Institut des Neurosciences GRENOBLE

## Post-doc position in Neurosciences, Grenoble, France

**Humbert lab**
**« Neural progenitors and brain pathologies »**
**GIN – Inserm 1216 – University Grenoble Alpes**

While Huntington's disease (HD) is a neurological disorder with late manifestation, there is evidence that huntingtin, the protein causing HD, participates to several steps of cortical development. These mechanisms are deregulated in HD conditions leading to abnormal cortical development. The goal of the postdoctoral project is to further study the molecular mechanisms by which HTT mediates its role during brain development and to assess how this may impact on adult brain and behavior.

We are seeking a highly motivated scientist. Experience in cellular and mouse biology is required. Additional knowledge in cortical development and neurological disorders would be a bonus. The 3-year funded position is open this fall (2017).

The laboratory is part of the Grenoble Institute of Neurosciences GIN, a research center devoted to understanding brain functions in health and diseases. The GIN is founder member of the Grenoble center of excellence in neurodegenerative disorders (GREEN). Grenoble is an active research city in France located three hours from Paris by train.

*Candidates should apply by sending a CV, a brief outline of current research, scientific interests and career goals, as well as the name and contact details of at least two academic references to sandrine.humbert@inserm.fr*

### References (selection)


- Barnat M, Le Friec J, Benstaali C and Humbert S (2017). Huntingtin-mediated Multipolar-Bipolar Transition of Newborn Cortical Neurons is Critical for their Postnatal Neuronal Morphology. Neuron, *93, 99-114.*
- Elias S, McGuire JR, Yu H and Humbert S (2015). Huntingtin is required for epithelial polarity through RAB11A mediated apical trafficking of PAR3-aPKC. *Plos Biol*, 13:e1002142.
- Molina-Calavita M, Barnat M, Elias S, Aparicio E, Piel M and Humbert S (2014). Mutant huntingtin affects cortical progenitor cell division and development of the mouse neocortex. *J Neurosci,* 34, 10034-10040.
- Ben M'Barek K, Pla P, Orvoen S, Benstaali, Godin JD, Gardier AM, Saudou F, David DJ and Humbert S (2013). Huntingtin Mediates Anxiety/Depression-related Behaviors and Hippocampal Neurogenesis. *J Neurosci,* 33, 8608-8620.