



## Seminar



### Dr. Antje Richter

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## Epigenetic Tumor Suppressor Inactivation in Kidney Cancer: Towards Precision Medicine?

Our team investigates gene silencing in tumors, particularly focusing on DNA hypermethylation's role.

With DNA hypermethylation playing a key role in tumor development, our goal is to reverse this suppression as part of cancer therapy efforts.

We have developed a novel epigenetic editing tool based on the CRISPR-dCas9 technology for tumor therapy, currently at the cell culture stage.

Additionally, we are exploring the possibilities of clinical applications of epigenetic editing and developing 3R-compliant 3D cell cultures to replace animal models in our cancer research.

**Time:** Monday, June 24, 2024, 16:30h

**Location:** Seminarraum Physiologie  
VKL 4.1.29  
Universität Regensburg  
and Zoom

**To get the Zoom link please contact:**

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