

Masaryk University	
Faculty	Faculty of Medicine
Procedure field	Neuroscience
Applicant	doc. Ing. Daniel Schwarz, Ph.D.
Applicant's home unit, institution	Faculty of Medicine, Masaryk University
Board members	
Chair	prof. MUDr. Milan Brázdil, Ph.D. <i>Faculty of Medicine, Masaryk University</i>
Members	prof. Dr. Ing. Petr Hlušík, Ph.D. <i>Neurologická klinika LF UP v Olomouci a FN Olomouc</i> Prof. Dr. med. habil. Markus Ullsperger <i>Dept. of Neuropsychology, Institute of Psychology, Faculty of Natural Sciences, Otto-von-Guericke University Magdeburg, Germany</i> prof. Ing. Jan Kremláček, Ph.D. <i>Ústav lékařské biofyziky, Lékařská fakulta v Hradci Králové, Univerzita Karlova</i> prof. MUDr. Peter Valkovič, Ph.D. <i>II. neurologická klinika LF UK a UN Bratislava, Nemocnica akademika L. Déreza</i>

Evaluation of the applicant's scholarly/artistic qualifications

Doc. Daniel Schwarz has been publishing systematically since 2001, with a significant part of his publications related to neuroscience. He is the author of 31 original papers registered in the WoS database and 24 peer-reviewed publications in journals outside WoS. He has also authored several chapters in national and international monographs and has applied certified methodology and several software. His papers have been cited in international databases 443 times, and the current h-index is 12.

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

Evaluation of the applicant's pedagogical experience

Doc. Schwarz has extensive pedagogical experience. His teaching workload meets the requirements, and he has been teaching at the Faculty of Medicine, Masaryk University, for 14 years, seven of which have been since his habilitation. He serves as a Ph.D. supervisor for three students, acts as a consultant for one doctoral student, and has successfully mentored two students through postgraduate studies. Additionally, he has authored eight peer-reviewed pedagogical publications.

Doc. Schwarz has long been dedicated to the field of neuroscience research and leads the NeuroMiner.cz working group focused on the scientific work of students with multidimensional neuroimaging data.

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

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

Doc. Schwarz's expertise spans medical image processing, neuroimaging, machine learning, medical informatics, and technology-enhanced learning. His significant achievements include co-founding MEFANET, facilitating digital resource sharing among medical faculties. As president of its Coordination Committee, he oversees annual conferences.

Doc. Schwarz leads Erasmus+ projects, transferring knowledge to Faculties of Science and Medicine at Masaryk University, enhancing virtual patient and collaborative learning. He spearheaded methodological enhancements for key clinical courses and co-founded Masaryk University's Institute of Biostatistics and Analyses, evolving it into an R&D-focused entity with notable intellectual property assets. In 2022, the institute gained recognition as EHDEN's certified data center, reflecting Schwarz's impactful contributions to research and education.

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 Neuroscience.

In Brno on 06.05.2024

prof. MUDr. Milan Brázdil, Ph.D.

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