



PhD in Liquid biopsies and cell-free RNA

[Flomics](#) is an innovative company founded in 2018 with the objective to translate the usage of cell-free RNAs analysis for the clinical practice. We're developing a complete framework for the profiling of cell-free RNAs from plasma, serum or saliva samples and its usage to extract clinically relevant information for diagnosis, prognosis or treatment decision.

Cancer survival exponentially increases when detected in an early phase. Unfortunately, current screening methods are inaccurate, invasive or impractical for the patient, achieving suboptimal results. Flomics' test combines optimized plasma RNA profiling with state-of-the-art machine learning data analysis to detect warning signs in an accurate, fast and non-invasive way, everything out of a simple blood sample. This will bring a much needed revolution to cancer diagnosis allowing more patients to receive optimal surgical treatment, saving lives and also money from the healthcare system.

We're looking for a talented and motivated PhD student with experience in molecular biology and NGS. The goal of this project is to establish a novel screening tool for the diagnosis of different complex diseases, based on a signature of cell-free RNA biomarkers that is accurate, cheap, rapid and non-invasive, appropriate for mass screening programs for a population at risk. The project will combine advanced molecular biology techniques with next generation data analysis. It will also have an emphasis in the valorization of the intellectual property and in the exploration of the market need.

The position is subject to "Doctorats industrials" fellowship approval:

<http://doctoratsindustrials.gencat.cat>

You should have:

- Commitment to begin a scientific career and to pursue a PhD
- Master degree in biology, biotechnology or Life sciences related field (>6.5/10)
- Experience with Next Generation Sequencing
- Knowledge or motivation to learn bioinformatics
- Excellent interpersonal skills, initiative and ability to work independently and in a high-performance team
- Professional working proficiency in English

What we offer:

- 3 years full-time position in our laboratory at the PRBB, Barcelona
- Salary according to the fellowship program (22.000€/year)
- A challenging and motivating environment with high growth possibilities and continuous learning

Required information and contact:

If you are interested, you can reach us at info@flomics.com or apply directly at the Doctorats Industrials program website <http://doctoratsindustrials.gencat.cat>

DEADLINE: October 8th, 2019