

Institut Jules Bordet Fellowship Program

Open Fellowship position for a Nuclear Medicine Physician

The **Institut Jules Bordet** (www.bordet.be), a university teaching hospital of the Université Libre de Bruxelles (U.L.B), is a **comprehensive cancer center** in Belgium, located in the heart of Brussels. Its services range from cancer screening to multidisciplinary cancer treatment and state-of-the-art clinical and laboratory research, for which the Institute is renowned on both the national and international levels.

The aim of the Nuclear Medicine dept is to bring the field of radiotheranostics to the **forefront of modern oncology** and make it available to cancer patients employing the highest standards of **quality & care**. We intend to develop **innovative** applications of radiotheranostics, translate them into the clinic and increase access to existing products for cancer patients.

During the last decade IJB performed significant R&D using the “radiotheranostic approach”:

- $^{68}\text{Ga}/^{177}\text{Lu}$ -octreotate for neuroendocrine tumors
- $^{99\text{m}}\text{Tc}$ -MAA/ ^{90}Y -microspheres for radioembolization of liver tumors
- $^{89}\text{Zr}/^{90}\text{Y}$ -rituximab for CD-20 positive lymphomas
- $^{99\text{m}}\text{Tc}$ -MDP/ ^{223}Ra (alpha emitter) for therapy of bone metastasis
- $^{68}\text{Ga}/^{177}\text{Lu}$ -PSMA (under development) for therapy of prostate cancer

The Nuclear Medicine dpt. is equipped with 2 SPECT/CT, 1 PET/CT and three dedicated hospitalization rooms for patient isolation during radionuclide therapies. In 2018, 3000 SPECT/CT and 6000 PET/CT scans have been performed, together with 240 radionuclide therapies.

This fellowship will be particularly focusing on the **theranostic applications in uro-oncology** using PSMA targeting radiotracers for diagnosis (Ga68/ F18-labeled) and therapy (Lu177-labeled). He will work in a multidisciplinary environment of nuclear medicine, oncology, urology, radiopharmacy and medical physics.

A fellowship at the IJB research provides a unique experience for a nuclear medicine physician to become familiar with all aspects of the development and conduct of cancer clinical trials.

Fellowship activities include:

- Writing, discussing, and developing new study protocols on PSMA-imaging in urological cancer (phase I to III studies);
- Writing review and research articles, book chapters, and abstracts under the guidance of a senior oncologist and nuclear medicine physician with expertise in uro-oncology;
- Writing grant applications whenever required;
- Attending and presenting journal clubs;
- Interacting with other departments within the institution for related research activities;
- Attending oncology conferences, meetings and workshops;
- Participating to the relevant tumour board meetings.

To be eligible, candidates must:

- Hold a degree in medicine and have recently completed, or are soon to complete, their specialization in Nuclear Medicine;
- Be no older than 35 years;
- Preferably have some clinical research and publication background;
- Be fluent in English (French and/or Dutch are an asset);

- Possessexcellent communication skills and team spirit;
- Be able to work within established deadlines;
- Be able to work on different activities (multi-task);
- Possesscomputer skills (Microsoft office);

Please send us your curriculum vitae, recommendation letter and a motivation letter.

Application process: Please send the required documents by e-mail to Prof. Dr. Patrick FLAMEN, head of the department (patrick.flamen@bordet.be)

Application closing date: end of August 2019

Number of vacancies: 1

Start date: December: September-October 2019

Duration of fellowship: 1 to a maximum of 3 years (renewed on a yearly basis based on performance)

Note: All documents must be submitted in English. Incomplete submissions will not be considered.