

Topics for PhD programme admission, 2026-2027

Ph.D. Supervisor: CS I/Prof Dr. Habil. Adrian Bartoș

1. Elements of clinical research in surgery: types of clinical studies, design of the research protocol and ethical principles.
2. The role of diagnostic and interventional imaging in research: imaging methods, perioperative applications and molecular imaging.
3. Experimental models in bio-medical research: classification, design and translational value (in vitro, ex vivo, in vivo, in silico).
4. Nanotechnology in bio-medical research: types of nanoparticles, targeted drug delivery and toxicity.

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- Wible B.C., Diagnostic Imaging: Interventional Radiology. Elsevier, 2022.
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