



**Laboratoire  
de Neurosciences  
Cognitives et  
Adaptatives  
UMR 7364**

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Directeur

### Post-doctoral position in neuroepigenetics

A two-year post-doctoral position is available in the Laboratory of Cognitive and Adaptive Neurosciences (LNCA) in Strasbourg to study epigenetic regulation in Huntington's disease (HD), a neurodegenerative disease affecting primarily the striatum. The project will focus on interesting results showing selective impairment of tissue-specific enhancers (e.g. super-enhancers) in the striatum of HD mice and patients. The aim of the project is to assess functional consequences of altered epigenetic regulation in HD, using complementing approaches (from molecular scale, including genomic approaches such as RNAseq, ChIPseq and 4Cseq, to behavior). Prior experience in molecular biology is required. Skills in mouse behavior will be an asset. Highly motivated candidates should send their application (motivation letter, CV, and at least two recommendation letters) to Karine Merienne ([karine.merienne@unistra.fr](mailto:karine.merienne@unistra.fr)).

### Related publications

Late-Life Environmental Enrichment Induces Acetylation Events and Nuclear Factor  $\kappa$ B-Dependent Regulations in the Hippocampus of Aged Rats Showing Improved Plasticity and Learning. Neidl et al. **J. Neurosci** 2016 36(15) :4351-61

Neuronal identity genes regulated by super-enhancers are preferentially down-regulated in the striatum of Huntington's disease mice. Achour et al. **Hum Mol Genet.** 2015 24(12) :3481-96

Acetyltransferases (HATs) as targets for neurological therapeutics. Schneider et al. **Neurotherapeutics.** 2013 10(4) :588-88

A novel activator of CBP/p300 acetyltransferases promotes neurogenesis and extends memory duration in adult mice. Chatterjee et al. **J. Neurosci** 2013 33(26) :10698-712

Tissue-dependent regulation of RNAP II dynamics: The missing link between transcription and trinucleotide repeat instability in diseases? Goula AV et al. **Transcription.** 2013 2;4(4)

Transcription Elongation and Tissue-Specific Somatic CAG Instability. Goula AV et al. **PLoS Genetics.** 2012 8(11):e1003051.

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