

# Curriculum Vitae

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## PERSONAL INFORMATION

**Name:** Ghenciu Laura Andreea

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## PROFESSIONAL EXPERIENCE

**12/2024 – Present**

**Specialist in Ophthalmology**

Timișoara County Emergency Clinical Hospital

**01/2019 – 06/2024**

**Resident Physician in Ophthalmology**

Timișoara Municipal Emergency Clinical Hospital

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## ACADEMIC TEACHING ACTIVITY

**09/2025 – Present**

**Lecturer**

**10/2024 – 09/2025**

**Assistant Professor**

**10/2020 – 09/2024**

**Associate Assistant Professor (PhD Candidate)**

“Victor Babeș” University of Medicine and Pharmacy Timișoara

Faculty of Medicine, Romania

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## EDUCATION AND TRAINING

**2012 – 2018**

Medical Student (MD)

“Victor Babeș” University of Medicine and Pharmacy Timișoara

**2008 – 2012**

High School Diploma (Baccalaureate)

Banatean National College, Timișoara

**2000 – 2008**

Lower Secondary Education

Banatean National College, Timișoara

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## PERSONAL SKILLS

### Mother Tongue

Romanian

### Foreign Languages

#### Language Listening Reading Speaking Writing Overall Level

German B2 B2 B1 B1 B1

English C1 C1 B2 B2 C1

Italian A2 A2 A2 A2 A2

German language certification: **ÖSD Examination**

Levels according to the Common European Framework of Reference for Languages (CEFR).

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### Student research supervision

- Involvement in undergraduate research projects and supervision of students' graduation theses
  - "Morphofunctional Evaluation in Glaucomatous Optic Neuropathy." (2024)
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### Examination supervision

- Supervisor – **2024 Medical School Admission Examination**
  - Supervisor – **2024 National Residency Examination**
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### Postgraduate teaching activity

- Invited Lecturer – Postgraduate Course "**Personalised Medicine – BIOSINT,**" "Victor Babeş" University of Medicine and Pharmacy Timișoara, 2025.
- Lecturer – Postgraduate interdisciplinary courses organized by the Discipline of Pathophysiology:
  - **2023:** *Pathophysiology at the Interface Between Specialties*
  - **2024:** *Current Aspects of Pathophysiology, Diagnosis, Prognosis, and Treatment in Various Acute and Chronic Diseases*
  - **2025:** *Current Events in Pathophysiology, Screening, Diagnosis, and Treatment of Acute and Chronic Diseases*

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## Courses

- International Seminar of Corpus Water and Body Fluids, Timișoara, 2014
- National Course of Guidelines in Anesthesiology and Intensive Care, Timișoara, 2015, 2016
- Updates in Diagnosis and Monitoring of Glaucoma Patients, 2015
- Uveitis Course, Ophthalmology Clinic Timișoara, 2019
- OCT Course, Ophthalmology Clinic Timișoara, 2020
- Biometry Course, Ophthalmology Clinic Timișoara, 2021
- Posterior Pole Laser Course, Ophthalmology Clinic Timișoara, 2022
- Cataract Surgery Course, Ophthalmology Clinic Timișoara, 2023

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## Workshops

- UMFT Summer School, 2014
- ADAM Summer School – Anesthesiology and Emergency Medicine, Amsterdam, 2015
- “Knots and Sutures” – SSCR Timișoara (8th edition – participant; 21st edition – observer)
- Digestive Surgical Skills – SSCR Timișoara (1st edition – participant)
- Basic Plastic Surgery Skills, 2015
- “Problem Solving Model as a Unifying Principle of Creativity in Art and Science”, 2016
- UMFT Summer School, 2016

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## Exchange Programs

- Participant – Twinning Project Heidelberg, 2016

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## Conferences

- *Burns Not Only Leave Scars – Burn Patient Management*, Timișoara, 2016
- HEART Timișoara, 2016
- National Conference of Ophthalmology, Timișoara – 2015, 2017, 2019
- Medical Malpractice Conference, Timișoara, 2015

