

Masaryk University	
Faculty	Faculty of Medicine
Procedure field	Neurology
Applicant	MUDr. Pavlína Danhofer, Ph.D.
Applicant's home unit, institution	Faculty of Medicine, Masaryk University
Habilitation thesis	Pediatric epileptology
Board members	
Chair	prof. MUDr. Josef Bednařík, CSc. <i>Faculty of Medicine, Masaryk University</i>
Members	doc. MUDr. Irena Doležalová, Ph.D. <i>Faculty of Medicine, Masaryk University</i> doc. PharmDr. Hana Kubová, DrSc. <i>Fyziologický ústav AV ČR</i> doc. MUDr. Iva Příhodová, Ph.D. <i>Neurologická klinika 1.LF UK a VFN v Praze</i> Professor Mamta Bhushan Singh, MD DM FAAN <i>Dept of Neurology All India Institute of Medical Sciences New Delhi, Delhi, India</i>

Evaluation of the applicant's scholarly/artistic qualifications

Pavlína Danhofer, MD, Ph.D., graduated the Faculty of Medicine of Masaryk University in Brno, Czechia (study program: general medicine) in 2007. After her graduation, she started her early career at the 1th Department of Neurology, St' Anne University Hospital in Brno. In October 2007 she started to work at the Department of Paediatric Neurology, University Hospital Brno, where she has been working until now, currently as the chief consultant in the inpatient ward. She successfully completed her specialization in neurology (2011), electroencephalography (2011), and paediatric neurology (2015). In 2018 she successfully defended her doctoral thesis focusing on the influence of EEG-detected nocturnal centrotemporal discharges on the expression of core symptoms of ADHD in children with benign childhood epilepsy with centrotemporal spikes (BCECTS) and obtained the PhD title.

Dr. Danhofer (nee Cahova) is a physician-scientist with successful academic and clinical track records. Her work contributes to scientific breakthroughs in the field of paediatric neurology, particularly in children suffering from epilepsy and rare disorders leading to improvement in healthcare management and better health outcomes. In his clinical and scientific career she focused on the area of epileptology and on genetic aspects of some other rare disorder of childhood (autism, movement disorders). She improved her knowledge and experience during several short-term study visits at international workplaces and institutions (Dijon, France; Santander, Spain; Ljubljana, Slovenia; Erlangen, Germany; Dianalund, Denmark).

The sum of scholarly journal publications and citations exceeds the recommended habilitation standards of the Faculty of Medicine, Masaryk University. Currently, Dr. Danhofer is the author of 22 scholarly journal articles based on international, national and multidisciplinary cooperation, of these, 16 publications are in journals with a WoS impact factor, and in 10 of these publications, she's the first or corresponding author. Three articles were published in a journal with an IF above the median of the WoS category. The current sum of citations of Dr. Danhofer's scholarly articles is 138 citations according to WoS. The current H-index of the applicant is 5 (according to WoS).

Pavlína Danhofer MD, Ph.D. is involved in two research grant projects of the Czech Health Research Council of the Ministry of Health of the Czech Republic and in one of them she serves as a principal investigator. She is also involved in two other research projects supported by the Ministry of Education of the Czech Republic and in cooperation with MAFIL-CEITEC.

Conclusion: The applicant's scholarly/artistic capabilities **meet** the requirements expected of applicants participating in a habilitation appointment procedure in the field of Neurology.

Evaluation of the applicant's pedagogical experience

Since 2019, Pavlína Danhofer, MD, Ph.D. has participated in regular teaching of pre-graduate students of the master's and bachelor's degree program in general medicine and dentistry at the Faculty of Medicine, Masaryk University (altogether 7 semesters). Actually, she has been working as an assistant professor and she has been teaching neurology and paediatric neurology regularly.

Regarding doctoral studies, Dr Danhofer is a supervisor of one doctoral student in the field of Neurology and Paediatrics, at the Faculty of Medicine, Masaryk University. She is the co-author of 7 chapters in 5 textbooks. Additionally, she is the author of 3 educational publications.

Conclusion: The applicant's pedagogical capabilities **meet** the requirements expected of applicants participating in a habilitation appointment procedure in the field of Neurology.

Habilitation thesis evaluation

The applicant submitted a habilitation thesis entitled "Pediatric Epileptology". The thesis contains introductory review with individual chapters dealing with the basic aspects of epileptology. They were focused mainly on epidemiology, aetiology, comorbidities, therapeutical and prognostic aspects of epileptic syndromes. The classification and description of epileptic seizures and epileptic syndromes were provided with stress paid to epileptic syndromes in the childhood and documented with typical electroencephalographic findings. The terminology of epileptic syndromes is discussed with respect to the new 2022 ILAE Classification and definition of epileptic syndromes. This update is followed by a collection of 12 scholarly articles (4 review articles, 5 original articles, and 4 case reports) previously published by the author and her colleagues. These papers reflect the systematic work of dr. Danhofer in the field of paediatric epileptology. Dr. Danhofer is the first author of 9 articles. The individual works are mainly devoted to different diagnostic, therapeutic and prognostic factors of self-limited focal epilepsies in the childhood.

The habilitation thesis was reviewed by three respected experts in the field of epileptology. All reviewers agreed that the habilitation thesis of Dr. Danhofer presents new knowledge in the field of paediatric epileptology and has a good scientific potential. The opponents also highly evaluated concise and precise formal and language level of the habilitation thesis. Based on all the three reviews, the presented habilitation thesis meets the standard requirements for habilitation theses in the field of Neurology at the Faculty of Medicine, Masaryk University.

Conclusion: The applicant's habilitation thesis **meet** the requirements expected of habilitation theses in the field of Neurology.

Secret vote results

Voting took place: electronically

Number of board members		5
Number of votes cast		5
of which	in favour	5
	against	0

Board decision

Based on the outcome of the secret vote and following an evaluation of the applicant's scholarly or artistic qualifications, pedagogical experience and habilitation thesis, the board hereby submits a proposal to the Scientific Board of the Faculty of Medicine of Masaryk University to **appoint the applicant associate professor** of Neurology.

In Brno on 23.09.2022

prof. MUDr. Josef Bednařík, CSc.