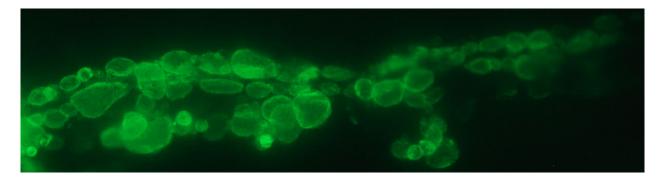
## Fully Funded PhD Position in 'Single-cell Endocrinology' Group



The group of **Dr. Sumeet Pal Singh** at the Institut de Recherche Interdisciplinaire en Biologie Humaine et moléculaire (IRIBHM), an Institute of the Université libre de Bruxelles (ULB), is offering a PhD position starting 01 October, 2019.

The major aim of the group's research is to understand the development of cellular communities using endocrine organs, specifically thyroid gland and pancreatic beta-cells, as a model system. The research is focussed on using <u>zebrafish</u> as a model system. The junior group uses a broad range of molecular, genetic, next-generation transcriptomic and imaging techniques to investigate regenerative processes (<a href="https://sumeetpalsingh.github.io/">https://sumeetpalsingh.github.io/</a>).

The PhD student will be involved in live-imaging intercellular signalling pathways in the thyroid gland (<a href="https://sumeetpalsingh.github.io/project/live-imaging">https://sumeetpalsingh.github.io/project/live-imaging</a>), and for developing tools modulating cAMP signalling in thyroid follicular cells. The tool development would additional lead to new models of hypo- and hyperthyroid disease models.

The PhD student is expected to:

- 1. Read literature and keep up-to-date with the current knowledge in the field.
- 2. Gain independence in planning, conduction and analysis of experiments.
- 3. Generate publication quality figures for presentations, manuscripts and grant applications.
- 4. Draft manuscripts for publication.
- 5. She/he will be required to attend institute seminars, encouraged to participate in afterhours social events and take part in retreats.
- 6. She/he will be encouraged to undertake skill-development courses (particularly bioinformatics skills) in the university or online (such as Coursera)

## **Requirements:**

- 1. Diplomas and degrees equivalent to a European Union Master's degree, which includes project work summarized in a written "small thesis"
- 2. Three referees willing to provide letter of recommendations
- 3. Excellent knowledge of English
- 4. Excellent interpersonal and organisational skills

Kindly submit your CV with the contact information for three referees and a letter of motivation by email to <a href="mailto:sumeetpalsingh@gmail.com">sumeetpalsingh@gmail.com</a>.