

# PhD position

## Gene profiling in adipose tissues in relation with obesity and the metabolic syndrome

**Description:** We search a PhD student. A grant for two years is available and can be prolonged for another two years. The research will be performed at the Atherosclerosis and Metabolism Unit in the Department of Cardiovascular Diseases at the Katholieke Universiteit Leuven, Belgium.

**Key words:** gene expression, microRNA, obesity, metabolic syndrome, atherosclerosis

**Programme:** Emerging Concepts in Cardiovascular Medicine

**Start date:** 2009-09-15

**Application date:** 2009-09-12

**Financing:** available

**Research group:** Department of Cardiovascular Diseases, Atherosclerosis and Metabolism Unit

**Remarks:** We investigate the relation between gene profiles in adipose tissues with the development of the metabolic syndrome, type 2 diabetes, and atherosclerosis with special emphasis on mechanisms of oxidative stress and inflammation. The project involves intervention studies with nutraceuticals and pharmaceuticals. Gene profiling requires microarray and quantitative RT-PCR analysis of RNA and regulatory microRNA. Findings in mouse studies are validated in humans and vice versa.

You can find more information about our unit and performances at <http://www.kuleuven.be/amu>

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