

POST-DOCTORAL SCIENTIST

Department of Genetics and Genome Sciences
Case Western Reserve University
Cleveland, Ohio. USA

Transcriptional networks in epithelial function relevant to human lung disease.

The goal of this project is to determine the mechanisms of cross-talk between the epithelial-selective ETS-family transcription factors EHF and ELF5. These factors are encoded by neighboring genes located at the cystic fibrosis (CF) modifier region on chr11p13, which is associated with CF lung disease severity. EHF and ELF5 both have a pivotal role in epithelial cell biology and coordinate many key functions of the airway epithelium including its response to damage in disease states such as CF.

Successful applicants will have a strong record of accomplishment as shown by publications as a graduate student and/or postdoc, be highly motivated, and have a passion for elucidating disease mechanisms by functional genomics approaches.

Expertise in one or more of the following areas is required: transcription factor biology/biochemistry; protein purification, post-translational modifications; cell biology; genomics technologies including ATAC-seq, ChIP-seq, RNA-seq and the use of relevant bioinformatic pipelines.

Familiarity with general techniques of molecular biology and mammalian cell biology is essential. We are part of a vibrant and interactive research community at Case Western Reserve University and occupy excellent, modern laboratory space.

Please send an electronic letter of application, quoting the reference CWRU/AH2/2021A, Curriculum Vitae and contact information of 3 referees to: jobsview@case.edu. Hiring is contingent upon eligibility to work in the United States.

DIVERSITY STATEMENT: In employment, as in education, Case Western Reserve University is committed to Equal Opportunity and Diversity. Women, veterans, members of underrepresented minority groups, and individuals with disabilities are encouraged to apply.

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