- Coloproctology Congress, Timișoara, 2016
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### **Congresses**

- 6th Congress of the Romanian Society of Cataract and Refractive Surgery & Annual Conference of the Romanian Retina Society, Eforie Nord
  - ESCRS Congress, Amsterdam, 2021
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### **Projects**

- Project Coordinator: “The Right Man in the Right Place – An Ordinary Hero” (EMSA Timișoara)
  - Organizer: National Congress with International Participation CardioCare, Timișoara, 2016
  - Organizer: Integrative Medicine Conference, Timișoara, 2016
  - Organizer: EMSA Freshmen Tour, 2016
  - Member: “First Aid in Schools” Project, EMSA Timișoara
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### **Volunteer Work**

- Tutor – Pathophysiology Discipline, UMFT (2015–2018)
  - Volunteer – Timiș County Ambulance Service
  - Volunteer – EMSA Timișoara
  - Volunteer – Little People Association Timișoara
  - Volunteer – Genetics Discipline, “Victor Babeș” University of Medicine and Pharmacy, Center of Genomics
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### **Doctoral Thesis**

“Morphological Variability of Aberrant Hepatic Arteries Studied Using MDCT Angiography”

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### **Books and Book Chapters Published**

Human Anatomy-Study Guide with Clinical Correlations; Editura Victor Babes, 2025.

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## ISI/BDI Indexed Publications

