:

Charlottesville is a charming college town located in the foothills of the Blue Ridge Mountains. The local community offers farmer's markets, diverse neighborhoods, great public schools, restaurants, arts, entertainment, and endless opportunities for sports and outdoors recreation.

Interested applicants are encouraged to email their curriculum vitae and the contact information for at least two references to: Dr. Michael Guertin (guertin@virginia.edu). Applicants will be considered until the position is filled. Applicants also need to apply to the generic department posting at <https://jobs.virginia.edu> using posting number 0616577. The University of Virginia is an equal opportunity/affirmative action employer.