Ghasem Ahangari, MT, PhD

Associate Professor of Immunogenetics, Head Department of Medical Genetics at the National Institute of Genetic Engineering and Biotechnology (NIGEB), Teheran, Iran

“Analysis of expression changes of dopamine receptors’ genes and their pharmacogenetic effects on apoptosis as new perspective therapy of breast cancer”

Venue: Vienna Competence Centre, Lazarettgasse 19, Vienna IX, seminar room, 1. floor

Time: Wednesday, December 16, 2015, 02.00 pm

Host: Hannes Stockinger
Ghasem Ahangari’s major research interest is the expression of genes upon the environmental interaction of an organism. Environmental factors disturbing the dialog between the neuro- and immune system result in imbalance or complex disorders. He investigates the interaction between the immune and the neuropsychological system in disorders such as asthma, autoimmunity, cancer in individuals who had been exposed to air pollution. Particularly, he quantified changes in gene expression of neurotransmitter receptors on blood cells, in particular T cells. He expanded his research to include neuropsychological changes associated with stress factors. As principal investigator of several grants he found effective changes of neurotransmitter receptors and other factors relevant to these receptors. Based on the changes of expression of these receptors in different diseases he targeted them via specific agonistic or antagonistic drugs. In addition, he successfully treated tumor cells (lung and breast cancer) with specific drugs to induce apoptosis.

Publications

