



ASSISTANT ENGINEER / ENGINEER POSITION WITH A MICROSCOPY PLATFORM: 1 YEAR

Laboratory and Work Environment

Microscopy platform (core facility) PRISM, Institute of Biology Valrose (iBV), CNRS UMR 7277 - Inserm U1091 – Université Nice Sophia Antipolis (UNS), Faculté des Sciences, Parc Valrose, Nice.

The iBV (<http://ibv.unice.fr/EN/index.php>) is an international life science research institute of 270 persons working within 24 research teams. These groups use various cellular systems (e.g., cell lines, primary cultures) and model organisms (e.g., mouse, zebrafish, nematode, *Drosophila*, yeast) to address both fundamental and applied questions in biology.

The recruited engineer will work at the microscopy facility of the iBV: PRISM (<http://ibv.unice.fr/EN/institute/microscopie.php>). The platform offers access to 3 scanning confocals, one multi-photon microscope, a spinning-disk system, 3 video-microscopes, several wide-field systems, as well as custom image analysis and optical development services. PRISM is part of a regional imaging network called MICA (Microscopie Côte d'Azur www.mica-bio.fr), which manages 7 photonic and electronic microscopy platforms of the academic research institutes of the Côte d'Azur (French Riviera).

The successful applicant will work under the direct supervision of the manager of the platform, and also in close cooperation with an engineer responsible for technological development and 2 scientific advisors of the platform.

Missions of the Platform:

- Provide service to the users, including but not limited to: system maintenance, user training and assistance
- Offer institutional courses in microscopy and imaging (Inserm, CNRS or UNS staff courses, UNS student classes)
- Participate in the research activities of the institute

Primary Responsibilities:

- Participate in the day-to-day life of the platform (ordering of material, reservation site management, participation to weekly meetings, contribution to the platform evolution, management of the documents related to the equipment)
- Assist users in their experimental design, from sample preparation to image analysis
- Train and assist users on facility equipment (microscopes and analysis tools: ImageJ/MetaMorph/Volocity/IMARIS)
- Take care of the daily maintenance of the equipment and interact with suppliers for support



- Participate in group trainings in microscopy and image analyses
- Develop image analysis tools (ImageJ macros, MetaMorph journals) to allow automation of the treatment and analysis of users' images

Expected skills and Qualifications

- Self-motivation and autonomy, with a desire to learn and assist others, are essential
- Dynamism and motivation to work within a team
- Strong knowledge of conventional microscopy techniques (especially wide-field and scanning confocal microscopy)
- Knowledge of labeling techniques and probes used in photonic microscopy
- Experience with multi-photon microscopy is desirable
- Relevant education in biology
- Experience in image treatment and analysis
- Excellent communication skills (ability to work with researchers, sales representatives and service technicians with various levels of microscopy knowledge)
- Ability to communicate in English
- Methodology and rigor in equipment follow-up
- Professional experience with an imaging platform or facility would be particularly appreciated

Salary and contract type

Depending on educational level and professional experience, following the salary guidelines of the university.

This is a full time job starting from 1 April 2015. The position will be initially appointed for one year but will be renewable.

Contact

Candidates should send their application (CV, letter of motivation, letter(s) of recommendation and/or referents contacts) to Magali Mondin : magali.mondin@unice.fr