



Institute of Developmental Biology and Cancer



**POST-DOC POSITION AVAILABLE:
Post-transcriptional control of axon morphogenesis in *Drosophila***

A two-year post-doctoral position is available from October 2009 at the Institute of Developmental Biology and Cancer (IBDC-UMR6543, Nice, France; <http://www.unice.fr/isdbc/>) in F.Besse's newly established group.

Group interests/Project description

Our group studies the biological roles and the mechanisms of local mRNA regulation during axonal development, using the *Drosophila* adult CNS as a model system. Using a combination of genetic and biochemical approaches, we are in particular analyzing the *in vivo* function of RNA binding proteins involved in sub-cellular mRNA targeting and localized translation.

Several projects are running in the group:

- 1) live-cell imaging to study the dynamics of ribonucleoprotein particle recruitment within axonal projections
- 2) genome-wide RIP-chip analysis to identify the targets of an RNA binding protein that we recently identified as a regulator of axon guidance
- 3) RNAi-based genetic screen to identify new RNA-binding proteins controlling axon morphogenesis

Qualifications and Experience

Candidates should have a PhD in cell biology, molecular biology, genetics, neurobiology or related disciplines. Experience with fly genetics or axon guidance will be considered advantageous.

English is the working language in the lab and in the Institute.

Funding

The position is funded for 2 years *via* an HFSP Career Development Award, and the starting date is flexible (from October 2009 to January 2010).

Applications

Interested candidates should send a CV, a description of research interests and accomplishments, and names and contact information of 2 referees to Florence Besse: besse@unice.fr.