MEDICAL FACULTYUNIVERSITY HOSPITAL MAGDEBURG

EXPERIMENTAL OBSTETRICS AN GYNAECOLOGY

Projects

Ongoing projects:

Recently completed projects:

- Uterine inflammatory micromilieu after chlamydia infection as a risk for cervix cancer: role of heme oxygenase-1 and therapeutic options in the mouse model (funded by the Else-Kröner-Fresenius-Stiftung, TP3 as part of Else-Kröner-of research Training Groups: The significance of the inflammatory micromilieu for developing preneoplasias: from the molecular signals to new therapeutic strategies
- Mast cells as critical regulators of tissue remodeling during implantation an placentation mechanisms of action and mediators (DFG Ze 526/6-2) www.dfg.de
- Expression regulation of Y-P30 in maternal T cells and their influence on the Neuritogenese thalamic / cortical neurons (funded by the DFG http://www.sfb854.com/index.html,FK854/TP7SFB and http://www.sfb854.de/tp7.html)

- Immunological Tolerance in Neuroblastoma as a basis for the development of new immunotherapeutic approaches (in collaboration with Dr. Stefan Fest, University Children's Hospital of Magdeburg, AG pediatric immunotherapy, support from the Walter-Schulz-Stiftung www.walter-schulz-stiftung.de

- Mast cells as novel regulators of tolerance at the fetal-maternal interface: their role in pregnancy success as "Treg-helpers" and study of their therapeutic potential in spontaneous abortions (DFG Ze 526/6-1) www.dfg.de und www.spp.mastzelle.de

- Human Chorionic Gonadotropin and luteinizing hormone as chemoattractants of regulatory T cells in pregnancy (DFG Ze 526/7-1) www.dfg.de

- Reproductive Biology and Immunology Autumn School (DFG Ze 526/8-1) www.dfg.de

- Characterization of new tolerance mechanisms in two different in vivo models - Research Grants for exchange (PPP) and Argentina (PROALAR) - DAAD, Kennziffer D/07/09571 www.daad.de

- Characterization of tolerance mechanisms at the fetal-maternal interface - Treg cells and novel tolerance-related molecules" (Fundacao para a Ciencia e Tecnologia SFRH/BD/15893/2005 to Ana Teles)

- Study of the therapeutic potential of CO during implantation in a mouse model of spontaneous abortion (GEMI 018/07). http://www.gemifund.org/international/web/lg/alh/like30lgalhgems.nsf/docbyalias/news_allgrants

- Study of the therapeutic potential of HO-1 and its metabolite CO in avoiding immunological fetal rejection in murine models of pregnancy complications(DFG Ze 526/5-1) www.dfg.de

- Participation of mast cells in regulatory T cells (Treg)-induced tolerance at the fetal-maternal interface: Consequences of mast cells or mast cell-related genes absence in pregnancy outcome (Förderung durch die Fritz-Thyssen-Stiftung, AZ. 10.08.2.179) www.Fritz-Thyssen-Stiftung.de

- Reprogrammation of tolerance in murine models of pregnancy complications by using Treg cells (DFG Ze 526/4-2) www.dfg.de

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