

lncRNA & Cancer in France (Brittany, Rennes)

Post-Doctoral Fellowship

CSS 2

Offer description In the context of the state regional strategy in Brittany (SAD), our teams benefit from a post-doctoral fellowship to develop and finalize an original discovery that we made in the context of human B cell differentiation into plasma cells. After large genomic screening and functional ad hoc experiments, we identified a pro-oncogenic lncRNA with a high potential of interest for the treatment of Multiple Myeloma and Plasmablastic lymphoproliferative diseases. A patent has been deposited at INSERM Transfert, a private subsidiary of Inserm public research agency, that will accompany our development.

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

- 1)** To finalize the characterization of molecular effects of this lncRNA using state-of-art genomic tools on human cell lines, primary normal B cells, myeloma primary cells, and
- 2)** To study therapeutic effects of an antisense oligonucleotide that can silence the activity of the specific pro-oncogenic lncRNA.

Associated Activities

This project is part of a collaboration and a gathering and sharing of skills between several partners who share a common sense of purpose. Partners: Thierry Fest (UMR INSERM 1236, Rennes); Gilles Salbert (UMR CNRS 6290, IGDR, Rennes); Jérôme Moreaux (CNRS UMR 9002-CNRS-UM - Institute of Human Genetics & CHU de Montpellier); and David Gilot (UMR CNRS 6290, IGDR, Rennes). Direct supervision of the project will be done by David Gilot and Thierry Fest and the work done in both labs, localized in the same campus, that have complementary tools and skills: pharmaceutical skills and lncRNA expertise for the first one, and primary B-cell biology plus functional analyses for the second. English is the commonly used language in the lab.

Specific Requirements or Constraints

The post-doctoral candidate will have excellent knowledge on cell and molecular biology, have experience in RNA biology, and good knowledge in gene regulation analysis. Would be appreciate knowledge in bioinformatic and B cell immunology.

Skills/Qualifications

To have stayed less than 18 months in France in the last 3 years. Position open for French, for people from European Community and people outside Europe

Required Experience

0 to 2 years 2 to 4 years 4 to 10 years >10 years

Fields: Cancer or RNA biology

Required Education Level or Diploma	<ul style="list-style-type: none"> • Ph.D.
Required Languages	<ul style="list-style-type: none"> • English
Hosting Unit	
Code	UMR INSERM U1236
Name	MICMAC - Microenvironment, Cell differentiation, iMmunology And Cancer
Director	Pr Karin Tarte
Composition	https://micmac.univ-rennes1.fr
Address	Faculté de médecine - Bâtiment 2 - Etage 1 2 avenue du professeur Léon Bernard - CS 34317 35043 Rennes, FRANCE
Website	https://micmac.univ-rennes1.fr/differentiation-lymphocytaire-b-normale-et-tumorale-0
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	January 2nd/2020

Application

Applicants must send a CV and a cover letter to:

Thierry Fest thierry.fest@univ-rennes1.fr,
David Gilot, david.gilot@univ-rennes1.fr

Contact for further information:

<https://micmac.univ-rennes1.fr/differentiation-lymphocytaire-b-normale-et-tumorale-0>
<https://www.igh.cnrs.fr/fr/>
<https://iqdr.univ-rennes1.fr/en>

Deadline for application:

December 2019