



Institute of Developmental Biology and Cancer



**POST-DOC POSITION AVAILABLE:
axon morphogenesis and local RNA regulation in *Drosophila***

A two-year post-doctoral position is available from January 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 available, such as *live-cell imaging* to study the dynamics of ribonucleoprotein particle recruitment; *RIP-chip* analysis to identify the targets of an RNA binding protein that we recently identified as a regulator of axon guidance; and *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 through the ATIP programme and will start in January 2009 at the earliest.

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@embl.de.