

Masaryk University	
Faculty	Faculty of Medicine
Procedure field	Pharmacology
Applicant	doc. MUDr. Regina Demlová, Ph.D.
Applicant's home unit, institution	Faculty of Medicine, Masaryk University
<u>Board members</u>	
Chair	prof. PharmDr. Petr Babula, Ph.D. <i>Faculty of Medicine, Masaryk University</i>
Members	prof. MUDr. Ondřej Slanař, Ph.D. <i>Farmakologický ústav 1. LF UK a VFN</i> prof. MUDr. Jiří Vítovec, CSc. <i>Faculty of Medicine, Masaryk University</i> doc. MUDr. Kateřina Kopečková, Ph.D. <i>Onkologická klinika 2. LF UK a FNMH</i> Prof. Jacques Demotes-Mainard, MD, PhD <i>European Clinical Research Infrastructure Network, France</i>

Evaluation of the applicant's scholarly/artistic qualifications

The scholarly qualifications of Associate Professor Regina Demlová, MD, PhD, constitute an exceptional and highly respected professional profile in both the national and international contexts, founded upon her sustained and systematic integration of clinical pharmacology, academic clinical research, personalised medicine, oncopharmacology, and the development of advanced therapy medicinal products. The scope and quality of her publication record are evidenced by 101 peer-reviewed scholarly publications, of which 64 are indexed in the Web of Science and 37 in Scopus, including 61 articles published in journals with an impact factor and 16 papers on which she is listed as first or corresponding author; her work has received 1,094 citations excluding self-citations, and her current H-index is 16. The thematic breadth of these publications extends considerably beyond narrowly defined pharmacology and encompasses clinical trials, the assessment of drug efficacy and safety, pharmacokinetics and pharmacodynamics, pharmacoeconomics, biomarkers, cellular immunotherapy, virtual modelling of therapeutic response, and the methodological and regulatory aspects of translating innovative therapies into clinical practice. Of particular significance is her ability to establish and sustainably develop research structures extending beyond the boundaries of individual institutions, as demonstrated by her leading role in building CZECRIN, the Czech national infrastructure for academic clinical research, her leadership of the CREATIC Centre of Excellence, and her pivotal involvement in major national and European research programmes, including CREATIC, CERTAINTY, CZECRIN, CZECRIN_PHARMTECH, EU-RESPONSE, TENSION, NISCI, and several other multicentre initiatives. According to the documentation submitted, the applicant has served as principal investigator or co-investigator in a total of 21 research projects. Her position within the international scientific community is particularly prominent and derives not merely from participation in international consortia, but from the substantive strategic and conceptual responsibilities she has assumed. This is evidenced by her longstanding service within the governance structures of ECRIN-ERIC, initially as Vice-Chair and subsequently as Chair of the Network Committee, her representation of the Czech Republic on the Committee for Orphan Medicinal Products of the European Medicines Agency, and her membership of scientific advisory boards and other expert bodies. Her professional authority is further explicitly confirmed by letters of recommendation from distinguished representatives of European clinical pharmacology and research infrastructures, who describe her as an internationally recognised expert with a substantial influence on the development of academic clinical research and advanced therapies in Europe. Overall, the applicant's scholarly contribution lies not only in the considerable volume and consistently high quality of her publication output, but, above all, in her demonstrated ability to formulate strategic research priorities, integrate basic, translational, and clinical research, establish effective national and European research networks, and create institutional environments capable of supporting complex academic clinical trials and the development of modern cell- and gene-based therapies. Her professional authority, international recognition, and demonstrable impact on the advancement of the discipline therefore unequivocally meet, and in several respects exceed, the standards expected of a candidate for appointment as Professor of Pharmacology.

