

Filip Cristian Mureșan

Bucharest, Romania, 2025

EDUCATION

PhD RESEARCH PROGRAM

2024 - Present

Carol Davila University of Medicine and Pharmacy, Faculty of Medicine, Bucharest (Romania)

Victor Babeș National Institute of Pathology, Ultrastructural pathology laboratory – Prof. Dr. Mihaela Gerghiceanu, Bucharest (Romania)

- Thesis title: "Pathogenical Mechanisms in Age Related Amyloidosis"
- Research activity: Exploring the mechanisms of amyloid deposition in murine models and stem cells derived organoids using electron microscopy and mass spectrometry techniques

MEDICAL DOCTOR

2017-2023

Carol Davila University of Medicine and Pharmacy, Faculty of Medicine, Bucharest (Romania)

- Thesis: "*Subtomographic analysis of the influenza virus*"
- Performance bursary in 4 years
- National Residency Exam: 885/950 points (the 93rd place in the national ranking)

ERASMUS+ EXCHANGE PROGRAMME

2021-2022

Università degli Studi di Padova – Scuola di Medicina e Chirurgia, Padova (Italy)

HIGH SCHOOL

2013-2017

Gheorghe Șincai National College, Bucharest (Romania)

- Natural Sciences profile

PROFESSIONAL EXPERIENCE

PATHOLOGY RESIDENT DOCTOR

Jan 2024 - Present

Bucharest University Emergency Hospital, Pathology department, Bucharest (Romania)

- Interests: Dermatopathology, Nephropathology, Molecular Pathology, Digital Pathology

COVID-19 INTENSIVE CARE UNIT VOLUNTEER MEDICAL STUDENT

2020-2021

Marius Nasta National Institute of Pneumology, Bucharest (Romania)

- Providing medical care to SARS-Cov-2 infected patients admitted in the special COVID-19 ICU.

CRYO-ELECTRON MICROSCOPY FELLOWSHIP

2019-2021

Victor Babeș National Institute of Pathology, Ultrastructural pathology laboratory – Prof. Dr. Mihaela Gerghiceanu, Bucharest (Romania)

- Training in cryo-electron microscopy and cryo-electron tomography data acquisition, processing, and interpretation.
- Taking part in the construction of the methodological framework for the first application of subtomogram averaging technique in Romania.
- Studying the morphological variation of the influenza virus in different pH and ionic environments, to evaluate the influences of the ionic medium on the viral life cycle.

LANGUAGES

First language: Romanian

	COMPREHENSION		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Italian	C1	B2	B2	B2	B2
French	A2	A2	A2	A2	A2

DIGITAL SKILLS

- Microsoft Office - *advanced*
- Adobe Photoshop - *advanced*
- Python - *intermediate*
- Cryo-EM data processing: *etomo (IMOD), PEET (IMOD), Relion - advanced*

PRESENTATIONS & AWARDS

1. Rare case report of diffuse pseudoangiomatous stromal hyperplasia associated with breast enlargement in a 24-year-old, The 36th Congress of the European Society of Pathology, Florence (Italy)
 - E-poster awarded with a bursary by the The Scientific Committee
2. A rare case of symptomatic Brunner gland hamartoma in a 24-year-old patient, The 36th Congress of the European Society of Pathology, Florence (Italy)
3. Studies of the Influenza M1-Protein Layer using Subtomogram Averaging, The 13rd National Pathology Symposium of The Victor Babeş Institute, 5-7.11.2020, Bucharest (Romania)
 - YOUNG INVESTIGATOR AWARD - 3rd prize
4. Science Fair Lecturer, The 6th International Medical Students Congress of Bucharest, 23-27.11.2022, Bucharest (Romania)
5. Conformational Changes of the Influenza M1 Protein when Exposed to Environmental K⁺, The 4th International Medical Students Congress of Bucharest, 9-13.12.2020, Bucharest (Romania)
6. Anatomical variant of the splenic artery. Terminal branches, The 30th Congress of the Romanian Society of Anatomy, 16-18.05.2019, Bucharest (Romania)