The Leopoldina originated in 1652 as a classical scholarly society and now has 1,600 members from almost all branches of science. In 2008, the Leopoldina was appointed as the German National Academy of Sciences and, in this capacity, was invested with two major objectives: representing the German scientific community internationally, and providing policymakers and the public with science-based advice.

The Leopoldina champions the freedom and appreciation of science on both the national and the international level. It is her role to identify and analyse scientific issues of social importance. The Leopoldina presents its policy recommendations in a scientifically qualified, independent, transparent and prospective manner, ever mindful of the standards and consequences of science.
This international symposium aims to bring together basic researchers and clinicians to discuss new developments for the therapeutic use of various types of transplantations. The focus will be on four major areas: Solid Organs, Highlights In Translation, Eye, Immunology/Ethics.

The event will take place at the Saarland University Medical Center in Homburg and features 15 high-profile speakers. These international experts will present new approaches in the transplantation of liver, kidney, uterus, cornea, retinal pigment epithelium, pancreatic islets, faecal microbiota and bone marrow. The symposium is intended for interested clinicians to basic researchers and junior scientists.

On Thursday evening, Prof. Michael Menger, Dean of the Faculty of Medicine, invites the public to attend his opening lecture to discuss the opportunities and limitations of translational research – “from bench to bedside”.

**Thursday, May 26, 2022**

06:00 pm Registration

06:30 pm Welcome Chair: Prof. Dr. Berthold Seitz

Public Opening Lecture

Prof. Dr. Michael Menger, Homburg/Saar:
Translationale Forschung in der Chirurgie und Transplantations-Medizin: Revolution, mühseliges Tagewerk oder illusionärer Flop

07:30 pm Welcome Party

**Friday, May 27, 2022**

08:30 am Chair: Prof. Dr. Markus Hoth

Brief Address from

Prof. Dr. Manfred Schmitt, President of the University
Prof. Dr. Gerald Haug, President of Leopoldina

Solid Organs

08:50 am Chair: Prof. Dr. Hans-Joachim Schäfers

Prof. Dr. Michael Stöckle, Homburg/Saar:
Robot-assisted, laparoscopic living donor kidney transplantation

09:10 am

Prof. Dr. Hans J. Schlicht, Regensburg:
Liver transplantation in Germany: A critical view

09:40 am

Prof. Dr. Paolo Brenner, München:
Breakthrough in preclinical and clinical cardiac xenotransplantation

10:10 am Coffee Break

10:40 am

Prof. Dr. Sara Brucker, Tübingen:
Uterus transplantation – where are we today?

11:10 am

Prof. Dr. Eckhard Wolf, München:
Genetically tailored donor pigs for xenotransplantation – perspective of a biotechnologist

11:40 am Lunch

**In Translation**

12:40 pm Chair: Prof. Dr. Michael Menger

Prof. Dr. Maria Vehreschild, Frankfurt:
Intestinal microbiome: transplantation and modulation

01:00 pm

Prof. Dr. Patrick MacDonald, Edmonton:
Human islet isolation, biobanking, and distribution for research

01:30 pm

Prof. Dr. Per-Olof Berggren, Stockholm/Miami:
Pancreatic islet transplantation in the anterior chamber of the eye to treat diabetes mellitus

02:00 pm Coffee Break

**Eye**

02:20 pm Chair: Prof. Dr. Frank Schmitz

Prof. Dr. Masayo Takahashi, Kobe:
Retinal cell therapy now and future

02:50 pm

Prof. Dr. Claus Cursiefen, Köln:
Excimer and Femtosecond laser assisted corneal transplantation

03:10 pm

Prof. Dr. Berthold Seitz, Homburg/Saar:
Immune reactions after modern lamellar (DALK, DSAEK, DMEK) versus conventional penetrating corneal transplantation

03:40 pm Coffee Break

**Immunology and Ethics**

04:00 pm Chair: Prof. Dr. Wolfram Henn

Prof. Dr. Martina Sester, Homburg/Saar:
Immunomonitoring in transplant recipients

04:20 pm

Prof. Edward K. Geissler, PhD, Regensburg:
Perspectives of cell-based immune therapy in organ transplantation

04:50 pm

Prof. Dr. Peter Dreger, Heidelberg:
Cellular immunotherapy for hematological disorders – from allogeneic stem cell transplantation to CAR-T cell application

05:10 pm

Prof. Dr. Rudolf Guthoff, Rostock:
Tissue and organ transplantation – ethical and economical considerations in different health systems