

BIOGRAPHICAL SKETCH



NAME: **Burek, Malgorzata**

POSITION TITLE: **Group leader, University Hospital Würzburg, Germany**

EDUCATION/TRAINING

University of Warsaw, Poland and Bangor University, United Kingdom	Diploma	06/1998	Biology
University of Münster, Germany	Ph.D.	07/2002	Cell Biology/ Genetics
University of Münster, Germany	Postdoc	11/2003	Cell and Tumor Biology
Habilitation, „Molecular Medicine” University of Würzburg, Germany	PD (Adj. Professor)	06/2016	Molecular Medicine

Contribution to Science

For almost 20 years I have been scientifically involved in studying the cellular and molecular mechanisms at the blood-brain barrier (BBB). My research focuses on characterizing molecular regulatory mechanisms at the BBB, such as estrogen-mediated regulation of the claudin-5 promoter, novel targets of microRNA-212/132 at the BBB, or new proteins like PCDHGC3 with a role at the BBB. My recent work includes searching for blood-borne prognostic biomarkers for neurovascular dysfunction in stroke or in patients with brain metastases from breast cancer, in vitro modelling of the blood-tumour barrier, and studying the interaction of brain microvascular endothelial cells with cancer cells.

Complete List of Published Work in PubMed:

[Burek M - Search Results - PubMed \(nih.gov\)](#)