



## **Postdoctoral Scientist in Telomere biology and nuclear organization**

CBI

### **Job Description**

A 3-year postdoctoral scientist position funded by ERC is available from September 2018 at the Center for Integrative Biology of Toulouse (CBI, <http://cbi-toulouse.fr>). The ideal candidate must have a solid background in nucleus biology, preferably in human cells. Previous work on protein interaction is appreciated, and experience with confocal microscopy is a plus. We are seeking applicants who are highly motivated, independent, and who like to work in a team-oriented environment. He/she must have published articles in top ranking scientific journals.

The Crabbe lab is studying telomere biology in human cells, with a special emphasis on their dynamics and distribution in the nuclear volume over time. We are focusing on the molecular mechanisms driving the interaction between telomeres and the nuclear envelope during postmitotic nuclear assembly (Crabbe et al, 2012 Cell Reports) and on its biological significance. We are using a combination of techniques from microscopy (live cell confocal & Airyscan, STED, SIM), biochemistry (mass spectrometry) and molecular biology (whole-genome sequencing, CRISPR-Cas9 genome engineering) for an integrative view of telomere function in genome organization.

The Crabbe lab is relocating from I2BC-Paris, where it is currently located, to the newly established CBI in Toulouse. The CBI gathers teams that investigate the mechanisms of genome expression, maintenance and evolution using a large number of model systems ranging from bacteria to mouse, and the most up to date technologies including biochemistry and biophysics of single molecules, molecular genetics, *in vivo* and *in vitro* imaging at different scales and genome-wide approaches. Toulouse is a vibrant city located in south of France.

**Candidates should send a CV, a brief summary of current and future research interests, and names and e-mail addresses of three references to Laure Crabbe:**  
[laure.crabbe@i2bc.paris-saclay.fr](mailto:laure.crabbe@i2bc.paris-saclay.fr)

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