

**Postdoctoral position in Epigenomic of Immuno-Metabolism in Diabetes
Paris, Institut Necker des Enfants Malades (INEM)**

<https://www.institut-necker-enfants-malades.fr/index.php>

<https://www.immediab.com>

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 INEM in Paris, France (<https://www.institut-necker-enfants-malades.fr/index.php>). This is a fully funded postdoctoral position for 18 months 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 (including our own studies) suggest that epigenetic alterations in the adipose tissue of T2D subjects (compared with non-diabetic controls) substantially contribute to the susceptibility to T2D. 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/epigenomic approaches. 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 epigenomic 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.

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 February 2022