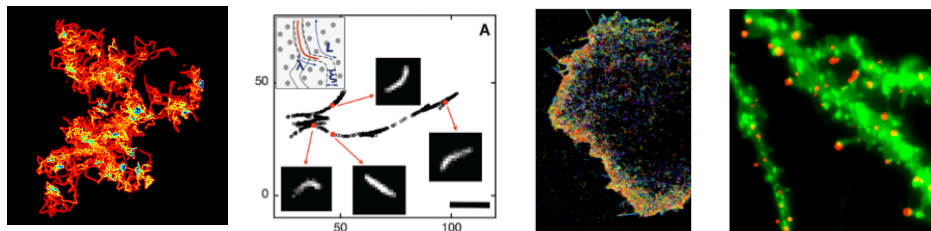


## Postdoc positions in biophotonics

*Super-resolution microscopy, single particle tracking, label-free quantitative-phase imaging, 3-photon microscopy*

Several postdoctoral positions are available in the Cognet research group ([www.cognet-research.com](http://www.cognet-research.com)) to work on an *interdisciplinary* ERC SYNERGY funded project aiming at developing multimodal high-resolution optical microscopy techniques for applications in brain science. Postdoc positions include the elaboration of novel strategies in NIR single particle tracking, label-free quantitative phase imaging and 3 photon fluorescence microscopy for the study of thick intact biological systems.

Our group is based at the Institute of Optics at University of Bordeaux where we study light/matter interactions in individual nanoscale objects and develop high-resolution microscopy approaches for answering key biological questions, often implying molecular diffusion processes (e.g. *Science* 07, *Science* 08, *Science* 10, *Nat. Comm* 16, *Nat. Nanotechnol* 17, *Nat Methods* 18, *Adv. Science* 19, *Nat. Comm.* 20 etc.).



We are specifically looking for candidates with:

- a PhD in physics, photonics or optical engineering
- with experience in optical microscopy: super-resolution microscopy, single particle tracking, multiphoton microscopy, label-free microscopy etc.
- a strong publication record,
- a high motivation
- strong social and communication skills.

**Working site:** Institut d'Optique Graduate School, University of Bordeaux, France

### How to apply:

Send i) a cover letter explaining your research training and interests, ii) your detailed CV, and iii) at least two reference letters to Laurent COGNET ([laurent.cognet@u-bordeaux.fr](mailto:laurent.cognet@u-bordeaux.fr))

**Duration:** 12 months renewable

**Gross salary:** about 2 700 € to 3 500 € /months depending on the level of experience.