

DKF Research Conference

Langhans Hörsaal Pathologie
Murtenstrasse 31, 3010 Bern

Date February 1, 2016, 5 pm – 6 pm

Title **Tissue-engineering of organs: A new frontier in regenerative medicine**

Speaker Prof. Dr. Suchitra Sumitran-Holgersson, Laboratory for Transplantation and Regenerative Medicine, University of Gothenburg, Sweden

Prof. Dr. Suchitra Sumitran-Holgersson earned her Doctor of Medical Sciences degree in Clinical Immunology at the Karolinska Institut, Sweden in 1991, and became an Associate Professor in 2000. In 2008, she joined the Sahlgrenska University Hospital, Gothenburg as a Professor of Transplantation Biology. Her research interests include understanding mechanisms of allograft rejections, stem cell engraftment and tissue-engineering of organs with stem cells. She has contributed to more than eighty articles in peer-reviewed journals and fifteen book chapters and has seven scientific patents to her credit.

Abstract

Different pathological end-stage diseases have few effective therapeutic options apart from a whole organ transplant that, however, often meets with a serious shortage of donor organs. To solve these clinical issues we are using a novel tissue engineering (TE) approach in which a whole donor organ is decellularized to obtain a complex 3D-biomatrix-scaffold maintaining the intrinsic vascular network, that is subsequently recellularized with recipient's autologous organ-specific differentiated cells or/and stem cells, to build a potentially functional biological substitute.

Prof. Dr. Suchitra Sumitran-Holgersson has been invited by PD Dr. Sarah Longnus, Cardiovascular Surgery Research Group, Department of Clinical Research, University of Bern.

Next DKF Research Conference

March 7, 2016

“Autoimmunity, infection, ischemia: It’s all about complement”

Prof. Dr. Marten Trendelenburg, MD, Division of Internal Medicine and Department of Biomedicine, University Hospital Basel, Basel

The DKF Research Conference takes place from 5 pm – 6 pm and will be followed by an apéro.

Everybody is welcome!



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