



## Post-Doctoral Position

### **Matrix/integrin-generated signaling in invasive head and neck squamous cell carcinoma (HNSCC)**

A two-year post-doctoral position is available to study the contribution of matrix/integrin-generated signals to the invasive phenotype of head and neck squamous cell carcinoma (HNSCC). In addition to being an adhesive substrate for the migration of invasive tumor cells, the ECM provides a permissive environment for protumoral signaling and resistance to treatment. Based on previous studies from our team, the project will focus on oncofetal variants of ECM components that are upregulated in HNSCC. Our approach is multidisciplinary, bringing together basic and clinical scientists with complementary expertise (cell biology, mouse tumor models, epigenetics, virology, radiotherapy and human tumor pathology) and state of the art techniques.

**The candidate** will contribute to the elucidation of integrin-based signaling that underlies the bidirectional communication between tumor cells and the desmoplastic stroma of highly invasive and angiogenic head and neck tumors. Candidates should be highly motivated and hold a PhD in cellular or molecular biology. A background in cell biology and experience in cell imaging will be an asset. MDs and MD/PhDs with a strong interest in basic research will also be considered.

**IDBC** (<http://ibdc.unice.fr/>), to become in January 2012 the Institute of Biology of Valrose (**iBV**), is a leading center for research in Cellular and Developmental Biology. Cancer is one of the diseases which receives prioritized attention. The Institute is situated on the Valrose campus of the University of Nice, which benefits from 6 internationally recognized research centers in the area of life-sciences. **iBV** has an excellent imaging facility (IBiSA label) which offers state-of-the-art equipment for photonic imaging and collaborative ties with clinical partners (A. Lacassagne Cancer Center and University Hospital "Institut Universitaire de la Face et du Cou").

Please send full CV including research interests and the name of 2-3 referees by email to:  
Ellen Van Obberghen-Schilling, PhD  
Group Leader, CNRS UMR-6543, Centre A. Lacassagne, 33 Ave. de Valombrose, Nice, FRANCE  
E-mail: [vanobber@unice.fr](mailto:vanobber@unice.fr)