

## DOCTORAL ADMISSION

September 2025 Session

Ph.D. field: Medicine

PhD supervisor: Prof. Dr. Andrea Elena Neculau

### THEMES (THEMES) FOR THE CONTEST

#### **THEME 1: Increasing the Capacity of the primary care team in modern Healthcare Systems**

##### **Content:**

In the context of rapid transformations in health systems – the aging population, the increase in chronic diseases, the digitization of services and the pressure on sustainability – the role of the family doctor and his team is evolving significantly. From being a primary care provider, the family doctor is increasingly becoming a care coordinator, chronic disease manager, community leader and population health facilitator.

##### **The main issues to be addressed:**

Research that addresses topics related to the management of clinical complexity (chronic diseases, multimorbidity, frail patients), personalized prevention and health interventions to support physical, mental and social health of the healthy population and patients (social prescription) as well as the health of medical personnel in primary health care are encouraged.

Research must emphasize interdisciplinarity, highlight translational aspects between levels of healthcare, highlight the active role of the patient and be implementative.

##### **Recommended bibliography:**

- WHO (2021). Operational framework for primary health care: transforming vision into action.
- WONCA Europe (2023). The European Definition of General Practice/Family Medicine.
- WHO (2022) Noncommunicable diseases- Progress monitor
- WHO (2022) A toolkit on how to implement social prescribing
- Peters, David H., et al. "Implementation research: what it is and how to do it." Bmj 347 (2013).

- Hwang S, Birken SA, Melvin CL, Rohweder CL, Smith JD. Designs and methods for implementation research: Advancing the mission of the CTSA program. J Clin Transl Sci. 2020 Mar 4;4(3):159-167. doi: 10.1017/cts.2020.16. PMID: 32695483; PMCID: PMC7348037.
- WHO (2013) Implementation research in Health- A practical guide

**Notes / Preconditions :**

*Relevant professional experience or previous research activity (publications, conferences) may be a major advantage.*

☐ Scientific doctorate (full-time only)

☐ Professional doctorate (full-time or part-time)

☐ with funding from the state budget

☐ with a fee or with financing from sources other than the state budget

**THEME 2: Quality and Performance in Primary Healthcare**

**Content:**

Quality and performance are essential for the proper functioning of the healthcare system, having a direct impact on patient safety, clinical outcomes and patient satisfaction.

**The main aspects to be addressed:**

Research that addresses topics related to quality enhancement in primary healthcare healthcare practice is encouraged, through clinical audits, peer groups, evaluation of accessibility, continuity and coordination of services, evaluation of patient satisfaction and therapeutic relationship, as well as evaluation of communication in medical practice.

Research must emphasize interdisciplinarity, highlight translational aspects between levels of healthcare, highlight the active role of the patient and be implementative.

**Recommended bibliography:**

- WHO (2018) Quality in primary health care
- OECD (2020). Health Care Quality Indicators: Primary Care.
- Royal College of General Practitioners – Quality improvement resources ([www.rcgp.org.uk](http://www.rcgp.org.uk))
- Peters, David H., et al. "Implementation research: what it is and how to do it." Bmj 347 (2013).
- Hwang S, Birken SA, Melvin CL, Rohweder CL, Smith JD. Designs and methods for implementation research: Advancing the mission of the CTSA program. J Clin Transl Sci. 2020 Mar 4;4(3):159-167. doi: 10.1017/cts.2020.16. PMID: 32695483; PMCID: PMC7348037.
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**THEME 3: Modern Technologies in support of the development of Primary Healthcare****Content:**

This theme analyzes the general impact of digitalization and technology on family doctor's practice, including the use of IT platforms, telemedicine, artificial intelligence, point-of-care diagnostic technologies as well as digital monitoring tools.

**The main aspects to be addressed:**

Research that explores the transformation of the doctor-patient relationship in the context of digitalisation and expanded access to point-of-care diagnostic technologies is encouraged. They can target the skills needed by health professionals, the barriers to the implementation of these technologies, as well as their impact on the health status of the population.

Research must emphasize interdisciplinarity, highlight translational aspects between levels of healthcare, highlight the active role of the patient and be implementative.

**Bibliografie recomandată:**

- **Unicef ( 2022). Ghid de telemedicină în asistența medicală primară**
- **WHO (2020). Global strategy on digital health 2020–2025**
- **Kruse, C. S., et al. (2017). Telemedicine use in rural and underserved populations: barriers to access and potential solutions. JMIR.**
- **WHO (2019). mHealth: Use of appropriate digital technologies for public health**
- **Peters, David H., et al. "Implementation research: what it is and how to do it." Bmj 347 (2013).**
- **Hwang S, Birken SA, Melvin CL, Rohweder CL, Smith JD. Designs and methods for implementation research: Advancing the mission of the CTSA program. J Clin Transl Sci. 2020 Mar 4;4(3):159-167. doi: 10.1017/cts.2020.16. PMID: 32695483; PMCID: PMC7348037.**
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**PhD supervisor,**

Prof. dr. Andrea Elena Neculau

Signature

**Coordinator of the doctoral field,**

Prof. dr. Petru IFTENI

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