

Antisense Oligonucleotides & CRISPR in France (Brittany, Rennes)

Post-Doctoral Fellowship

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Offer description

The newly established Gilot lab hosted by the Cancer Center INSERM U1242 - University of Rennes 1 (Rennes, France) is seeking a postdoctoral fellow. The Ther-ASO project aims to study the bottleneck of a promising therapeutic approach by identifying ASO-protein partners which could significantly increase ASO potency. In this context, we propose to determine and subsequently validate the proteins promoting and inhibiting the ASO uptake and trafficking to their RNA-targets using a novel and validated functional genetic screen (CRISPR activation). The Research Center aims first at understanding molecular mechanisms underlying carcinogenesis and second, at generating tailored treatments to disturb specific signaling pathways involved in oncogenesis by bringing together chemists, biologists and clinicians within the "Centre de Lutte Contre le Cancer" Eugène Marquis. One strength of the research center relies on its international staff.

Researcher profiles

- ☐ First-Stage Researcher (*PhD candidate*)
- ☒ Young Researcher (*with less than 4 years research experience after PhD*)
- ☐ Established Researcher (*with more than 4 years research experience*)
- ☐ Senior Researcher

Research Fields (2 max.)

- | | |
|---|--|
| <input checked="" type="checkbox"/> Biological Sciences | <input checked="" type="checkbox"/> Medical Sciences |
| <input type="checkbox"/> Chemistry | <input type="checkbox"/> Neurosciences |
| <input type="checkbox"/> Computer Science | <input type="checkbox"/> Pharmacological Sciences |
| <input type="checkbox"/> Engineering | <input type="checkbox"/> Physics |
| <input type="checkbox"/> Environmental Science | <input type="checkbox"/> Technology |
| <input type="checkbox"/> Ethics in Health Sciences | <input type="checkbox"/> Other (specify): |

Main Activities

As Postdoc in our lab, your position is primarily research-based assignments. You will contribute to the development of the Research Center through research of high international quality. In your daily work, you will work closely with colleagues on your project, where you will receive supervision and guidance. For the CRISPR screening, she/he will work with two other team members (Postdoc & engineer). Regular mentoring and career development programs will ensure transition to independent research careers in academia or industry.

Specific Requirements or Constraints

The successful candidate must have a Ph.D in the biological sciences. As a person, you are self-motivated, take ownership and possess good communication and interpersonal skills. Candidates must have at least one publication in a peer-reviewed journal (or BioRxiv).

Skills/Qualifications

Position open for French, for people from European Community and people outside Europe

Required Experience

- X 0 to 2 years ☐ 2 to 4 years ☐ 4 to 10 years ☐ >10 years
- Candidates must have experience in cell biology and cell culture. Experience in CRISPR is also preferred.**

Required Education Level or Diploma

- Ph.D.

**Required
Languages**

- English

Hosting Unit

Code	UMR INSERM U1242
Name	COSS
Director	Eric Chevet
Composition	http://oss-clcc-rennes.com/index.html
Address	Centre Eugène Marquis Avenue de la Bataille Flandres-Dunkerque, 35000 Rennes 35000 Rennes, FRANCE
Website	http://oss-clcc-rennes.com/index.html

Contract

Type	The post-doctoral fellow will be employed by INSERM
Duration	Initial contract of 24 months
Salary	2200 to 2500 € per month, depending on previous experience.
Envisaged Start Date	ASAP - 2022

Application

Applicants must send a CV and a cover letter to:

David Gilot, david.gilot@univ-rennes1.fr

Deadline for application:

June 2022