

Conferences

International Pathology Conference of „Victor Babes” Institute, 2023

Presentation: "A vaccine adenovirus in 3D"

PLEUXUS-Medical Conference, Split, Croatia, 2023

Presentation: "Reconstruction of a COVID-19 vaccine adenovirus from negative stain electron microscopy"

European Conference of Psychiatry and Mental Health "Galatia", 2022

Presentation: "Memoria, dincolo de sinapse"

International Pathology Conference of „Victor Babes” Institute, 2021

Presentation: "Structural biology for beginners: one year progress report"

The Congress of the University of Medicine and Pharmacy "Carol Davila", 2021

Poster: "Structural analysis of a 20S proteasome"

European Conference of Psychiatry and Mental Health "Galatia", 2021

Presentation: "Capiva nanometri de ferecure: neta preceptor la microscopul electronic"; Special Prize

"Victor Babes" National Institute of Pathology Annual Scientific Meeting Symposium and 13th National Pathology Symposium 2020

Presentation: "Identification and 3D reconstruction of alpha 2 macroglobulin- a contaminant of cryo-em samples"; First Prize

International Medical Students Congress of Bucharest 2020

Presentation: "Three dimensional reconstruction of a contaminant protein using the software Relion"; First Prize

European Conference of Psychiatry and Mental Health "Galatia", 2019

Presentation: "Factorul comunal deprimare si deficiutul imunitar-cortizolul"; Special Prize

ANAMARIA TEODORA CIOBOTEA

MICROBIOLOGY RESIDENT DOCTOR, MD

Education

- 2018 - 2024 "Carol Davila" University of Medicine and Pharmacy, Bucharest
Faculty of Medicine
- 2014 - 2018 "Zinca Golescu" National High-School, Pitești
Natural Sciences

Publications

Mini-Review

Ciobotea A-T(2024) Imaging the intermediate stages of viral membrane fusion using cryo-electron tomography. Romanian Archives of Microbiology and Immunology. Volume 83(3):200 (Journal Club).

Abstract

Ciobotea A-T, Chitoiu L, Scutiu C, Dobrica O, Pantazica A-M, Nichita M, Gherghiceanu M, Fertig TE. Structural Analysis of a 20S Proteasome. Congress of „Carol Davila” University of Medicine and Pharmacy, Bucharest, 25-27 Nov 2021. Maedica. Volume 16, Supplement 2021.

Abstract

Ciobotea A-T, Muresan E, Chitoiu L, Tudoreanu C, Serbanescu A, Fertig TE. Structural biology for beginners: one year progress report. International Pathology Conference of „Victor Babes” Institute, Bucharest, Romania, 4-6 Nov 2021. Modern Medicine. Supplement 1/2021.



Skills

Languages

English C1

French A2

Operating systems

Linux, Windows

Laboratory Softwares

ImageJ, IMOD package, Chimera, ChimeraX, RELION, Dynamo, Matlab, Gromacs, Mendeley

Laboratory Skills

DNA Sequencing, PCR, cells and organoids culture, microbiology, laboratory workflow

Experience

- 1 January 2025 - Present **"Cantacuzino" National Institute of Research, Development and Military Medicine**
MICROBIOLOGY RESIDENT DOCTOR
- July 2020 - Present **Ultrastructural Pathology Lab**
"Victor Babeș" National Institute of Pathology, Bucharest
COLLABORATOR
Structural Biology:
3D reconstruction of proteins and viral structures, using cryo-electron microscopy (cryo-EM) or negative-stain (NS-EM) images and tomographic; new protocols implementation;
Cells and organoid culture.
(<https://www.cell-imaging.ro/team>)
- 24 November 2022 **IMSCB**
WORKSHOP TRAINER
Seeing things at the nanoscale". "Victor Babeș" National Institute, during IMSCB (International Medical Student's Congress of Bucharest).
- August 2022 **Research Centre in Molecular Engineering, Universidad Catolica de Santa Maria, Arequipa, Peru**
INTERNSHIP
Evaluation of Physicochemical and Thermodynamic Properties of the GLP-1 Receptor and its Pharmaceutical Analogs
- 15-19 July 2019 **Genetics Lab**
"Victor Babeș" National Institute of Pathology, Bucharest
Summer school
PARTICIPANT
Microarray-based Comparative Genomic Hybridization (aCGH) and cytogenetic techniques.
- April 2018 **International Olympiad of Biology Training Camp "Babeș-Bolyai" University of Cluj-Napoca, Faculty of Biology and Geology**
PARTICIPANT
Training: Genetics, Genetic Engineering, Animal and Botanical Physiology, Animal and Botanical Anatomy, Cellular Biology, Etology, Histology, Ecology, Microbiology.