### Publications as First Author

- Stoicescu, E.R.; Ghenciu, L.A.; Iacob, R.; Ardelean, A.I.; Dăescu, E.; Hațegan, O.A.; Manolescu, D.; Tudorache, E.; Boru, C.; Dima, M. CMV Retinitis in the Context of SARS-CoV-2 Infection: A Case Study and Comprehensive Review of Viral Interactions. *Pathogens* 2024, 13, 938. <https://doi.org/10.3390/pathogens13110938>
2. Toma, D.; Păpurică, M.; Rogobete, A.; Ghenciu, L.A.; Băloi, A.; Bârsac, C.R.; Bedreag, O.H.; Gizea, C.A.; Hațegan, O.A.; Săndesc, D. Integrated Multimodal Strategy to Reduce Healthcare-Associated Infections in a Trauma ICU: Impact of a Quality Improvement Project. *J. Clin. Med.* 2025, 14, 5826. <https://doi.org/10.3390/jcm14165826>
3. Ghenciu, L.A.; Andrei, D.; Borza, C.; Iacob, R.; Stoicescu, E.R.; Bolintineanu, S.L.; Iacob, D.; Hațegan, O.A. Therapeutic Potential of Rho Kinase Inhibitors in Corneal Disease: A Systematic Review of Preclinical and Clinical Studies. *Biomedicines* 2025, 13, 1602. <https://doi.org/10.3390/biomedicines13071602>
4. Prodan-Bărbulescu, C.; Ghenciu, L.A.; Șeclăman, E.; Bujor, G.C.; Enătescu, V.; Danila, A.-I.; Dăescu, E.; Rosu, L.M.; Faur, I.F.; Tuțac, P.; et al. Exploring miRNA Biomarkers in Major Depressive Disorder: A Molecular Medicine Perspective. *Curr. Issues Mol. Biol.* 2024, 46, 10846-10853. <https://doi.org/10.3390/cimb46100644>
5. Ghenciu, L.A.; Dima, M.; Stoicescu, E.R.; Iacob, R.; Boru, C.; Hațegan, O.A. Retinal Imaging-Based Oculomics: Artificial Intelligence as a Tool in the Diagnosis of Cardiovascular and Metabolic Diseases. *Biomedicines* 2024, 12, 2150. <https://doi.org/10.3390/biomedicines12092150>
6. Ghenciu, L.A.; Șișu, A.M.; Stoicescu, E.R.; Dănilă, A.-I.; Iacob, R.; Săndesc, M.-A.; Hațegan, O.A. Thyroid Eye Disease and Glaucoma: A Cross-Sectional Study Comparing Clinical Characteristics and Disease Severity. *Medicina* 2024, 60, 1430. <https://doi.org/10.3390/medicina60091430>
7. Ghenciu, L.A.; Hațegan, O.A.; Stoicescu, E.R.; Iacob, R.; Șișu, A.M. Emerging Therapeutic Approaches and Genetic Insights in Stargardt Disease: A Comprehensive Review. *Int. J. Mol. Sci.* 2024, 25, 8859. <https://doi.org/10.3390/ijms25168859>
8. Ghenciu, L.A.; Hațegan, O.A.; Bolintineanu, S.L.; Dănilă, A.-I.; Iacob, R.; Stoicescu, E.R.; Lupu, M.A.; Olariu, T.R. Human Ocular Toxoplasmosis in Romania: History, Epidemiology, and Public Health: A Narrative Review. *Microorganisms* 2024, 12, 1541. <https://doi.org/10.3390/microorganisms12081541>
9. Ghenciu, L.A.; Hațegan, O.A.; Bolintineanu, S.L.; Dănilă, A.-I.; Faur, A.C.; Prodan-Bărbulescu, C.; Stoicescu, E.R.; Iacob, R.; Șișu, A.M. Immune-Mediated Ocular Surface Disease in Diabetes Mellitus—Clinical Perspectives and Treatment: A Narrative Review. *Biomedicines* 2024, 12, 1303. <https://doi.org/10.3390/biomedicines12061303>
10. Faur, A.C.; Buzaș, R.; Lăzărescu, A.E.; Ghenciu, L.A. Current Developments in Diagnosis of Salivary Gland Tumors: From Structure to Artificial Intelligence. *Life* 2024, 14, 727. <https://doi.org/10.3390/life14060727>
11. Faur, A.C.; Gurban, C.V.; Dăescu, E.; Tîrziu, R.V.; Lazăr, D.C.; Ghenciu, L.A. Mucin-Producing Lobular Breast Carcinoma Metastasis to an Ovarian Fibroma: Histopathological and Immunohistochemical Analysis of a Rare Case and Literature Review. *Diagnostics* 2024, 14, 953. <https://doi.org/10.3390/diagnostics14090953>
12. Dănilă, A.-I.; Ghenciu, L.A.; Stoicescu, E.R.; Bolintineanu, S.L.; Iacob, R.; Săndesc, M.-A.; Faur, A.C. Aldose Reductase as a Key Target in the Prevention and Treatment of Diabetic Retinopathy: A Comprehensive Review. *Biomedicines* 2024, 12, 747. <https://doi.org/10.3390/biomedicines12040747>

