

**OPEN POSITIONS AT THE LABORATORY OF AUTOIMMUNITY (LAI)
HEAD: GEORG WICK**

**SECTION FOR EXPERIMENTAL PATHOPHYSIOLOGY AND IMMUNOLOGY, BIOCENTER
MEDICAL UNIVERSITY OF INNSBRUCK**

(1) POSTDOC POSITION

In the LAI a Postdoc position (maternity-leave replacement) is available from January 9, until September 30, 2012, with an option for prolongation.

Requirements:

PhD or MD, with a scientific background in cell and molecular biology/immunology, work with experimental animals (mice), knowledge in autoimmune diseases in general and interest in atherosclerosis in particular.

Project:

EU FR-7 funded project TOLERAGE aimed at developing a vaccine against atherosclerosis in mice via oral tolerization against atherogenic peptides of heat shock protein 60 (HSP60). The project is already well advanced and in its final stages. Success of additional experimental work is therefore probable.

Salary:

According to FWF schedule.

Information:

<http://www.autoimmunity.at>

<http://www.tolerance.eu/>

(2) POSITION FOR A PHD GRADUATE STUDENT

Also, a position for a PhD Graduate Student is available at the LAI for 3 years starting on January 9, 2012.

Project:

The project deals with the elucidation of the cellular and molecular mechanisms underlying the development of oral immunologic tolerance and the application of these findings in the treatment of disease.

Requirements:

A Masters Degree with knowledge in cell and molecular biology/immunology, and interest (not necessarily prior experience) in work with experimental animals and microscopical/confocal techniques in the field of autoimmunity.

Salary:

According to FWF schedule.

Information:

<http://www.autoimmunity.at>

<http://www.tolerance.eu/>

Recent References:

GRUNDTMAN C., KREUTMAYER S.B., ALMANZAR G., WICK M.C., AND WICK G.
Heat Shock Protein 60 and Immune Inflammatory Responses in Atherosclerosis
Arterioscler. Thromb. Vas. Biol. (31) 958-959 (2011)
+Title page & Editorial

GRUNDTMAN C., WICK G.
The Autoimmune Concept of Atherosclerosis
Current Opinion in Lipidology 22:327-334 (2011)

KREUTMAYER S. B., MESSNER B., HENDERSON B., NIEDEREGGER H., BÖCK G., VAN DER ZEE R., BERNHARD D. AND WICK G.
Dynamics of Heat Shock Protein 60 in Endothelial Cells Exposed to Cigarette Smoke Extract.
J Mol Cell Cardiol. Nov; 51(5):577-580 (2011)

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Cigarette smoke extract induces prolonged endoplasmic reticulum stress and autophagic cell death in human umbilical vein endothelial cells
Cardiovasc Res. Oct 1;92(1):141-148 (2011)

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