



The Institut de Duve, at the University of Louvain (UCL), Belgium
Within the frame of the EOS programme DECODE

“Refining Cancer Cell Death and Danger Signals for the Improvement of Immunotherapy”

Seeks a highly motivated Post-Doctoral Bioinformatician

Position is available starting September 2018

Research Topic Description:

We are seeking a suitable candidate within the context of the ‘**DECODE**’ Consortium, funded through the **Excellence of Science (EOS) programme of the Belgian FWO/FNRS** (for more details, see: <http://www.eosprogramme.be> and <http://www.fwo.be/en/fellowships-funding/research-projects/eos-research-project/>).

Our “**DECODE Consortium**” brings together research groups from *University of Leuven (KU Leuven)*, *Ghent University (UGent)*, *University of Louvain (UCL)* and *The Netherlands Cancer Institute (NKI)*. DECODE’s research aims are located at the interface of the immunobiology of cell death processes and cancer immunotherapy. DECODE ambitiously aims to go significantly beyond the current state-of-the-art, by pursuing an innovative and interdisciplinary research theme, integrating methodology from various fields of cancer cell biology, immunology & immunotherapy and wishes to integrate distinct omics-based approaches to translational immunotherapy and biomarker discovery.

The current bioinformatician position is available for a highly motivated post-doctoral researcher within the research group of **Prof. Benoit J Van den Eynde (UCL)**. The ideal candidate would be one with hybrid-expertise in being able to integrate bioinformatics/computational biology, systems biology/biostatistics, and data from different omics-approaches in the context of the biological questions. We expect this post-doctoral researcher to be an integral player within our consortium, and have key coordination tasks.

The post-doctoral researcher will be based at UCL (Brussels), yet he/she will be expected to coordinate analysis tasks with labs from the partners’ Universities (i.e. Leuven and Ghent), which will also include periodic visitations to these labs. In this capacity, the candidate will be expected to

communicate and work with the different Omics cores located at our partner's Universities for data exchange and management.

Profile:

- You hold a Ph.D. degree in bioinformatics/systems biology/computational biology or equivalent related fields, preferably with a focus on conceiving new ways of integrating & representing omics data.
- You have demonstrated following skills: Analyzing and deciphering transcriptomic/proteomic data, deriving systems biology-driven networks from omics data, proficiency with computational programming (R language/Python/Matlab or others), and skills in application of statistical approaches to biological problems (e.g. statistical testing, linear modeling).
- You have solid knowledge of: Omics data handling and representation, biostatistics, systems biology and computational modeling of biological datasets.
- Practical knowledge and skills in analyzing metabolomics/lipidomics data, experience with SQL, database construction/management and/or analysis of publically available cancer patient datasets (e.g. TCGA), would be a plus.
- You are a team player with excellent oral and written (English) communication skills.

We offer:

- At least a 4 years contract at the Université Catholique de Louvain.
- Access to state-of-the-art infrastructures and omics cores at different universities.
- A stimulating, international research environment in a world-class academic laboratory and the opportunity to interact with several highly collaborative, world-class investigators part of this consortium.

How to apply?

Please send your full CV (with all the relevant academic scores and at least 2 referees with full-contact details), including a list of your published papers/major accomplishments/research stays abroad to benoit.vandeneynde@uclouvain.be