13. Rosu, L.M.; Prodan-Bărbulescu, C.; Maghiari, A.L.; Bernad, E.S.; Bernad, R.L.; Iacob, R.; Stoicescu, E.R.; Borozan, F.; Ghenciu, L.A. Current Trends in Diagnosis and Treatment Approach of Diabetic Retinopathy during Pregnancy: A Narrative Review. *Diagnostics* 2024, 14, 369. <https://doi.org/10.3390/diagnostics14040369>
14. Prodan-Bărbulescu, C.; Watz, C.-G.; Moacă, E.-A.; Faur, A.-C.; Dehelean, C.-A.; Faur, F.I.; Grigoriță, L.O.; Maghiari, A.L.; Tuțac, P.; Duță, C.; et al. A Preliminary Report Regarding the Morphological Changes of Nano-Enabled Pharmaceutical Formulation on Human Lung Carcinoma Monolayer and 3D Bronchial Microtissue. *Medicina* 2024, 60, 208. <https://doi.org/10.3390/medicina60020208>
15. Ghenciu, L.A.; Faur, A.C.; Bolintineanu, S.L.; Salavat, M.C.; Maghiari, A.L. Recent Advances in Diagnosis and Treatment Approaches in Fungal Keratitis: A Narrative Review. *Microorganisms* 2024, 12, 161. <https://doi.org/10.3390/microorganisms12010161>
16. Ghenciu LA, Bolintineanu SL, Borcan F, Zahoi E. Surface-modified Polyurethane Structures Used as a Carrier for Simvastatin for the Possible Treatment of Atherosclerosis in Patients with Hepatic Arterial Variations. *Materiale Plastice*. January 2024/
17. Bolintineanu, L.A.; Bolintineanu, S.L.; Iacob, N.; Zăhoi, D.-E. Clinical Consideration of Anatomical Variations in the Common Hepatic Arteries: An Analysis Using MDCT Angiography. *Diagnostics* 2023, 13, 1636. <https://doi.org/10.3390/diagnostics13091636>
18. Bolintineanu LA, Costea AN, Iacob N, Matusz P. Hepato-spleno-mesenteric trunk, in association with an accessory left hepatic artery, and common trunk of right and left inferior phrenic arteries, independently arising from left gastric artery: case report using MDCT angiography. *RJME* 2019
19. Bolintineanu LA, Costea AN, Iacob N, Matusz P, Pusztai A. A gastrosplenic trunk in association with a replaced common hepatic artery arising independently from the superior mesenteric artery: A case report using multidetector computed tomography angiography. *Jassi* 2019
20. Alexandra Corina Faur, Laura Andreea Ghenciu, Camelia Vidița Gurban, Daniela Cornelia Lazăr. Unusual Fungal Species in Routine Cervicovaginal Papanicolaou Smears. *Clin. Exp. Obstet. Gynecol.* 2023, 50(8), 157. <https://doi.org/10.31083/j.ceog5008157>
21. Bolintineanu LA, Stoicescu ER, Iacob R, Iacob N, Bolintineanu SL, Zahoi E. Hepatic arterial variations detected at multidetector computer tomography angiography in the Romanian population. *Folia Morphologica* 2023
22. Replaced right hepatic artery originated from splenic artery, in association with gastrosplenic trunk: a case report. *RJME* 2020
23. Artificial intelligence as a noninvasive tool for pancreatic cancer prediction and diagnosis  
Faur AC, Lazar DC, Ghenciu LA. Artificial intelligence as a noninvasive tool for pancreatic cancer prediction and diagnosis. *World J Gastroenterol* 2023; 29(12): 1811-1823 [PMID: 37032728 DOI: 10.3748/wjg.v29.i12.1811]
24. Ghenciu, L.A.; Grigoras, M.L.; Rosu, L.M.; Bolintineanu, S.L.; Sima, L.; Cretu, O. Differentiating Liver Metastases from Primary Liver Cancer: A Retrospective Study of Imaging and Pathological Features in Patients with Histopathological Confirmation. *Biomedicines* 2025, 13, 164. <https://doi.org/10.3390/biomedicines13010164>
25. Petrea, C.E.; Ghenciu, L.A.; Iacob, R.; Stoicescu, E.R.; Săndesc, D. Vitamin D Deficiency as a Risk Factor for Diabetic Retinopathy: A Systematic Review and Meta-Analysis. *Biomedicines* 2025, 13, 68. <https://doi.org/10.3390/biomedicines13010068>

26. Mederle, A.L.; Andrei, D.; Ghenciu, L.A.; Stoicescu, E.R.; Iacob, R.; Hațegan, O.A. Comparative Efficacy of Platelet-Rich Plasma, Autologous Serum, and Artificial Tears in Dry Eye Disease: A Systematic Review and Meta-Analysis. *Biomedicines* **2025**, *13*, 2316. <https://doi.org/10.3390/biomedicines13092316>

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### Publications as Co-Author

