

Investigating Long Noncoding RNAs in Cancer
Dimitrova Laboratory
Yale University
*Department of Molecular, Cellular
and Developmental Biology*

Position: Postgraduate Research Assistant
Start date: Summer/fall of 2017

The Dimitrova lab at Yale University is looking for a motivated and highly organized individual to join our group as a postgraduate research assistant. The candidate should have experience in a biological research environment and should expect to receive a BS degree in biology or biochemistry in May 2017. This is a perfect opportunity to conduct cutting-edge biomedical research, to learn advanced techniques and to build strong analytical skills before going on to earn a PhD, MD, or MD/PhD degree. The position is for 1 year, extendable to 2 years and will be available in the summer of 2017.

The Dimitrova lab focuses on long noncoding RNAs (lncRNAs) and their roles in the regulation of critical cellular pathways during tumor development. We use advanced CRISPR/Cas9 technologies to edit as well as transcriptionally control long noncoding RNAs implicated in cancer pathways. Experiments are performed in mammalian cell lines and in mouse models of lung cancer. Our goal is to dissect the complex biology of long noncoding RNAs and to gain a deeper understanding of their contribution to health and disease at the cellular and organismal level. Our lab is a dynamic, young group of investigators at all levels of their careers.

Duties will include including tissue culture, cloning, DNA, RNA and protein isolation and analysis. Additional duties will include basic husbandry of a mouse colony, PCR genotyping as well as initiating and monitoring lung tumor studies. Attention to detail and a strong sense of responsibility are essential. Applicant must be a team player, possess strong communication skills and will also be responsible for providing general lab support. Although previous experience is preferred, hands-on training will be provided.

To apply, send a CV and a cover letter to **nadya.dimitrova@yale.edu**. Please provide two references, at least one of which can evaluate your lab experience.