

Implications for metabolism research

Myriam Baes

Laboratory of Cell Metabolism, Department of Pharmaceutical Sciences, Leuven, Belgium

Abstract

aP2-Cre mice have amply been used to generate conditional adipose selective inactivation of important signaling molecules. We show that the efficiency of Cre mediated recombination in adipocytes and adipose selectivity is not always guaranteed. In particular, Cre activity was found in ganglia of the peripheral nervous system (PNS), in adrenal medulla and in neurons throughout the central nervous system (CNS). Because these tissues have an important impact on adipose tissue, care should be taken when using aP2-Cre mice to define the role of the targeted genes in adipose tissue function.

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Biography

A doctoral degree either in Biomedical Sciences, Pharmaceutical Sciences, Biology, Biochemistry, Biotechnology or Bio-engineering a strong theoretical background in the properties and metabolism of lipids practical skills in lipid handling, GC-MS and/or LC-MS analysis

Experience with mouse models, cell culture, microscopy and/or chemical synthesis is an advantage Certificates to work with radioactivity and/or animals is a plus work precise, and you have a critical attitude have a keen interest in lipid biochemistry and metabolism having excellent oral and written communication skills in scientific English Offer. A position as a full-time postdoctoral researcher

for 1 year which will be extended by at least 1 year after a positive evaluation.

Guidance by experts in the field of peroxisome biology and lipid metabolism A stimulating research environment with opportunities to interact with local and international experts in the field Multiple initiatives by the doctoral school Biomedical Sciences to support the career path of postdocs Our labs belong to the KU Leuven, a university with a long tradition of excellent research opportunities. The town of Leuven is dominated by the university and situated only 20 minutes away from the city of Brussels.