

POST-DOCTORAL POSITION AVAILABLE

Interaction between nutrients and macrophage's pro-inflammatory response

The ERC research team "Nutrients, metabolism and transcriptional response" is looking for a postdoctoral fellow to lead a research project connecting metabolic response and inflammation using different mouse models of obesity and type 2 diabetes in combination with macrophage cell-specific deletion of a glucose-regulated transcription factor named ChREBP (Carbohydrate Responsive Element Binding Protein).

The global vision of this project is to elucidate the mechanisms that regulate the interaction between nutrients, macrophages and inflammation during the physiopathology of obesity and type 2 diabetes. The main objective of the project will be to decipher the contribution of the glucose-regulated transcription factor ChREBP in the control of the macrophage's pro-inflammatory response and ultimately to determine how macrophage cell-specific targeted ablation of this transcription factor affects the development and / or progression of obesity, inflammation and type 2 diabetes. Therefore, we are looking for a highly motivated PhD scientist with a solid background in macrophage cell biology and inflammatory response combined with strong skills in flow cytometry, cell sorting techniques and *in vitro* handling of macrophage cells. Experience in working with mouse models as well as a general orientation towards metabolism will be advantageous. A track record of publications in peerreviewed journal and a good ability to work in a collaborative, international environment are required.

Host laboratory

This postdoctoral position, funded by an ERC grant, will be based at the Cochin institute in Paris, France. The institute is equipped with state-of-the-art technology platforms and accommodates research teams with a broad range of expertise covering the areas of immunology, metabolism, diabetes and cancer (for more information, please visit the research center's website: <http://www.cochin.inserm.fr/>).

This renewable position is available now for one year and extendable up to 3 years.

All applications should include the following:

1. Cover letter indicating current and future research interests and expected availability date.
2. CV (with contacts of at least two references). List of publications included.
3. Description of past research experience and accomplishments.

Deadline for application: March 31th, 2016

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Team Web Site: <http://www.cochin.inserm.fr/departments/emd/team-dentin>



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