



<b>Ethical, legal and practical considerations</b>
<b>Prof. Dr. Andrea Hoffmann:</b> Introduction
<b>Dr. Stephan Klöß:</b> Mesenchymal stromal cells / CAR-modified effector cells: Isolation and Expansion „Clinical Grade
<b>Dr. Henning Voigt:</b> Quality control, GMP/ GLP, translation
<b>Prof. Dr. Dr. Tade M. Spranger, Bonn:</b> Ethics committees and their votes
<b>Experimental Applications</b>
<b>Dr. Michael Rothe:</b> Haematopoietic stem cells and their use in gene therapy
<b>Dr. Miriam Hetzel:</b> Macrophages for cell-based therapies
<b>Prof. Dr. Susanne Petri:</b> Stem cell therapy of neurodegenerative diseases exemplified with Amyotrophic Lateral Sclerosis
<b>Dr. Anton Selich:</b> Isolation of MSCs from umbilical cord and their genetic modification
<b>Prof. Dr. Thomas Müller:</b> Mesenchymal stromal cells from placenta and amnion – animal model Common Marmoset
<b>Dr. Sarah Strauß:</b> Experimental use of mesenchymal stromal cells from adipose tissue for <i>Tissue Engineering</i> Lab visit to axolotl and orb web spiders
<b>Clinical Use</b>
<b>Prof. Dr. Dr. h.c. Axel Haverich:</b> Valley of Death: why few experimental concepts reach the clinics
<b>Dr. Evgenii Rubalskii:</b> Bacteriophages and phage therapy
<b>Dr. Dr. Michael Stadler:</b> Stem cell transplantation, donor lymphocytes, mesenchymal stromal cells Visit to bone marrow transplantation ambulance
<b>Prof. Dr. Christoph Schindler:</b> Early Clinical Trials
<b>Prof. Dr. Peter M. Vogt:</b> Experimental use of mesenchymal stromal cells from adipose tissue for reconstructive surgery
<b>Dr. Verena Börger, Essen:</b> Extracellular vesicles for treatment of graft-versus-host-disease
<b>PD Dr. Bettina Wiegmann, Prof. Dr. Christian Kühn:</b> Visit to intense care unit with extracorporeal membrane oxygenation
<b>Dr. Lars-René Tücking, Prof. Henning Windhagen:</b> Visit to surgery theatres: Treatment of arthroses in the knee and in the hip, Annastift