



JOB OFFER

Two Postdoctoral Fellow Positions opened in Functional Genomics of Rare Kidney Cancers

Join Malouf Team at the Institute of Genetics and Molecular and Cellular Biology (Illkirch, France) in an exciting opportunity to unravel molecular underpinnings of rare kidney cancers arising in children, adolescents and young adults through cutting-edge functional genomics research. We are seeking highly skilled and motivated Postdoctoral Fellows with expertise in molecular biology to contribute to our international multidisciplinary team of molecular biologists, physician-scientists and bioinformaticians.

About Malouf Team:

The Malouf Team is dedicated to deciphering the genetic and epigenetic foundations of renal cell carcinomas, focusing on functional genetics and epigenetics analyses and single-cell analysis. Our recent projects involve the genome-wide characterization of alterations affecting SWI/SNF complex, MiTF family transcription factors and several novel oncogenes or tumor suppressor genes related to various renal cell carcinoma subtypes. We are committed to identifying novel pathways associated with genome-wide epigenetic reprogramming in this context, leveraging mechanistic insights from in vitro and in vivo models and human primary tumor samples collected through national and international collaborations. The ultimate goal is to allow discoveries that can translate to improve treatments of patients with rare kidney cancers.

Institute of Genetics and Molecular and Cellular Biology (IGBMC):

The project will be conducted at the IGBMC, the largest research unit in France, comprising Inserm, CNRS, and the University of Strasbourg. Our institute focuses on functional genomics and offers advanced scientific services and technological platforms. We foster interdisciplinary research at the interface of biology, biochemistry, physics, and medicine, providing high-level education in biomedical sciences. Situated in the vibrant scientific environment of the “Parc d’Innovation d’Illkirch,” our campus encourages collaborations and technology transfer.

Position Details:

Start Date: April 2024

Duration: 3 years

Research Focus: In vivo and in vitro approaches, biochemical, imaging, and molecular biology techniques

Responsibilities:

- Conduct molecular biological and biochemical assays in vitro, in cell culture systems, and in vivo models
- Perform chemical-epigenetic screens
- Collaborate with bioinformaticians to analyze genome-wide analysis data, including single-cell, multiome, transcriptomic and epigenetic profiles

We Offer:

- Join a young and highly motivated international team
- Work in a collaborative, multidisciplinary environment with basic scientists, physician-scientists, and bioinformaticians
- Access state-of-the-art technologies and well-equipped modern technological platforms
- Engage in multifaceted and varied work, from experiments to applied bioinformatics
- Conduct basic science with clinical relevance

Essential requirements:

- A Ph.D. in a field related to biology, chemistry, or bioinformatics
- Strong background in molecular biology, transcription factor regulation, and epigenetics
- Previous work experience in molecular biology and biochemical analysis
- Curriculum vitae with a publication list, a short summary of research achievements, and mastered techniques in English
- Fluency in English (written and spoken)

Preferential requirements:

- Experience in genome editing is a plus
- Experience in animal models is considered a strong asset but not required
- Ability to communicate the acquired results by writing manuscripts and giving presentations

Required personal skills:

- Proactivity
- Independence
- Ability to work in a multidisciplinary team

How to Apply:

Candidates should send their application documents (in English) to Pr. Gabriel Malouf (maloufg@igbmc.fr) as a single PDF including:

- A curriculum vitae with a publication list

- A short summary of research achievements, and mastered techniques in English.
- A motivation letter covering your education/scientific experiences and how they have prepared/motivated you to work on functional genomics of rare kidney cancers (max 1 page)
- A description of how techniques used by the laboratory could have benefitted your PhD project or of a project in which you would like to employ such a label in the future (max 1 page). For this refer to the recent publications of the team (Vokshi et al. Nature Communications, 2023; Su et al. Nature Communications, 2023; Davidson et al. Cancer Research, 2023; Lu et al. Cell Reports Medicine, 2023)
- The names and contacts of 2 referees with supporting letters/contact details
- The application deadline is March 1th 2024. The positions will be opened until filled. We are reviewing the applications as soon as they are received; candidates are strongly encouraged to apply as soon as their application fulfill the criteria above.

Join us in advancing the understanding of kidney cancers and contributing to groundbreaking discoveries in functional genomics!