

Post-Graduate Research Associate with expertise in DNA/RNA biology – One Position

✚ Summary:

Opened position in the French “Laboratoire d’Excellence” LipSTIC (Lipoprotéines et Santé: prévention et traitement des maladies inflammatoires et du cancer, also see <http://www.labex-lipstic.fr>). He/she will carry out translational research activity within the "HSP-pathies" (Dr C Garrido, DRE) team of the INSERM 1231 and the Cancer Center Georges-François Leclerc (CGFL), Dijon.

The postdoctoral researcher will study the role of tumor-derived exosomes as therapeutic targets in cancer. He / she will analyze the micro-RNAs in the tumor-derived exosomes that may be involved in the onset of metastases. The candidate will be involved in preclinical studies *in-vivo* (i.e. animal models) and with human samples. The candidate must have experience in DNA/RNA analysis. He should be able to work independently, have good communication skills and an enthusiastic personality. Our research center offers a stimulating intellectual and collaborative environment and state-of-the-art facilities.

✚ Mission

The postdoctoral researcher will be recruited from the University of Burgundy as part of the Laboratory of Excellence (LabEx) LipSTIC (Lipoproteins and Health: prevention and treatment of inflammatory diseases and cancer). This project focuses on studying the content of exosomes derived from cancer cells to discover new therapeutic targets. This work will mainly focus on studying the mirRNA content of tumor exosomes and demonstrate their involvement in the formation of metastases.

✚ Activities

- ✓ Sequencing and nucleic acids amplification (Next Generation Sequencing, RNAseq, PCR, qPCR) and data analysis.
- ✓ *In vitro* culture techniques, mammalian cell culture, shRNA, siRNA.
- ✓ Troubleshooting and optimization of new experimental protocols.
- ✓ Coordinate the methodological implementation of the scientific project.
- ✓ Preparation of research publications, presentations, grant applications and similar material.
- ✓ Writing regular reports and communicating efficiently with the line managers.
- ✓ Writing of the final report of the end of the activity.
- ✓ Oral communications.

✚ Main skills

- Expertise in RNA / miRNA / DNA profiling (Next Generation Sequencing, PCR, Q-PCR, ...) and data analysis.
- A previous experience in the oncology field would be desirable.
- Good analytical and synthesis skills.
- Enthusiasm for research and willingness to collaborate and work as part of a team.
- Good organizational skills
- Versatility and aptitude for interdisciplinary research.
- Autonomy and proactivity.

✚ **Language skills:** English: Good level of comprehension and written and oral expression

✚ **Level:** a PhD in a relevant subject

✚ **Contract duration:** 12-month fixed-term contract (with possibility of extension)

Monthly Gross Salary: from 2300 €

✚ **Contacts:** All applications, consisting of a cover letter and a Curriculum Vitae, and all informal enquiries must be sent electronically (see contact details below) before November 20th, 2018. Latest starting date: December 2018.

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