

**Postdoctoral position in Immuno-Metabolism in Diabetes
Paris, Cordeliers Research Centre**

<http://www.crc.jussieu.fr>

http://www.crc.jussieu.fr/nicolas_venteclef2019.html

<https://www.immediab.com/genetics-epigenetics/>

We are seeking a highly motivated and proactive Postdoctoral Researcher to join the research group “Immunity and Metabolism in Diabetes” of Dr. Nicolas Venteclef at the Cordeliers Research Center in Paris, France (<http://www.crc.jussieu.fr>). This is a fully funded postdoctoral position for 2 years in the first instance, starting ASAP.

Proposed project:

Type 2 diabetes (T2D) develops due to insulin resistance and impaired insulin secretion, predominantly exposed to non-genetic risk factors like obesity, physical inactivity and ageing (qualified as environment factors). These environmental factors are sensed by our genome through epigenetic modifications influencing gene transcription and organ dysfunction. Emerging data suggest that epigenetic alterations in the adipose tissue of T2D subjects (compared with non-diabetic controls) substantially contribute to the susceptibility to T2D (Ronn and Ling, 2015). Therefore, the identification of epigenomic modifiers that are involved in the control of adipose tissue function and energy metabolism and also impact on T2D pathogenesis is of importance. This postdoctoral project will aim at exploring the *in vivo* function of specific epigenomic modifiers acting in macrophage in the context of obesity and type-2 diabetes. The study will combine immuno-phenotyping techniques, metabolic assays (*in vivo* and *ex vivo*), cellular biology and transcriptomic approaches. A transitional study with human blood samples will also be performed. The candidate will work with the help of a technician and may also provide guidance to less experienced members including master and PhD students.

Candidate profile:

Applicants should hold a relevant PhD degree, together with a strong background and expertise in immunology or metabolism, standard techniques of immunology (FACS) and mouse experimentation. Excellent communication skills are essential, including the ability to present research results and represent the research group at international scientific meetings.

Salary: 2200-2500 euros (net), depending on previous experience

Application process:

Interested applicants should send a cover letter describing your past research experience, a curriculum vitae, and the contact information of references to Dr. Nicolas Venteclef (nicolas.venteclef@inserm.fr) with the subject line “Postdoc Application”.

Deadline application: 1st December 2019