CENTER FOR METABOLIC AND DEGENERATIVE DISEASES

POST-DOCTORAL POSITION

A postdoctoral research position is open for a PhD. with expertise in (1) metabolic characterization of mouse models, and (2) molecular studies of adipose tissue biology and pathology. The project will focus on adipose tissue remodeling during obesity development.

Research focuses:

• Hypoxia stimulated fibrosis and local inflammation in adipose tissue.

• Mechanisms by which angiogenic factors stimulate white adipocytes “browning” during early stage of obesity development (healthy expansion).

• The effects of antiangiogenic action by blocking VEGF-A and/or its receptors in the context of preexisting adipose tissue (unhealthy expansion).

• Reversibility of adipose tissue fibrosis by MT1-MMP (MMP14) and novel anti-fibrotic therapies for the treatment and prevention of obesity and diabetes.

• The mechanisms by which MT1-MMT exerts profound pathophysiological effects in preexisted unhealthy fat tissue.

Qualifications: We welcome applications from highly qualified and motivated early-career scientists of all countries who have received a PhD degree within the last three years or who will receive their PhD degree by the start of the recruitment. Previous experience with animal work will be a big plus.

Please submit personal statement, CV, and three letters of references to:

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Visit our webpage at  - The Center for Metabolic and Degenerative Diseases