



NATIONAL CANCER INSTITUTE Center for Cancer Research

Postbac position available at the Center for Cancer Research, National Cancer Institute, NIH

Program description: The NIH Postbaccalaureate Intramural/Cancer Research Training Award (Postbac IRTA/CRTA for short) provides recent college graduates an opportunity to spend one or two years doing paid, full-time research at the NIH in order to gain experience and training before applying to graduate or medical school. Postbac IRTA/CRTA awardees work side-by-side with some of the leading scientists in the world, in an environment devoted exclusively to biomedical research. For more information on the program please visit https://www.training.nih.gov/programs/postbac_irta.

Position description: We seek highly motivated postbacs interested in conducting cutting-edge research on cell signaling pathways at the intersection of developmental, stem cell and cancer biology. Candidates will join the group of Dr. Andres Lebensohn, an Earl Stadtman Principal Investigator in the Laboratory of Cellular and Molecular Biology (LCMB) at the Center for Cancer Research of the National Cancer Institute, NIH. We combine functional genomics, genetics, cell biology and biochemistry to study how signaling pathways are used, reused and repurposed to drive the myriad different cellular processes that give rise to tissues and organs during embryonic development, and maintain them in adult life. A major focus of the lab is on WNT signaling, a fundamental pathway that orchestrates embryonic patterning and morphogenesis, and promotes adult tissue renewal and regeneration. We use powerful genetic screens in human cells to discover new regulatory mechanisms, and probe their molecular underpinning through biochemistry and cell biology to understand how they enable the pathway to generate distinct physiological outcomes. Based on this understanding we hope to devise more selective therapeutic strategies to target tumors driven by dysregulation of WNT signaling. Descriptions of specific research projects can be found at <https://ccr.cancer.gov/Laboratory-of-Cellular-and-Molecular-Biology/andres-m-lebensohn>.

The lab is located at the NIH Bethesda campus within a vibrant biomedical research community, with access to state-of-the art research facilities and close links to the NIH Clinical Center, winner of the 2011 Lasker-Bloomberg Award for Public Service and one of the leading clinical research hospitals in the world. The open lab space and collegial atmosphere shared by the seven groups of the LCMB (<https://ccr.cancer.gov/Laboratory-of-Cellular-and-Molecular-Biology>) ensures that postbacs have a strong support network and plenty of opportunities to present and discuss their research with close peers. A short metro ride to Washington D.C. and the surrounding areas provides easy access to numerous free museums (<https://washington.org/free-things-to-do>), excellent culinary choices and many outdoor activities.

Qualifications: Applicants must have some laboratory experience and be passionate about a career in biomedical research. Backgrounds in biochemistry, molecular and cell biology, developmental biology or genetics are desirable but not required. There is a minimum commitment of one year, with the possibility of extending the appointment into a second year. Any start date in 2019 will be considered.

Compensation: A generous stipend, funds for travel to scientific conferences and healthcare benefits.

How to apply: Please email your cover letter, CV and a brief description of your specific interest in the lab to andres.lebensohn@nih.gov AND also complete the Postbac IRTA/CRTA program application that can be accessed through <https://www2.training.nih.gov/apps/publicForms/pbt/forms/pbtApp.aspx>.