

## Curriculum Vitae

**Name** Katja Kobow, PD med. habil. Dr. rer. nat.  
**Present Position:** Assistant Professor  
**Postal Address:** Universitätsklinikum Erlangen  
Institute of Neuropathology  
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Germany  
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Fax: +49-9131-85-26033  
**Date of Birth:** 20. February 1980



### Research fields

Epigenetics in experimental and human focal epilepsies  
Temporal lobe epilepsy with hippocampal sclerosis (TLE-HS), Malformations of cortical development (MCD), Low-grade epilepsy-associated Tumors (LEAT)  
Genomic-epigenomic-environmental interplay in epilepsy  
Ketogenic Diet

### Education and working experience

2019-today Assistant Professor, Universitätsklinikum Erlangen, Inst. of Neuropathology, FAU, Germany  
12/2019 *Venia legendi* for Molecular Neuropathology, FAU, Germany  
2009-2019 Group leader molecular epilepsy research, Universitätsklinikum Erlangen, Dept. of Neuropathology, FAU, Germany  
2005-2009 *PhD* (neuroscience and genetics)  
Thesis: "Epigenetic gene regulation in focal epilepsies" (Kobow et al. 2009)  
Universitätsklinikum Erlangen, Dept. of Neuropathology, Friedrich-Alexander-Universität (FAU) Erlangen-Nürnberg, Germany  
1999-2005 Study of Biochemistry (Diploma)  
Medical Faculty, Department of Biochemistry, University of Leipzig, Germany

### Commissions of Trust

2018-today Editorial Board *Epilepsia*  
2021-2025 ILAE Career Development Commission, ILAE Lancet Neurology Commission

Reviewer for *Journal of Clinical Investigation*, *Acta Neuropathologica*, *Annals of Neurology*, *Brain*, *Journal of Neuroscience*, *Scientific Reports*, *Epilepsia*, *Neurobiology of Disease*, *Frontiers in Molecular Neuroscience*, *Brain Research*, *Epigenomics*, *eNeuro*, *eLife*

The Netherlands Organisation for Scientific Research (NWO),  
Research Foundation - Flanders (FWO), Israel Science Foundation (ISF), Polish Science Foundation (FNP), Deutsche Forschungsgemeinschaft (DFG), ERANET Neuron

### Awards/Prizes

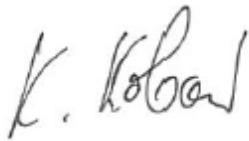
2021 Michael Prize

### **Short Biosketch**

Dr. Kobow is Assisitant Professor at the Institute of Neuropathology at the Universitätsklinikum Erlangen, Friedrich-Alexander-University (FAU) Erlangen-Nürnberg in Germany. She studied biochemistry at the University of Leipzig. She received her PhD in neuroscience and genetics in 2009 under the supervision of Prof. Ingmar Blümcke and since then has built her own research group studying molecular pathomechanisms underlying experimental and human focal epilepsies. The focus in recent years has been on epigenomic changes in epileptic brain tissue as well as the identification of molecular diagnostic biomarkers for epilepsy and associated pathologies. Ongoing mechanistic studies address the translation of hypersynchronous neuronal activity (i.e., seizures) into aberrant epigenetic signatures and possibilities to target these mechanisms, e.g., through metabolic interference, both in-vitro and in-vivo. Dr. Kobow actively participates in several ILAE (International League Against Epilepsy) commissions and task forces and is one of the founders and current board member of the ILAE's Young Epilepsy Section (YES). In 2021 she has been awarded the prestigious Michael Prize for her pioneering work on epigenetics in epilepsy.

**Publications:** 42 (22 research articles)  
Sum of times cited: 2496  
h-index: 21

**Career breaks:** 2003 (first child), 2008 (second child), 2015 (third child)



Erlangen, August 2022