



## Research associate position at **Center for Research on Cancer in Lyon (CRCL)**

An open call for a **research associate** position in the team of Dr. G. Ichim at the Center for Research on Cancer of Lyon (CRCL, <http://www.crcl.fr>) located in Lyon, France for the study of **mitochondrial regulation of cell death and non-lethal caspase activation with a wide-range of implication in cancer cell invasiveness, resistance to therapy or cancer stem cells.**

### Research context

Apoptosis (a form of programmed cell death) is the driving force behind the morphogenesis of all organisms, with millions of cells dying each second. This impacts on the normal function of our immune system or brain development. It acts also as a strong tumour suppressive mechanism since it prevents cancer initiation and progression. Mitochondria are organelles that orchestrate apoptosis through an event called mitochondrial outer-membrane permeabilisation (or MOMP) that is responsible for caspase activation and eventually rapid cell death.

My lab is driven by fundamental questions about mitochondria and caspase function in both physiological and cancer context (*Roumane et al., 2018, BMC Cell Biology, Ichim and Tait, 2016, Nat Rev Cancer; Ichim et al., 2015, Mol Cell*). Using state-of-the-art microscopy and cell sorting, the postdoctoral researcher will plunge into several interconnected projects:

- Investigate the involvement of mitochondria and cell death machinery in metastasis;
- Define the role of mitochondrial dynamics in regulating MOMP and non-lethal caspase activation;
- Setting up genetic reporters allowing visualization and tracking of cells surviving apoptosis.

More information about the institute can be found online (<http://www.crcl.fr>).

### Candidate profile

I am looking for highly motivated, enthusiastic and interactive candidates (PhD degree or equivalent) with experience in cell biology, biochemistry and eventually *in vivo* mouse work. Candidates with experience in advanced microscopy and/or mitochondrial biology are particularly encouraged to apply. Good communication skills in English are important and knowledge of French is not required. The candidate should also be able to work independently and as part of a team, while having a strong problem-solving attitude. Applying for external funding (EMBO, Marie Curie, ARC, etc.) will be highly recommended. Salary support is commensurate with experience.

### Conditions of the postdoctoral contract

ANR-funded contract (French research agency), renewable once a year for up to 2 years and a half. Starting date: March 2019

### Application process

Please submit your CV, letter of intent, the names of 2-3 references and a list of publications to [gabriel.ichim@lyon.unicancer.fr](mailto:gabriel.ichim@lyon.unicancer.fr) (*indicate POSTDOC 2019 in the mail title*).