

# Announcement

CELLS RESEARCH SEMINAR  
WINTER SEMESTER 2024/2025



**Nico Lachmann, Hannover Medical School**

**Monday, 2 December 2024, 10.15-11.45am s.t.**

Nico Lachmann studied Biomedicine at Hannover Medical School and Yale University School of Medicine. His interests are stem cells to develop new cell-based treatment approaches for rare and common diseases, affecting primarily the lung but also different other organs.



## **Research made for Patients: New Possibilities Applying Cells as Immunotherapies**

Current advancements in gene and cell therapies are transforming modern medicine, offering new therapeutic options for a wide range of patients. I firmly believe in the immense potential and necessity of stem cell research for the advancement and enhancement of human health and well-being. The diverse capabilities of stem cells are highly fascinating, serving as a beacon of hope for millions of patients suffering from chronic and debilitating diseases. In this context, stem cell research is pivotal in drug development and testing. Traditional drug testing methods often face limitations due to interspecies variations, leading to ineffective or harmful results when transitioning to human trials. Stem cell-derived human cells offer a more accurate and reliable model for testing new drugs, significantly reducing the risks and costs associated with drug development. Consequently, I have been developing unique technologies to derive human immune cells from stem cells. These advancements contribute to the development of novel cell-based therapies and innovative bioassays. Thus, in my talk, I will provide insights into my recent stem cell research, developing novel therapies for rare and common diseases affecting the lung and beyond.

**ROOM 1930.A001 (Otto-Brenner-Str. 1)**