



THE UNIVERSITY OF
WESTERN AUSTRALIA



HARRY PERKINS INSTITUTE
OF MEDICAL RESEARCH

POST-DOCTORAL POSITION - MAMMALIAN BRAIN EPIGENOMICS

Epigenetics and Genomics Laboratory (Lister Lab)

Harry Perkins Institute of Medical Research

The University of Western Australia

- 2.5 year appointment
- Salary: Level A (\$92,497 p.a.) or Level B (\$97,310 - \$115,350 p.a.)
- [Job Reference # 500889](#)

A post-doctoral position is available to develop and lead experimental research projects in the area of mammalian brain epigenomics, using high-throughput single cell epigenome profiling techniques to investigate epigenome patterns and dynamics during neuronal differentiation and stimulation, both *in vivo* and in cell culture systems, and their perturbation in neurological disorders.

The Epigenetics and Genomics Laboratory ([Lister Lab](#)), located at the Harry Perkins institute of Medical Research and the University of Western Australia, is comprised of molecular, cellular and computational biologists, forming a multi-disciplinary group undertaking a diverse range of (epi)genomics research. We utilize genomic, computational, cellular, and molecular approaches in multiple systems to investigate cellular mechanisms that control the usage of information encoded in the genome, and their roles in cell function and development. We have a particular interest in characterization and manipulation of the epigenome and cell identity using genomic and synthetic approaches.

Candidates should have experience in a diverse range of molecular and cell biology techniques and a demonstrated record of research productivity in relevant areas. Expertise in molecular and cellular analyses in the context of brain development, neuronal function, and neurological disorders is highly relevant. Advantageous skills include experience with the isolation, culture, functional characterization and manipulation of mammalian neurons, flow cytometry, high throughput DNA sequencing, and bioinformatics as applied to genomics data analysis. A PhD in neurobiology, molecular biology, biochemistry, genetics, or related disciplines is required. This is a full-time position, initially for a period of two and a half years, with the possibility of further extension. Full details of the responsibilities and selection criteria are outlined in the [Position Description](#).

Application: All applications should be submitted by email directly to recruitment-hr@uwa.edu.au with the relevant job reference number included in the subject line. Applications should include a current CV, a separate statement addressing the key selection criteria outlined in the Position Description, and a cover letter that describes the applicant's research interests and career goals.

For further information contact Ryan Lister (ryan.lister@uwa.edu.au)

Closing date: June 24, 2018