Habilitation Board Decision on the Nomination for Appointment to Associate Professor

Masaryk University	
Faculty	Faculty of Medicine
Procedure field	Pharmacology
Applicant	PharmDr. Jitka Rychlíčková, Ph.D.
Applicant's home unit, institution	Faculty of Medicine, Masaryk University
Habilitation thesis	Clinical pharmacology of colistin in critically ill
Board members	
Chair	prof. MUDr. Dalibor Valík, Ph.D., DABCC *Faculty of Medicine, Masaryk University*
Members	doc. MUDr. Regina Demlová, Ph.D. *Faculty of Medicine, Masaryk University* prof. MUDr. Ondřej Slanař, Ph.D. *Farmakologický ústav 1. LF UK a VFN* doc. Danica Michaličková *Farmakologický ústav 1. LF UK a VFN* Zoi Dorothea Pana, MD, MSc, PhD *Medical School, University of Nicosia, Cyprus*

Evaluation of the applicant's scholarly/artistic qualifications

PharmDr. Jitka Rychlíčková, Ph.D., BCPS, obtained her degree in Pharmacy in 2012 from the Faculty of Pharmacy, University of Veterinary and Pharmaceutical Sciences Brno. In 2013, she commenced her full#time clinical practice at the Department of Clinical Pharmacy, Na Bulovce Hospital in Prague. In the same year, she enrolled in doctoral studies at the Faculty of Pharmacy, University of Veterinary and Pharmaceutical Sciences Brno. She successfully defended her doctoral dissertation in 2017. Subsequently, she obtained national professional certification in Clinical Pharmacy by the Institute for Postgraduate Medical Education, Prague, in 2018, and achieved international board certification as a Board Certified Pharmacotherapy Specialist (BCPS) by the Board of Pharmacy Specialties, Washington, DC, in 2020.

Since 2018, she has pursued a combined clinical and academic career. From 2018 to 2019, she worked as a clinical pharmacist at the Masaryk Memorial Cancer Institute in Brno. Since 2019, she has been employed as a clinical pharmacist at the Anaesthesiology and Resuscitation Clinic, St. Anne's University Hospital in Brno. Her ongoing collaboration with this clinic constitutes an important component of her scientific and research activities. Concurrently, she has been affiliated with the Department of Pharmacology, Faculty of Medicine, Masaryk University, Brno, since 2018 (up to 30.6.2023 as a specialist, since 1.7.2023 as an assistant professor), and Centre of Excellence CREATIC, Faculty of Medicine, Masaryk University, Brno, since 2026 (as a head of Education Unit). Initially, her activities focused on clinical trial project management and teaching; over time, her academic interests have progressively shifted toward clinical pharmacology and clinical trial methodology and innovations in education in these fields.

The publication activity of PharmDr. Jitka Rychlíčková, Ph.D., BCPS, includes a total of 34 publications (23 as a first or corresponding author) in relevant pharmacological and medical journals. In the Web of Science, 15 original publications are indexed, 10 of which are Q1/Q2. The applicant is the first author in 5 of these and the corresponding author in 5 too. The applicant's cumulative IF is 41,495 and H-index of 5 in the Web of Science as of 7.10.2025. As of April 24, 2026 (when the Habilitation Board reviewed the materials), the applicant has four additional publications in Web of Science; three of them are in Q1/Q2, she is the first author of one of them, and she is the corresponding author of another.

The applicant has presented more than 60 presentations or posters at national and international conferences. She is an active member of EACPT Education Working Group, deputy of editor-in-chief of Clinical Pharmacology and Pharmacy journal and an external examiner at the University College Cork, Cork, Ireland.

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

Evaluation of the applicant's pedagogical experience

Since joining the Department of Pharmacology at the Faculty of Medicine, Masaryk University, in 2018, PharmDr. Jitka Rychlíčková, Ph.D., BCPS, has been actively involved in teaching at both bachelor's and master's degree levels, delivering courses in pharmacology and clinical pharmacology. She has also significantly contributed to the innovation of clinical pharmacology education within the General Medicine study program. She is the guarantor of two subjects: Medication errors and Designing and Conducting Human Clinical Trials, the latter intended for doctoral students. In addition to her work at the university, she is a lecturer at the Institute for Postgraduate Medical Education, Prague. She has co-authored three textbooks and authored two chapters in the other textbooks. She has supervised one doctoral student.

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

Habilitation thesis evaluation

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The habilitation thesis of PharmDr. Jitka Rychlíčková, Ph.D., BCPS, entitled "Clinical pharmacology of colistin in critically ill" addresses therapeutic drug monitoring and dose optimization of colistin in critically ill patients, with particular emphasis on those undergoing extracorporeal membrane oxygenation.

The introductory section summarizes the pharmacological characteristics of colistin, pharmacokinetic alterations in critical illness, the therapeutic drug monitoring in intensive care and population pharmacokinetic modelling, and the influence of ECMO circuits on drug disposition. The work is supported by five original publications addressing key clinical and methodological challenges.

Overall, the thesis reflects a systematic and methodologically rigorous approach to the subject, makes a significant contribution by advancing current understanding of colistin pharmacokinetics and dosing in critically ill patients, and provides clinically applicable insights to improve therapeutic practice.

This habilitation thesis was reviewed by three respected experts in the field of pharmacology and clinical pharmacology. All reviewers confirmed the high quality of the submitted work.

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

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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 professo**r of Pharmacology.

In Brno on 14.05.2026

prof. MUDr. Dalibor Valík, Ph.D., DABCC