

Masaryk University	
Faculty	Faculty of Medicine
Procedure field	Pathology
Applicant	MUDr. Mgr. Bc. Tomáš Vojtíšek, Ph.D.
Applicant's home unit, institution	Faculty of Medicine, Masaryk University
Habilitation thesis	The Bayesian Approach in Forensic Medicine
Board members	
Chair	prof. MUDr. Markéta Hermanová, Ph.D. <i>Faculty of Medicine, Masaryk University</i>
Members	doc. MUDr. Leoš Křen, Ph.D. <i>Faculty of Medicine, Masaryk University</i> prof. MUDr. Lubomír Straka, PhD. <i>h expertíz, Jesseniova lekárska fakulta v Martine, UK v Bratislave</i> doc. MUDr. Miloš Sokol, Ph.D. <i>Vojenský ústav soudního lékařství Vojenské fakultní nemocnice UVN Praha</i> prof. MUDr. Ivana Kholová, Ph.D. <i>Institute of Clinical Medicine, School of Medicine, Faculty of Health Sciences, University of Eastern Finland, Joensuu, Kuopio, Finland</i>

Evaluation of the applicant's scholarly/artistic qualifications

MUDr. Mgr. Tomáš Vojtíšek, Ph.D., graduated in General Medicine in 1998 from the Faculty of Medicine, Masaryk University. In 2001, he passed the first-level certification exam in pathological anatomy, and in 2004, he completed a postgraduate certification in forensic medicine. In 2009, he successfully defended his dissertation entitled "The forensic evaluation of injuries by dead traffic accidents of pedestrians hit by motor cars", at the Faculty of Medicine, Masaryk University, and was awarded a Ph.D. He also holds a master's degree from the Faculty of Law, Masaryk University, which he earned in 2015. Since graduating from the Faculty of Medicine at Masaryk University in 1998, he has worked at the Department of Forensic Medicine at the Faculty of Medicine, Masaryk University, and St. Anne's University Hospital in Brno; he has served as the head of the institute since 2020.

Dr. Vojtíšek is a highly respected figure in the field of forensic medicine; he serves as chair of the Ministry of Health's Accreditation Commission for Forensic Medicine, as a member of the Ministry of Health's Professional Commission for Forensic Medicine, and as a member of the Ministry of Justice's Examination Commission for the special entrance examination for expert witnesses in forensic medicine. He is an expert in the field of healthcare, specializing in forensic medicine. He is also vice-chairman of the committee of the Society of Forensic Medicine and Forensic Toxicology of the Czech Medical Association of J. E. Purkyně (ČLS JEP) and scientific secretary of the committee of the Society of Medical Law of the Czech Medical Association of J. E. Purkyně. He is a member of the editorial board of the journal *Soudní lékařství* and the scientific board of the Institute of Forensic Engineering at Brno University of Technology. He is a member of the Association for European Cardiovascular Pathology (AECVP).

Dr. Vojtíšek is the author of a total of 40 peer-reviewed articles (14 of which he authored as the first or corresponding author). In the Web of Science (WoS), he is the author of 15 publications, including 3 as first or corresponding author and 1 as first author in a journal with an impact factor above the median for the given category. The number of citations according to WoS is 83, with a current H-index of 6. Dr. Vojtíšek was a member of the research team for a successful project of the Technology Agency of the Czech Republic (TAČR TL05000028).

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

Evaluation of the applicant's pedagogical experience

Tomáš Vojtíšek began his teaching career in 1999 as an assistant at the Department of Forensic Medicine at the Faculty of Medicine, Masaryk University. The main course he taught was Forensic Medicine for students in General Medicine and Stomatology, later Dentistry. Since 2005, he has been involved in reintroducing the Forensic medicine course for students at the Faculty of Law at Masaryk University. Additional forensic medicine lectures were provided to students at the Police school in Brno. Since 2013, Dr. Vojtíšek has participated in teaching medical law at the Faculty of Law and has supervised 8 successfully defended master's theses by law students at the Department of Criminal Law. He serves as a supervisor and consultant for one active doctoral student. Dr. Vojtíšek has contributed as an author to a total of 20 textbooks and textbook chapters.

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

Habilitation thesis evaluation

The habilitation thesis entitled "The Bayesian Approach in Forensic Medicine" presents a systematic and original work that deals with the methodology of forensic medical conclusions and the possibilities of implementing the Bayesian approach into forensic and expert practice.

This habilitation thesis was reviewed and positively evaluated by three respected experts in the field of forensic and experimental medicine. The submitted thesis addresses the issue of forensic expert activity, focusing on the use of the Bayesian probabilistic approach in formulating expert conclusions. The fundamental principle presented in the thesis is the determination of the weight of forensic evidence by calculating the likelihood ratio using Bayes' theorem, which enables a more sophisticated approach to the formulation of forensic medical conclusions.

The Bayesian approach, commonly used in forensic genetics and other fields, has not yet been systematically applied in forensic medicine in the Czech Republic. The thesis has the potential to significantly influence future expert methodology. The author convincingly identifies the weaknesses of traditional probabilistic language reporting, demonstrates the variability of interpretation, and presents a realistic framework and practical guidance on how to approach Bayesian evaluation of the weight of evidence in disputed forensic medical issues.

All reviewers confirmed the high quality of the habilitation thesis submitted by MUDr. Mgr. Tomáš Vojtíšek, Ph.D.

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

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 professor** of Pathology.

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In Brno on 17.07.2026

prof. MUDr. Markéta Hermanová, Ph.D.

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