

# Multidisciplinary PhD position for an engineer/physicist on the characterization and modeling of cellular migration

The Laboratory of Tumor and Development Biology at the University of Liège, Belgium (Prof. Agnès Noël, [Giga-Cancer](#)) has an opening for a quantitatively-minded PhD candidate to work on the characterization of cellular patterns and on the modeling of cell migration. The laboratory focuses on the fundamental and therapeutic research about the manifold cellular processes involved in cancer development.

This PhD project entails the development of 2D and 3D microscopy protocols as well as of specific image and data analysis for characterizing cellular patterns observed in biological *in vivo* and *in vitro* models. The modeling of the physicochemical aspects of the underlying phenomena will also be considered.

The ideal candidate will have a Master in Physics or Engineering, with a taste for creative scientific programming. The candidate will be supervised by senior scientific staff with a background in physics and engineering (Dr. Silvia Blacher and Dr. Cedric Gommès), but she/he should also have the drive and social skills required to interact daily with experimental biologists in the lab.

Although this is a four-year position, the successful completion of a PhD could lead to longer-term career prospects in a world-renowned research group.

The position starts in October 1<sup>st</sup> 2016. Interested candidates should send their résumé and application letter to Prof. Agnès Noël ([agnes.noel@ulg.ac.be](mailto:agnes.noel@ulg.ac.be)) no later than August 15<sup>th</sup>.