

Postdoctoral position in epigenetics of pluripotent stem cells, development and cancer

The Dawlaty Laboratory at the Genetics Department and the Institute for Stem Cell and Regenerative Medicine Research of the Albert Einstein College of Medicine is actively seeking highly motivated postdoctoral fellows to be part of a young and energetic team studying the epigenetics of embryonic stem cells, development and cancer as part of our newly funded projects.

Central theme of research: Our research focuses on understanding the epigenetic mechanisms governing the biology of stem cells, development and cancer with an emphasis on the role of DNA modifying enzymes. We utilize embryonic stem cells, induced pluripotent stem cells and mice as model systems and combine bioinformatics, cellular and molecular approaches to study how DNA modifying enzymes reshape the epigenome and regulate development and cancer. For more details on our research see previous work (Dawlaty et al Cell Stem Cell 2011, Dawlaty et al Developmental Cell 2013, Dawlaty et al Developmental Cell 2014, Rudenko & Dawlaty et al Neuron 2013, Cimmino & Dawlaty et al Nature Immunology 2015) or visit our website <http://www.einstein.yu.edu/faculty/14514/meelad-dawlaty/> and <http://dawlatylaboratory.weebly.com/>

Lab expertise: The lab specializes in state-of-the-art technologies of genome engineering in mouse and human embryonic stem cells and iPSCs and generating complex strains of conditional, inducible, transgenic and knockout mice to dissect epigenetic pathways and mechanisms in vitro and in vivo.

Application Requirements:

1. Ph.D. or M.D. or equivalent degree.
2. A record of publication from PhD or prior postdoctoral training work.
3. Prior experience with general tissue culture, molecular biology and mouse work.
4. Prior training/background in stem cell/developmental biology, genetics and molecular biology is preferred.
5. Prior experience in bioinformatics (mainly genomic analyses of DNA and histone modifications, gene expression profiling and high through put sequencing data such as RNA-seq, MeDIP-seq and ChIP-seq) is highly desired.

To apply, please email your CV and a cover letter summarizing your experience, along with the contact information of three references to meelad.dawlaty@einstein.yu.edu addressed to Meelad Dawlaty Ph.D., Assistant Professor of Genetics, Institute for Stem Cell and Regenerative Medicine Research, Albert Einstein College of Medicine, New York, NY

The Scientific Community: Among the top tier of the nation's medical schools to receive NIH funding, Albert Einstein College of Medicine offers a highly interactive and stimulating academic environment for scientists in training. Additionally, candidate's research will benefit from the highly interactive environment within the Gottesman Institute for Stem Cell and Regenerative Medicine, the Department of Genetics, Developmental and Molecular Biology, the Cancer Center and throughout the college. We are located in a pleasant residential area in the northeast corner of New York City with an easy commute to Manhattan and the suburbs of Westchester County. We offer competitive salary and benefit packages with optional postdoctoral housing on campus.