Département de psychiatrie
Centre de neurosciences psychiatriques
Site de Cery
CH-1008 Prilly - Lausanne

# Centre de Neurosciences Psychiatriques

# CNP SEMINAR

## ANNOUNCEMENT

**Wednesday, August 27, 2014, 11:00**

## "Psychiatric disorders at single-cell resolution: Lessons from abnormal brain development in chromosome 16p11.2 deletion syndrome"

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Invited by Kim Do Cuénod
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**Auditoire, Hôpital Psychiatrique de Cery**
**Site de Cery, CH-1008 Prilly-Lausanne**

In my presentation I would like to cover the complexity and heterogeneity of neurodevelopmental disorders at the behavioral/diagnostic, genetic and circuit level using the example of the 16p11.2 deletion syndrome. I will further discuss different model systems and technologies that allow us to gain insight into dysfunction of discrete neuronal cell populations and circuits in this disorder. Introductory literature for the students might include the following:

1. Shinawi, M., Liu, P., Kang, S.H., Shen, J., Belmont, J.W., Scott, D.A., Probst, F.J., Craigen, W.J., Graham, B.H., Pursley, A., et al. (2010). Recurrent reciprocal 16p11.2 rearrangements associated with global developmental delay, behavioural problems, dysmorphism, epilepsy, and abnormal head size. J. Med. Genet. 47, 332–341. **This paper highlights key clinical features of the 16p11.2 deletion syndrome.**

2. Geschwind DH. (2009). Advances in autism. Annu Rev Med. 2009;60:367-80.
doi: 10.1146/annurev.med.60.053107.121225. **This review is a broad introduction into autism spectrum disorders including some interesting historical insights.**

3. Abrahams BS, Geschwind DH. (2008). Advances in autism genetics: on the threshold of a new neurobiology. Nat Rev Genet. 2008 May;9(5):341-55. doi: **This review is somewhat similar to the previous one, however, with a much more detailed emphasis on the various genetic components implicated in autism.**

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