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

Evaluation of the applicant's pedagogical experience

The teaching experience of Associate Professor Regina Demlová, MD, PhD, is exceptionally extensive, sustained over many years, and closely integrated with her professional expertise in clinical and medical pharmacology. It encompasses the systematic education of students enrolled in General Medicine, Dentistry, Nursing, Midwifery, Nutritional Therapy, Optometry, Physiotherapy, and doctoral study programmes, and includes lectures, practical classes, seminars, and specialised instruction in applied and clinical pharmacology and the methodology of clinical trials. Her educational activities extend well beyond direct teaching and include the continuous supervision of qualifying theses and the training of the next generation of academic and clinical professionals. This is demonstrated by her successful supervision of two bachelor's and eight master's theses, and, in particular, by her role as supervisor of seven doctoral candidates, four of whom have already completed their studies successfully, while the remaining candidates are currently progressing towards, or are scheduled to complete, their doctoral degrees. The research topics addressed in these theses encompass the pharmacotherapy of solid tumours, pharmacoeconomics,

personalised treatment, population pharmacokinetics, health technology assessment, and advanced therapy medicinal products. A further important component of her teaching portfolio is her active participation in the governance of doctoral education, including her longstanding membership of the Doctoral Board in Pharmacology and her leadership of the doctoral committee in Pharmaceutical Medicine and Advanced Therapy Medicinal Products. These responsibilities attest to her ability not only to provide individual academic supervision, but also to contribute substantially to the conceptual development of study programmes and to the establishment of their academic and professional standards. Her educational contribution is further reinforced by her authorship and co-authorship of a university textbook, specialist chapters, and other teaching materials addressing clinical trials, pharmacogenetics, targeted therapy, and clinical pharmacology, through which she has consistently facilitated the transfer of current scientific knowledge into undergraduate, postgraduate, and specialist education. The high standard of her teaching expertise was also confirmed by the public lecture delivered as part of the professorial appointment procedure, which was assessed as scientifically accurate, logically structured, interdisciplinary in scope, and highly effective from a didactic perspective. During the lecture, the applicant demonstrated an excellent ability to communicate highly specialised subject matter clearly, to integrate theoretical principles convincingly with clinical practice, and to respond competently and authoritatively to expert discussion. Her teaching experience may therefore be regarded as fully meeting, and in several respects exceeding, the requirements expected of a candidate for appointment as Professor of Pharmacology.

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

Evaluation of the applicant as a respected and recognized scholarly or artistic figure in a given field

The professional standing of Associate Professor Regina Demlová, MD, PhD, in the field of clinical and medical pharmacology is evidenced by her longstanding service in expert, evaluative, and governing bodies at both national and international levels. Within the Czech academic and research environment, she currently holds or has previously held positions on the scientific boards of the Faculty of Medicine and the Faculty of Pharmacy of Masaryk University, the Masaryk Memorial Cancer Institute, and the Czech Health Research Council, and she also contributes to the work of doctoral boards and other academic bodies. Through these activities, she participates in the evaluation of scientific performance, the development of educational and research programmes, and the formulation of professional and academic standards. Her international recognition is demonstrated particularly by her involvement in the European Clinical Research Infrastructure Network, ECRIN-ERIC, where she served first as Vice-Chair and subsequently as Chair of the Network Committee, as well as by her representation of the Czech Republic within the expert structures of the European Medicines Agency. These responsibilities involved participation in strategic decision-making, the coordination of national research infrastructures, and the consideration of key issues relating to European clinical research and medicinal product regulation. Her professional standing is further substantiated by her involvement in the programme and organising committees of specialist conferences, her representation of Czech clinical pharmacology within international networks, and her collaboration with European academic, research, and regulatory institutions. The submitted letters of recommendation from international experts describe the applicant as an internationally established representative of clinical pharmacology and academic clinical research and emphasise her contribution to the development of national and European research infrastructures. Taken together, these activities and achievements demonstrate that her professional standing fully meets the criteria expected of a recognised scholarly figure in proceedings for appointment as Professor.

Conclusion: The applicant **is** a respected and recognized scholarly figure in his/her field. The applicant **has** made a significant contribution to the development of his/her field. The applicant **constitutes** a leading figure in his/her field of scholarship or research.

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 role as a respected and recognized scholarly or artistic figure, the board hereby submits a proposal to the Scientific Board of the Faculty of Medicine of Masaryk University to **appoint the applicant professor** of Pharmacology.

In Brno on 27.07.2026

prof. PharmDr. Petr Babula, Ph.D.