



## Seminar series

# „Cell biology, development & regeneration”

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## Jason Mills, PhD, MD

Herman Brown Endowed Professor, Chief of Research  
Gastroenterology and Hepatology  
Baylor College of Medicine  
Houston, Texas United States



**"Paligenosis, a conserved stem cell recruitment program in repair, metaplasia, and cancer"**

**Thursday, 19.1.2023**

16:00, **online**

<https://uni-ulm.zoom.us/j/67136803533?pwd=Y2xoZ2ZHWkMyckJPOUxQcC9FcXIEZz09>

Host: Prof. Gilbert Weidinger, Institute of Biochemistry and Molecular Biology

Jason Mills has discovered intriguing cases of cellular plasticity (dedifferentiation and transdifferentiation) in the gastric system following injury or during disease (*Gastroenterology* 2017, *Gastroenterology* 2019, *Cell Stem Cell* 2020). Importantly, they have identified a molecular pathway that allows differentiated cells to dedifferentiate and proliferate (a process they termed paligenosis), which involves mTOR, DDIT4 and p53 (*Dev. Cell* 2020, *Gastroenterology* 2020)

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*The seminar series „Cell biology, development and regeneration” is jointly organized by:*

Institute of Biochemistry and Molecular Biology  
Institute of Comparative Molecular Endocrinology  
Institute of General Physiology  
Molecular Cardiology lab