



Leibniz-Institut für Analytische  
Wissenschaften – ISAS – e.V.

Dortmund & online

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# COLLOQUIUM

## AI for (nephro) pathology

### Speaker:

**Prof Dr med Peter Boor**, is a renowned German physician and scientist. He serves as a W3 Professor of Translational Nephropathology at the University Hospital RWTH Aachen. He heads the Nephropathology Section and the Electron Microscopy Facility at the Institute of Pathology there.

### Time:

Thursday, July 2, 2026 – 1 pm

### Venue:

ISAS Campus, Lecture Hall  
Otto-Hahn-Straße 6b  
44227 Dortmund

&

WebEx: <https://t1p.de/06lkh>

Meeting-ID: 2795 714 8154

Password: dDjqRmYU232

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## **Abstract**

Artificial Intelligence (AI) and Deep Learning (DL) hold great promise to transform medical practice, including pathology. This lecture will provide an overview of the potential of AI in pathology, focusing on the challenging area of kidney pathology. The lecture will introduce pathomics, i.e., a novel -omics approach utilizing AI, that enables large scale, precise quantification of morphology in histopathology. Finally, challenges in using and implementing AI will be discussed