

### Masaryk University

#### Faculty

Faculty of Medicine

#### Procedure field

Internal Medicine

#### Applicant

doc. MUDr. Roman Panovský, Ph.D.

#### Applicant's home unit, institution

Faculty of Medicine, Masaryk University

#### Board members

##### Chair

prof. MUDr. Lubomír Elbl, CSc.

*Faculty of Medicine, Masaryk University*

##### Members

prof. MUDr. Petr Němec, Ph.D.

*Faculty of Medicine, Masaryk University*

prof. MUDr. Tomáš Paleček, PhD.

*II. interní klinika- klinika kardiologie a angiologie, VFN, 1. LF UK*

prof. MUDr. Martin Hutýra, Ph.D., FESC

*1. interní klinika - kardiologická, Lékařská fakulta Univerzity Palackého a Fakultní nemocnice Olomouc*

Prof. dr. Robin Nijveldt, MD PhD

*Radboud University Medical Center, Nijmegen, the Netherlands*

### Evaluation of the applicant's scholarly/artistic qualifications

Assoc. prof. Roman Panovský, M.D., Ph.D., has been working since 1994 at the First Department of Internal Medicine – Cardioangiology, St. Anne's University Hospital Brno, where he currently holds the position of Deputy Head for Science and Research. Since 2011, he has also been affiliated with the International Clinical Research Center (ICRC), where he serves as Senior Research Team Leader of the Noninvasive cardiology Imaging Group.

In 2004, he earned a Ph.D. in Internal Medicine. In 2016, he was appointed Associate Professor in the same field at the Faculty of Medicine, Masaryk University after successfully defending his habilitation thesis entitled "Aerobic training of patients with chronic ischemic heart disease and its effect on systolic and diastolic function of the left ventricle, exercise tolerance and patient prognosis."

His scientific work is focused on non-invasive diagnostics of cardiovascular diseases, with a primary emphasis on cardiovascular magnetic resonance (CMR) and its application in cardiology. He has authored or co-authored a total of 86 peer-reviewed scientific articles, out of which 58 were published in journals with an impact factor (IF). As first or corresponding author, he contributed to 24 peer-reviewed articles, including 18 in IF journals. Five of these publications were published in journals ranked above the median impact factor in their respective WoS category.

He has a Hirsch index (H-index) of 14 in the Web of Science (WoS) database, with a total of 3,760 citations, excluding self-citations. As first or corresponding author, he received 79 WoS citations (excluding self-citations).

He has served as principal investigator or co-investigator in 4 national or international research projects, and supervised or consulted on 6 Ph.D. theses, of which 2 have already been successfully defended. He has contributed to the field also as a co-author of 5 textbooks, book chapters, or teaching materials.

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

### Evaluation of the applicant's pedagogical experience

The applicant has been actively involved in teaching at the Faculty of Medicine of Masaryk University for over two decades. His teaching activities have primarily focused on the subject of Internal Medicine within the Master's degree programme.

Between 1998 and 2025, he regularly taught the subjects "Propedeutics" and Internal Medicine as part of the Master's degree programme. His sustained involvement in both theoretical and practical teaching over this period reflects his steady contribution to undergraduate medical education.

He has supervised or consulted six Ph.D. theses in the field of Internal Medicine, of which two have already been successfully defended. MUDr. Lucia Masárová, Ph.D., defended her dissertation in 2023 and was awarded the Prize for Excellent Results in Doctoral Studies by



the Vice-Rector for Research and Doctoral Studies. She currently works as a cardiologist at CKTCH, Brno. MUDr. Lukáš Opatřil, Ph.D., also defended his doctoral thesis in 2023 and is employed as a cardiologist at the First Department of Internal Medicine – Cardioangiology, St. Anne's Faculty Hospital in Brno. Two other doctoral candidates' defences are expected in 2025 or 2026. This ongoing engagement in doctoral education reflects the applicant's ability to mentor and develop early-stage researchers.

The applicant has also been actively involved in academic governance. Since 2019, he has been serving as an internal member of the Doctoral Committee for the Cardiology doctoral programme. In parallel, he has been a member of the State Examination Board for the Master's programme in General Medicine at the Faculty of Medicine, Masaryk University.

