

CV

**Prof. Dr. med. habil. Samir Jabari**

Anatomy Consultant  
 Fachanatom Anatomische Gesellschaft  
 Senior Lecturer  
 Institute of Neuropathology  
 Medical Faculty  
 Friedrich- Alexander- University Erlangen- Nürnberg  
 Date of Birth: 22.02.1983  
 Place of Birth: Djidda (Saudi- Arabia)  
 Marital status: married  
 Children: 2  
 Nationality: german



**ACADEMIC EDUCATION**

06/02           Abitur  
 03-09           Medical School at the Friedrich- Alexander University (FAU) Erlangen-Nürnberg  
 08/05           1st state examination (Physikum)  
 11/09           2nd state examination

**CAREER DEVELOPMENT**

since 11/09    Research fellow at the Institute of Anatomy & Cell Biology Chair 1 FAU Erlangen-Nürnberg:  
                   - teaching med students anatomy and histology  
                   - research with quadruple immunohistochemistry and fluorescence staining via confocal laser-microscopy on disorders of the enteric nervous system

01/15 -01/17   Institute of Pathology at the University Hospital (FAU Erlangen- Nürnberg)  
                   - autopsy (fetal and adult) and diagnostics of biopsy specimens  
                   - evaluation of the use of automatic tissue analysis for diagnostics in M. Hirschsprung

Since 11/18    Institute of Neuropathology at the University Hospital (FAU Erlangen- Nürnberg)  
                   -genotype- phenotype mapping by applying deep learning and computer vision algorithms to various problems in neuropathology diagnostics:  
                   - cortical malformations→ identification of imaging biomarkers revealing genetic background of disorders  
                   - mitosis object detection for reliable classification of meningiomas  
                   - methylation status identification of glioblastoma  
                   - adenoma recurrence prediction of the pituitary gland

**STAYS ABROAD**

02/18 – 03/18 Stanford University (CA, USA) in the laboratory of Prof. William Robinson as part of a BaCaTeC-funded project to search for antibody specificity in multiple sclerosis (No.3 [2017-2])

**MEDICAL CARE CLINICAL QUALIFICATION**

12/09           **License to practice medicine**  
 09/14           **Fachanatom** Anatomical Society  
 04/15           Specialist in **anatomy**

**EXPERIENCE IN MEDICAL CARE**

01/15-01/17 Training in pathology to acquire knowledge in the autopsy as well as histopathological assessment of surgical preparations and other tissue samples.

**SCIENTIFIC QUALIFICATION**

02/10           **Doctorate to Dr. med.**  
*Thesis: "Cellular plasticity of trans- and dedifferentiation markers in human hepatoma cells in vitro and in vivo".*

01/15           **Habilitation** and award of the **Venia legendi** for the subject anatomy  
 Topic of the habilitation thesis: *"Changes of the enteric nervous system - immunohistochemical investigations of the pathogenesis of the Chagas megacolon".*

01/15           Appointment as **Associate Professor**

03/21           Appointment as **Professor**

**IT QUALIFICATIONS**

Full Stack Web Software Developer (Serverside and Frontend):  
 -NodeJS, ExpressJS, SequelizeJS, AngularJS, VueJS, Python, Django  
 Deep - and Machine learning (techniques for dataanalysis):  
 -SciPy, scikit-learn, Keras, Tensorflow, FastAI and Pytorch  
 Software architecture and infrastructure:  
 -Linux, Docker, Nginx, Wordpress

**MEMBERSHIP IN SCIENTIFIC ASSOCIATIONS/ PROFESSIONAL SOCIETIES**

Anatomical Society  
 German University Association  
 German Society for Neuropathology and Neuroanatomy e.V.



**BIOSKETCH**

I am a professor at the Institute of Neuropathology at the Universität Hospitals Erlangen, Friedrich-Alexander-University of Erlangen-Nuremberg (FAU) in Germany. I am the research group leader of the digital and computational pathology research group deep learning morphology. Our main interest is combining molecular genetic data with histomorphological data and identifying new imaging biomarkers with the help of deep learning techniques. We thereby focus on CNS pathologies in the context of but not limited to epilepsy.

**PUBLICATIONS:**

33 (28 original publications with an average citation per item of 8,52)

Sum of times cited : 230

h-index: 10