## Renate Kain

Renate Kain, MD., PhD, Head of Department, Full Professor of Pathology at the Department of Pathology of the Medical University of Vienna, received her medical training and training in general histopathology, cytopathology, genetics and microbiology at the University of Vienna. Working with Prof. Kerjaschki and trained by Prof. Mihatsch she specialized in renal histopathology practicing renal and transplant pathology with a special interest in small vessel vasculitis. Through her research training with Minoru Fukuda at the Burnham Sandford Institute in La Jolla she gained expertise in cell biology, biochemistry, immunology and glycobiology. She obtained her PhD from the University of Aberdeen working on proteomic analysis auf antigenic targets in autoimmunity. Her research focuses on exploring basic disease mechanisms in autoimmunity using small vessel vasculitis as model system by combining the insights derived from morphological examination of injured tissues with advanced molecular techniques and translating the findings to the clinical setting of the disease. She made the original discovery of autoantibodies to human lysosomal membrane protein-2 (hLAMP-2) in vasculitis, and has recently shown they are pathogenic.

## Scientific achievements

Renate Kain is a research active, fully trained histo- and cytopathologist with special focus on inflammatory disorders of the kidney and leads a basic research group investigating molecular mechanisms of autoimmunity. Dr. Kain has previously shown herself to be highly effective in promoting collaboration between research centers throughout the US and Europe. She has several years expertise in managing an independent research laboratory funded through external grant income. Dr Kain has coordinated the training program of the EC funded initial training network TranSVIR, and coordinated the EC funded projects INTRICATE and RELENT. She currently is partner in the ITN HELICAL (https://helical-itn.eu/) designed to prepare the next generation of health informatics researchers. She is also partner in the IMI2 project BIGPICTURE (https://www.bigpicture.eu/) that has been designed to establish a large database of pathology images to accelerate the development of artificial intelligence in medicine. In this project she leads as academic partner WP3, dedicated to data collection and management, and coordinates the collection of whole slide images and data in the "Renal node".

## Memberships/Offices in national and international societies

Member of Executive board (President 2019-2021), of the Austrian Society of Pathology, Section IAP (OeGPATH;); Member of executive board (President 2018-2020), Austrian Platform for Personalised Medicine (ÖPPM); Councilor, Renal Pathology Society, Chair, EM-WG European Society Pathology.

*Links*
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