1. Mișu, A.G.; Lighezan, R.; Oatis, D.A.; Mederle, O.A.; Petrino-Mocanu, C.; Petrescu, C.; Prisca, M.E.; Ghenciu, L.A.; Avram, C.R.; Lupu, M.A.; et al. A Severe Case of Plasmodium falciparum Malaria in a 44-Year-Old Caucasian Woman on Return to Western Romania from a Visit to Nigeria. *Life* **2024**, *14*, 1454. <https://doi.org/10.3390/life14111454>
2. Prodan-Bărbulescu, C.; Faur, F.I.; Varga, N.-I.; Hajjar, R.; Pașca, P.; Ghenciu, L.-A.; Feier, C.I.V.; Dema, A.; Fărcaș, N.; Bolintineanu, S.; et al. A Histopathological and Surgical Analysis of Gastric Cancer: A Two-Year Experience in a Single Center. *Cancers* **2025**, *17*, 2219. <https://doi.org/10.3390/cancers17132219>
3. Roșu, A.-I.; Andrei, D.; Ghenciu, L.A.; Bolintineanu, S.L. Hydrocephalus: Molecular and Neuroimaging Biomarkers in Diagnosis and Management. *Biomedicines* **2025**, *13*, 1511. <https://doi.org/10.3390/biomedicines13071511>
4. Iacob, R.; Iacob, E.R.; Stoicescu, E.R.; Manolescu, D.; Ghenciu, L.A.; Căprariu, R.; Constantinescu, A.; Ciobanu, I.; Bardan, R.; Cumpănaș, A. Radiologic Assessment of Periprostatic Fat as an Indicator of Prostate Cancer Risk on Multiparametric MRI. *Bioengineering* **2025**, *12*, 831. <https://doi.org/10.3390/bioengineering12080831>
5. Stolojanu, C.; Doros, G.; Bratu, M.L.; Ciobanu, I.; Munteanu, K.; Iacob, E.R.; Ghenciu, L.A.; Stoicescu, E.R.; Dima, M. COVID-19 and Its Potential Impact on Children Born to Mothers Infected During Pregnancy: A Comprehensive Review. *Diagnostics* **2024**, *14*, 2443. <https://doi.org/10.3390/diagnostics14212443>
6. Iacob, R.; Manolescu, D.; Stoicescu, E.R.; Cerbu, S.; Bardan, R.; Ghenciu, L.A.; Cumpănaș, A. The Diagnostic Value of bpMRI in Prostate Cancer: Benefits and Limitations Compared to mpMRI. *Bioengineering* **2024**, *11*, 1006. <https://doi.org/10.3390/bioengineering11101006>
7. Roșu, C.D.; Bratu, M.L.; Stoicescu, E.R.; Iacob, R.; Hațegan, O.A.; Ghenciu, L.A.; Bolintineanu, S.L. Cardiovascular Risk Factors as Independent Predictors of Diabetic Retinopathy in Type II Diabetes Mellitus: The Development of a Predictive Model. *Medicina* **2024**, *60*, 1617. <https://doi.org/10.3390/medicina60101617>
8. Prodan-Bărbulescu, C.; Alin, C.D.; Faur, I.F.; Bujor, G.C.; Șeclăman, E.P.; Enătescu, V.; Dănilă, A.-I.; Dăescu, E.; Hajjar, R.; Ghenciu, L.A.; et al. Identification of Specific Plasma miRNAs as Potential Biomarkers for Major Depressive Disorder. *Biomedicines* **2024**, *12*, 2165. <https://doi.org/10.3390/biomedicines12102165>
9. Daescu, E.; Enache, A.; Stan, E.; Bolintineanu, S.L.; Ghenciu, L.A.; Faur, A.C.; Pusztai, A.M.; Zahoi, D.E. Double Anterior Interventricular Arteries: Prevalence and Morphological Types—A Dissection Study. *J. Pers. Med.* **2024**, *14*, 1007. <https://doi.org/10.3390/jpm14091007>
10. Faur, A.C.; Șișu, A.M.; Ghenciu, L.A.; Iacob, R.; Stoicescu, E.R.; Hațegan, O.A.; Cornianu, M. Clinical and Morphological Aspects of Aggressive Salivary Gland Mixed Tumors: A Narrative Review. *Diagnostics* **2024**, *14*, 1942. <https://doi.org/10.3390/diagnostics14171942>

