Search for Postdoctoral Scholars - He Lab, UC-Berkeley

Description:

The He lab at UC-Berkeley is one of the pioneers in studying the functions of the non-coding genome in mammalian development and disease. We employ novel approaches in mouse genetics, comparative genomics, cell and molecular biology to understand the functional importance and the molecular regulation of various non-coding elements, including microRNAs (miRNAs), long ncRNAs and more recently, transposon elements. Combining new technology of mouse CRISPR genome engineering and innovative live cell imaging technologies, the He lab pioneers *in vivo* studies to elucidate the new cellular functions and new molecular mechanisms of ncRNAs and transposons, which often lead to exciting new directions in the field. The discoveries of the He lab have been well recognized by prestigious journals including *Nature*, *Science* and *Cell*.

The PI, Dr. Lin He, was awarded the prestigious MacArthur Fellowship and the Searle Scholar in 2009, and is currently a Howard Hughes Medical Institute (HHMI) Faculty Scholar, and a Thomas and Stacey Siebel distinguished chair professor at UC-Berkeley. More information about The He Lab can be found via helabucb.weebly.com

The He lab is in the MCB department at UC-Berkeley, which encompasses a breadth of disciplines spanning all levels of organization and encompassing diverse organisms. UC-Berkeley is at a central location in the San Francisco bay area, surrounded by many excellent academic institutions and biotech/pharmaceutical companies. The breath of training, combined with the unique location of Berkeley in the center of biomedical research, offer a nurturing environment for the next-generation scientist to launch on a successful career in biomedical research in academia and industry.

Responsibilities:

The He Lab at UC-Berkeley is seeking a creative, accomplished, and highly motivated postdoctoral scholars to work within our graduate students and postdoctoral fellows. The postdoctoral fellow will work closely with the PI and junior students/staff members to study the roles of non-coding elements in mammalian preimplantation development, embryonic stem cell biology, cilia biology and disease, and lung cancer metastasis. The postdoc fellow will have a unique opportunity to learn our novel *in vivo* CRISPR-genome editing tools, and to create a innovative research program using *in vivo* biology.

Minimum/Basic Qualifications Required (At the time of application):

Ph.D. in Genetics, Genomics, Cell Biology, Molecular Biology, Biochemistry, Bioengineering, or related field, with a track record of first-author publication(s) in peer-reviewed journals. Successful trainees are those who are truly excited about science, who often have prior experiences in mouse genetics, RNA biology, imaging, or genomics. Excellent writing and communication skills in English is preferred.

To Apply:

Interested individuals should submit an updated CV, and contact information for 3 recommendation letters, and a cover letter. (Letters of reference may be requested of the finalists). Please send these documents to Dr. Lin He at glinhe@gmail.com