

## THE ISTCT RESEARCH UNIT (FRANCE) IS WILLING TO WELCOME MID- TO SENIOR-LEVEL (ASSOCIATE OR FULL PROFESSOR) RADIOCHEMISTS TO APPLY FOR A TENURED/TENURE-TRACK FACULTY POSITION IN RADIOPHARMACEUTICAL CHEMISTRY AND TRACER DEVELOPMENT

The ISTCT unit « Imaging and therapeutical strategies in cerebral and tumoral pathologies » (Dir. Myriam Bernaudin) affiliated to the CNRS, the CEA and the University of Caen Normandy (UNICAEN) is hosted at the Biomedical Imaging Center CYCERON in Caen. ISTCT is interested in the understanding of physiopathological mechanisms in oncology and neurology, and aims at developing innovative therapeutic strategies and biomedical imaging approaches, in particular by the development and the validation of new radiopharmaceuticals. ISTCT conducts fundamental, preclinical and clinical researches, and associates multidisciplinary works in chemistry, radiochemistry and biology. This unit includes about fifty people associating clinicians, researchers/assistant-professors, technicians/engineers and students of various horizons (chemistry, radiochemistry, biology, medicine, pharmacy, physiopathology, biomedical imaging), favouring the development of translational projects.

Within this unit, the LDM-TEP team "Laboratory of Methodological Development in Tomography by Emission of Positrons" (Resp. C. Perrio) develop radiopharmaceuticals intended in the preclinical and clinical research for the Positrons Emission Tomography (PET). This team combines methodological and applied researches in radiochemistry, radiopharmaceutical development, and *in vitro* evaluation by techniques of autoradiography and *in vivo* by PET imaging (metabolism, pharmacokinetics, affinity, specificity...) in pathological animal models. The LDM-TEP also assures, in accordance with the regulations, the preparation of the radiopharmaceuticals for clinical trials.

ISTCT is willing to welcome a scientist with expertise in radiochemistry/radiopharmaceuticals to complement and enhance the current research strengths of the LDM-TEP team in imaging and theranostic areas. He/She will be expected to develop a novel research program that includes strong local and external collaborations in the perspective of a professor position at the University of Caen. He/She will benefit from the numerous scientific networks in chemistry and radiochemistry (INC3M Federation, Tremplin Carnot I2C, Labex IRON...) within which the LDM-TEP team participates as well as proximate clinical environment (the hospital CHU, the regional cancer center François Baclesse and the hadrontherapy centre CYCLHAD).

The ISTCT unit possesses onsite available resources including its own resources (automated radiosynthesizers, shielded cells, HPLC, GC, LC/MS...) as well as access to that of the CYCERON Biomedical Imaging Platform including: cyclotron, chemistry and radiochemistry laboratories, radiopharmacy, clean room, laboratory of quality control, preclinical and clinical PET-CT and MRI imaging systems and in the short term period (June 2019), an additional pre-clinical PET-MR.

In addition to the existing means (technical and staff resources), the scientist will benefit of a strong university support (master and PhD students, post-docs, equipment...) to set up in an optimal way his/her projects within the unit.

For information, please contact:

- Cécile PERRIO, LDM-TEP leader, [perrio@cyceron.fr](mailto:perrio@cyceron.fr); Tel: 00 33 (0)2 31 47 02 81
- Myriam BERNAUDIN, ISTCT director, [bernaudin@cyceron.fr](mailto:bernaudin@cyceron.fr); Tel: 00 33 (0)2 31 47 01 03

<http://www.istct.cyceron.fr>

<http://www.cyceron.fr>