



**Gabriel Ichim, PhD, INSERM**

"Cancer Cell Death team"

Cancer Research Center of Lyon (CRCL)

UMR Inserm 1052 - CNRS 5286 - UCBL - CLB

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## Post-doctoral researcher position at the CRCL in cancer cell death biology

A **post-doctoral researcher** position is now available in the team of Dr. G. Ichim at the CRCL (<http://www.crcl.fr/704-Cancer-Cell-Death-en-GB.crcl.aspx?language=en-GB>) located in Lyon, France. The main focus of the team is studying **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 (*Berthenet et al., 2019, BioRxiv, doi.org/10.1101/755744, 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 intra-vital imaging the postdoctoral researcher will tackle two projects:

- **Define the role of mitochondrial dynamics in breast cancer cells migration and invasion;**
- **Setting up genetic reporters allowing visualization of apoptosis *in vivo*.**

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

### Candidate profile

We are 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 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

Institutional-funded position renewable once a year, for **up to 3 years**. Starting date: **mid 2020**.

### Application process

Please submit your CV, motivation letter, 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 2020** in the mail title).