11. Iacob, R.; Iacob, E.R.; Stoicescu, E.R.; Ghenciu, D.M.; Cocolea, D.M.; Constantinescu, A.; Ghenciu, L.A.; Manolescu, D.L. Evaluating the Role of Breast Ultrasound in Early Detection of Breast Cancer in Low- and Middle-Income Countries: A Comprehensive Narrative Review. *Bioengineering* 2024, 11, 262. <https://doi.org/10.3390/bioengineering11030262>
12. Prodan-Bărbulescu, C.; Şeclăman, E.P.; Enătescu, V.; Faur, I.F.; Ghenciu, L.A.; Tuţac, P.; Paşca, P.; Grigoriţă, L.O. Evaluating the Connection between MicroRNAs and Long Non-Coding RNAs for the Establishment of the Major Depressive Disorder Diagnosis. *Biomedicines* 2024, 12, 516. <https://doi.org/10.3390/biomedicines12030516>
13. Stoicescu, E.R.; Iacob, R.; Ilie, A.C.; Iacob, E.R.; Susa, S.R.; Ghenciu, L.A.; Constantinescu, A.; Cocolea, D.M.; Oancea, C.; Manolescu, D.L. Differentiating Viral from Bacterial Pneumonia in Children: The Diagnostic Role of Lung Ultrasound—A Prospective Observational Study. *Diagnostics* 2024, 14, 480. <https://doi.org/10.3390/diagnostics14050480>
14. Iacob, E.R.; Iacob, R.; Ghenciu, L.A.; Popoiu, T.-A.; Stoicescu, E.R.; Popoiu, C.M. Small Scale, High Precision: Robotic Surgery in Neonatal and Pediatric Patients—A Narrative Review. *Children* 2024, 11, 270. <https://doi.org/10.3390/children11030270>
15. Stoicescu, E.R.; Iacob, R.; Iacob, E.R.; Ghenciu, L.A.; Oancea, C.; Manolescu, D.L. Tiny Lungs, Big Differences: Navigating the Varied COVID-19 Landscape in Neonates vs. Infants via Biomarkers and Lung Ultrasound. *Biomedicines* 2024, 12, 425. <https://doi.org/10.3390/biomedicines12020425>
16. Stoicescu, E.R.; Iacob, R.; Ilie, A.C.; Iacob, E.R.; Susa, S.R.; Ghenciu, L.A.; Constantinescu, A.; Cocolea, D.M.; Ciornei-Hoffman, A.; Oancea, C.; et al. Stratifying Disease Severity in Pediatric COVID-19: A Correlative Study of Serum Biomarkers and Lung Ultrasound—A Retrospective Observational Dual-Center Study. *Diagnostics* 2024, 14, 440. <https://doi.org/10.3390/diagnostics14040440>
17. Stoicescu, E.R.; Lovrenski, J.; Iacob, R.; Cerbu, S.; Iacob, D.; Iacob, E.R.; Susa, S.R.; Ciuca, I.M.; Bolintineanu, L.A.; Ciornei-Hoffman, A.; et al. COVID-19 in Infants and Children under 2 Years—Could Lung Ultrasound Score Be Correlated with Biomarkers and Symptoms? *Biomedicines* 2023, 11, 2620. <https://doi.org/10.3390/biomedicines11102620>
18. Lazarescu AE , Hogeia BG , Andor BC, Totorean A, Cojocaru DG, Negru M, Bolintineanu LA, Patrascu Jnr JM, Misca LC, Sandesc MA, Patrascu Snr JM . Using a Double Syringe Sterile System for MSK Aspiration/Injection Procedures Eliminates Risk of Iatrogenic Infection. *Dove Press* 2022
19. Andrei, D.; Mederle, A.L.; Ghenciu, L.A.; Borza, C.; Faur, A.C. Efficacy of Neurorehabilitation Approaches in Traumatic Brain Injury Patients: A Comprehensive Review. *Life* 2025, 15, 503. <https://doi.org/10.3390/life15030503>