In terms of teaching materials, the applicant is a co-author of several textbook chapters used in the instruction of internal medicine and cardiology. These include contributions to the textbook *Léčba kardiovaskulárních onemocnění* (edited by Jiří Vítovec, Jindřich Špinar, Lenka Špinarová and Ondřej Ludka), where he co-authored chapters on the treatment of chronic ischemic heart disease and angina pectoris. He also contributed to *Farmakoterapie kardiovaskulárních onemocnění* (edited by Jiří Vítovec, Jindřich Špinar and Lenka Špinarová), specifically to the chapter on calcium channel blockers. Furthermore, he participated in the creation of the textbook *Vnitřní lékařství* (edited by Petr Dítě), contributing to the section on cardiology and angiology together with a wide team of Czech experts. He is also a co-author of a chapter on the pathogenesis of ischemic heart disease in the textbook *Kardiologie* (edited by Miloš Štefja). His contributions reflect his focus on internal medicine and cardiology and illustrate his engagement in the preparation of teaching materials for students and healthcare professionals.

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

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

The applicant is an active and respected figure in the field of cardiovascular medicine, particularly in non-invasive cardiac imaging and clinical cardiology. His expertise is reflected in his longstanding membership in national expert groups and international collaborations. He has been a member of the Czech Association of Cardiovascular Imaging Methods (ČAKVZM) since its establishment and served as a member of its executive committee from 2020 to 2024. Within this organization, he served as the Chair of the CMR Section from 2020 to 2024 and currently holds the position of Vice-Chair. Since 2022, he has also been a member of the Strategy Board of ICRC in Brno.

He has also established extensive international collaborations with renowned academic institutions and research centers. These include Université Catholique de Louvain in Belgium (evaluation of multivendor CMR software), Universitat de Barcelona and Utrecht University Medical Center (Artificial Intelligence in Cardiology), as well as Charney Division of Cardiology at New York University and SRDC Software Research & Development in Turkey. His research cooperations span a wide range of advanced cardiovascular topics including artificial intelligence, cardiac imaging in neuromuscular disorders, myocarditis, sarcoidosis, and experimental CMR in animal models. Domestically, he collaborates with leading Czech research institutions including CEITEC MU, the Czech Academy of Sciences, and multiple university hospitals.

The applicant holds a principal investigator position in the project titled Role of the immune system in myocardial injury in patients with COVID-19 funded by the Czech Health Research Agency (AZV, NU22-A-121, 2022–2023). He also serves as co-principal investigator in several significant projects, including: 1/ Early Aortic Valve Surgery Versus Conservative Treatment in Patients with Severe Asymptomatic Aortic Regurgitation (AZV VES, NU23-02-00087, 2023–2026); 2/ A European Health Data Toolbox for Enhancing Cardiology Data Interoperability, Reusability and Privacy (DataTools4Heart), funded by the European Union Horizon program (HORIZON-HLTH-2021-TOOL-06-03, 2022–2026); 3/ Trustworthy Artificial Intelligence for Personalized Risk Assessment in Chronic Heart Failure (AI4HF), also funded by the EU Horizon program (HORIZON-HLTH-2022-DISEASE-06-two-stage, 2023–2027). Previously, he has been involved as a team member in multiple research projects focusing on ischemic heart disease, myocardial viability, and autologous stem cell transplantation in acute myocardial infarction, supported mainly by the Czech Ministry of Health and Ministry of Education. This substantial portfolio of active and completed projects, especially his leadership in competitive grants both at the national and European level, demonstrates his recognized expertise and ability to secure and manage research funding.

The applicant has also received professional recognition for his scientific activity. At the Euroecho Congress in Vienna in 2019, his abstract received a High Score Abstract award, confirming the international relevance and quality of his research. Overall, he is recognized as a respected expert within the Czech and European cardiology communities, with a strong record of interdisciplinary collaboration and contributions to advances in cardiological diagnostics.

**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 Internal Medicine**.

In Brno on 30.06.2025

prof. MUDr. Lubomír Elbl, CSc.

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