

The [University of Luxembourg](https://www.uni.lu) has the following vacancy in the Cancer Cell Biology Group (Prof. Dr. Daniel Abankwa) at the Department for Life Sciences and Medicine, Faculty of Science, Technology and Medicine:

Postdoctoral fellow position in the field of RAS cancer cell biology (M/F)

- 3 years fixed-term contract, full-time (40h/week)
- Starting on June 1st 2020 or closest to it
- *Application deadline: March 22nd 2020*

The postdoctoral fellow will work in the Cancer Cell Biology group under the supervision of Prof. Daniel Abankwa. The Cancer Cell Biology group focuses on understanding how the notorious oncogene RAS drives cancer cell stemness and how to drug target it ([eRASeCancer.wordpress.com](https://erasecancer.wordpress.com)). This project will be carried out in tight collaboration with [Prof. Christian Eggeling](#) (Jena/ Oxford), a world leader in superresolution microscopy methods.

The particular aim of this project is to understand, how on the fundamental cell biological level oncogenic RAS proteins drive cancer cell stemness. We aim at identifying non-canonical activities in particular of KRAS that spatio-temporally organize the cell division machinery. This work will help to understand the puzzling question, why in particular KRAS is highly mutated.

We will employ a broad spectrum of techniques, with a focus on quantitative fluorescence methods (confocal imaging, FRET, FRAP, STED, FCS), molecular cell biology and chemo-genetics approaches.

Activities

- Conduct self-driven experimental research towards the project aims.
- Opportunity to contribute to teaching.
- Opportunity to establish independence with competitive funding.

Profile

- PhD degree in cell biology with a strong background in biophysics, biochemistry or biological chemistry.
- Must have strong experience with confocal microscopy and image data analysis.
- Good organizational skills, attention to detail, persistence.
- Excellent command of English.

Offer

- Strong scientific training and mentoring.
- Learn cutting-edge imaging techniques in the collaborating lab of Prof. Christian Eggeling.
- International, vibrant research environment on the brand new Belval campus.

Candidates should submit the following documents in pdf format:

1. Motivation letter (1 short paragraph, see below)
2. Curriculum Vitae (max. 2 pages, highlighting any outstanding achievements)
3. List of publications and manuscripts in preparation (if applicable)
4. Copy of PhD degree certificate

The motivation letter needs to contain short statements on: 1) Explanation of your overall self-assessment of academic achievements, e.g. top 10-20% in the country; 2) Expression of your theoretical strengths in chemistry, cell biology and molecular biology; 3) List of best experimental skills acquired in degree projects. The University of Luxembourg is an equal opportunity employer.

Please send your application as one merged PDF (daniel.abankwa@uni.lu), respectively via the online submission link by 22/03/2020. For further information, please contact Prof. Daniel Abankwa (daniel.abankwa@uni.lu).