

Masaryk University	
Faculty	Faculty of Medicine
Procedure field	Oncology
Applicant	MUDr. Jana Halámková, Ph.D.
Applicant's home unit, institution	Faculty of Medicine, Masaryk University
Habilitation thesis	Personalized Cancer Preventive Care in the Colorectal Cancer Model - Selected Treatment-Prevention Strategies
<u>Board members</u>	
Chair	prof. MUDr. Zdeněk Kala, CSc. <i>Faculty of Medicine, Masaryk University</i>
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Evaluation of the applicant's scholarly/artistic qualifications

Jana Halamkova, MD., PhD. graduated at the Faculty of Medicine of Masaryk University in Brno, Czech Republic, in 1998 with a degree in General Medicine. During her studies, she broadened her clinical experience by pursuing internships in Paris and Dijon, France. She began her clinical career at the Department of Clinical Oncology, Faculty Hospital Brno. From 2002 to 2003 she further expanded her expertise at the Insitute Jules Bordet, Brussels, Belgium. In 2009 she joined the medical team at the Department of Comprehensive Cancer Care at Masaryk Memorial Cancer Institute, where she has been serving since, and she was appointed head of the Cancer Prevention Centre of the Masaryk Memorial Cancer Institute in 2020.

Dr. Halamkova has attained certification in Internal Medicine (2001) and Clinical Oncology (2004). In 2010, he completed her doctoral studies in Oncology, successfully defending the thesis "Clinical significance of the plasminogen activator system in patients with colorectal cancer".

To date, she has authored or co-authored 62 articles published in relevant medical journals. Of these, 27 papers were published in impact factor journals, reflecting a cumulative IF 123,148. Notably, she was the first or corresponding author on nine of these articles, including one in a Q1-ranked journal. The international impact of her work is evidenced by 414 citations, contributing to an H-index of 10 in the Web of Science.

In addition to her research activities, Dr. Halamkova is a co-author of the European Society of Oncology guidelines "Nasopharyngeal carcinoma: ESMO-EURACAN Clinical Practice Guidelines for diagnosis, treatment and follow-up". She is actively involved in the ESMO, serving as an abstract reviewer for the Sarcoma and Rare Cancers Congress. She is also a member of the programme committee for the Brno Oncology Days Congress.

Dr. Halamkova is a co-investigator or team member of three grant projects funded by the Czech Health Research Council. Furthermore, she is involved in a project supported by Czech Science Foundation, and another one supported by Technology Agency of the Czech Republic. Her commitment to oncology research extends internationally through the HORIZON EUROPE - IDEA4RC project, which focuses on intelligent ecosystem to improve the governance, sharing, and re-use of health data for rare cancers (HORIZON-HLTH-2021-TOOL-06-03). She is actively engaged in three international academic studies: STARTER - International Rare Tumor Registry - coordinated by Istituto Nazionale dei Tumori Milan, Italy, TRACKING - Real World European Registry of NTRK fusions and other rare actionable fusions, and CURE51 - ROSALIND - both coordinated by Centre de Lutte Contre de Cancer Léon Bérard, Lyon, France.

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

Evaluation of the applicant's pedagogical experience

Since 2007, Dr. Halamkova has been an instructor at the Faculty of Medicine of Masaryk University in Brno, teaching courses in Clinical Oncology, Internal Medicine and, until 2022 Medical Ethics. In addition to her work at the university, she is a lecturer at the National Centre for Nursing and Non-Medical Health Professions. She has co-authored four monographs, including: Svoboda, Halamkova: "Care of patients after curative oncological treatment" published by Grada, which was awarded the prize of the Presidium of the ČLS JEP (Česká lékařská společnost | Jana Evangelisty Purkyně). She has also contributed as an author or co-author to 52 chapters in the textbooks for undergraduate and postgraduate medical students.

Currently, Dr. Halamkova is supervising three doctoral students in the doctoral study programs of Oncology and Pharmaceutical Medicine.

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

Habilitation thesis evaluation

The habilitation thesis of Jana Halamkova, M.D., Ph.D., "Personalized Cancer Preventive Care in the Colorectal Cancer Model - Selected Treatment-Prevention Strategies", encapsulates her long-standing professional commitment to oncology prevention. This work reflects her systematic, meticulous, and thorough approach to preventive care in oncology, which is a field of significant relevance and crucial impact on public health.

Increasing cancer incidence rates together with advanced oncology treatment and toxicity issues in long-term survivors imposes a non-sustainable burden on health-care system.

Nevertheless, preventive care, particularly in colorectal oncology, is often underestimated in both clinical practice and research, making this thesis especially impactful. Dr. Halamkova's work contributes to the field, with notable findings in secondary prevention and epidemiology. It demonstrates a high level of scientific and research excellence. The thesis effectively integrates clinical and research aspects, employing advanced methodological and logical approaches well-suited to the subject matter. In the context of current health-care issues, this thesis is not only timely but also addresses a critically important topic.

Dr. Halamkova was the principal author of the most of the publications presented in this thesis. She defined the research objectives, methodology, and overall concept, and played a crucial role in the writing process. Her work demonstrates that cancer prevention, particularly in colorectal cancer, should be individualized and reflect the multifactorial etiology of the disease. The thesis underscores the need to integrate prevention into the comprehensive approach that accompanies an individual from the pre-disease stage through the entire course of life.

In conclusion, this thesis provides a significant contribution to the current state of knowledge by advancing the understanding of personalized prevention strategies in colorectal cancer, presenting robust clinical data, and providing a comprehensive analysis of secondary prevention and epidemiology. Dr. Halamkova's work also delivers practical insights that can be directly applied to enhance clinical practice.

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

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 Oncology.

In Brno on 09.10.2024

prof. MUDr. Zdeněk Kala, CSc.