

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

Program description: The NIH Postbaccalaureate Intramural or Cancer Research Training Awards (Postbac IRTA/CRTA for short) provide recent college graduates the opportunity to do 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. Altogether, the NIH is home to more than 1000 postbacs. For more information on the program please visit the NIH Office of Intramural Training and Education website at 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 (<https://ccr.cancer.gov/Laboratory-of-Cellular-and-Molecular-Biology>). 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 in all animals, and promotes adult tissue renewal and regeneration. Dysregulated WNT signaling also drives many types of cancer. We use powerful functional genomic screens in human cells to discover new regulatory mechanisms, and elucidate their molecular underpinnings through biochemical studies. Understanding how this regulation enables the WNT pathway to produce distinct physiological outcomes will allow us to devise more selective therapies to target tumors driven by dysregulated WNT signaling. For more information about our group and descriptions of research projects please visit <https://ccr.cancer.gov/Laboratory-of-Cellular-and-Molecular-Biology/andres-m-lebensohn>.

Environment: 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, 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 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. Postbacs must commit for two years starting anytime in 2020.

Compensation: A generous stipend (currently \$39,000 for candidates with cumulative GPA ≥ 3.5), funds for travel to scientific conferences and healthcare benefits will be provided.

How to apply: Please email a cover letter, a CV and a brief description of why you are interested 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/login.aspx>.