

Masaryk University	
Faculty	Faculty of Science
Procedure field	Anthropology
Applicant	doc. RNDr. Petra Urbanová, Ph.D.
Applicant's home unit, institution	Faculty of Science, Masaryk University
Board members	
Chair	prof. MUDr. Petr Hejna, Ph.D., MBA <i>Department of Forensic Medicine, Faculty of Medicine, Charles University in Prague and University Hospital Hradec Králové</i>
Members	prof. MUDr. Tatjana Dostálová, DrSc., MBA <i>Department of Dentistry for Children and Adults, 2nd Medical Faculty, Charles University and University Hospital Motol</i> Prof. Michael Pietrusewsky, Ph.D. <i>College of Social Sciences, University of Hawai at Manoa, USA</i> Prof. Dr. hab. Maria Kaczmarek <i>Institute of Human Biology and Evolution, Faculty of Biology, Adam Mickiewicz University, Poznań, Poland</i> Prof. Dr. Roberto Cameriere <i>Laboratory for Forensic Anthropology, University of Macerata, Italy</i>

Evaluation of the applicant's scholarly/artistic qualifications

Doc. RNDr. Petra Urbanová, Ph.D. is a distinguished scientist in the field of anthropology. Her work covers areas such as forensic anthropology, human skeletal evolution and biology, and digital data acquisition and processing in anthropology. The quantity and quality of her scientific output is exceptionally high and far exceeds the standards required for a professorship in the field of anthropology in the Czech Republic.

Throughout her academic career, Doc. Urbanová has established a robust publication record, authoring 64 papers indexed in scientific databases. Of these, 36 are listed in the Web of Science, with 11 ranked in the top two quartiles, underscoring her significant impact in the field. She has also contributed 10 papers to conference proceedings, which are indexed in recognized scientific databases, further demonstrating her active role in academic discourse. It is noteworthy that Doc. RNDr. Petra Urbanová, Ph.D. or other members of her research group are the key authors of most of the important publications. In addition, Petra Urbanová's publication record shows a clear trend of continuous improvement: she started her career with publications below the median impact factor for the field but has progressed to contributing to internationally recognized Q1 and Q2 journals according to Web of Science. She is also the author of one book and five chapters in scientific monographs. In addition to her publications, doc. Urbanová has a number of patents, software products (e.g., geometric morphometrics and forensic ID facial identification), certified methodologies, digitized anatomy atlases, original works of art and more.

Doc. Urbanová has been the principal investigator or a member of research teams in several prestigious grant projects. Outside her university obligations, doc. Urbanová holds an appointment as forensic expert in anthropology and forensic anthropology, Department of Justice, Czech Republic and is a forensic expert in mass grave investigations and human rights violations. She is member of the editorial boards for two academic journals and is a scientific board member for the Brno City Museum in the Czech Republic. In recognition of her systematic scientific and scholar work, she has received numerous awards, including the Dean's Award of the Faculty of Science at Masaryk University (2003), the Dr. Aleš Hrdlička Award of the Czech Anthropological Society (2005), the Rector's Award for an excellent doctoral thesis at Masaryk University (2010), and the MUNI Scientist Award (2020).

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

Evaluation of the applicant's pedagogical experience

Doc. Petra Urbanová has been pedagogically engaged at the Department of Anthropology since 2008, first as an assistant in 2008-2009, then as an assistant professor from 2009 to 2017, and since 2017 as an associate professor. Her teaching activities focus on forensic anthropology, human biology, human osteology, comparative osteology, advanced shape analysis, multivariate statistical methods, and 3D data acquisition and modelling. In addition to her ongoing teaching activities, which include practical exercises, seminars, and lectures, she has participated in the conceptual and methodological preparation of three undergraduate courses - Forensic Anthropology, Evolution of Human Skeletal Systems, and Digital Imaging Data Acquisition and Processing in Anthropology - including the creation of interactive syllabi.

As a mentor, she has successfully supervised 10 bachelor's and 10 master's theses, often on topics related to her research areas in forensic anthropology and contemporary trends in the field. Additionally, she has supervised two PhD students and is currently supervising the research of one master's student and two PhD students, further demonstrating her commitment to training the next generation of scholars in anthropology. Both PhD students who graduated under the supervision of Doc. Urbanová are now well-established scholars and valued members of the research team at the Department of Anthropology. Professor Rodolfo Francisco Haltenhoff Melani (Universidade de São Paulo, Faculdade de Odontologia), a prominent peer in the field, wrote in his letter of recommendation about her educational contributions: "Among the courses, workshops, seminars and lectures held in Brazil since 2012, I highlight the International Workshop New Dimensions

of Forensic Anthropology and Genetics (2016), in which I had the opportunity to participate and monitor the pedagogical consistency of her approach on the themes that meet the interest of the scientific community of these two universities, especially the need for new technologies in the field of forensic anthropology."

Doc. Urbanová's international academic engagements include appointments as a Fellow/Visiting Professor at North Carolina State University in 2013-2014 and 2016, and as a Visiting Professor at the Federal University of São Paulo in 2016, 2020, and 2023. She also worked as a forensic expert/coordinator for the Office of the High Commissioner for Human Rights, United Nations, stationed in Democratic Republic of the Congo in 2018–2019.

We can therefore conclude that Doc. Petra Urbanová consistently demonstrates exceptional pedagogical skills that far surpass the typical standards in her field.

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

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

During her academic career spanning more than two decades, Doc. Petra Urbanová has emerged as a distinguished figure in the field of anthropology, particularly noted for her contributions to forensic anthropology and the integration of the latest digital innovations and trends into anthropological research. She is renowned both in the Czech Republic and internationally, recognized for her impactful scientific publications and sophisticated commitment to education. Her research is extensively cited in international journals, with over 300 citations in the Web of Science and Scopus databases, including citations from leading scholars and prominent journals in her field.

After reviewing all the relevant facts and information, the Evaluation Board has concluded that Doc. Urbanová has achieved outstanding results in her scientific, educational, expert, and organizational activities. She has established extensive international academic connections and is highly regarded as an expert both nationally and internationally, thereby significantly enriching the field of anthropology. Based on the evaluation of the relevant academic criteria for the position, the Evaluation Board concludes that Doc. Petra Urbanová clearly exceeds the requirements for the academic rank of university professor in the field of anthropology across all evaluated categories.

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		4
of which	in favour	4
	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 Science of Masaryk University to **appoint the applicant professor** of Anthropology.

In Brno on 16.05.2024

prof. MUDr. Petr Hejna, Ph.D., MBA

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