**Curriculum Vitae**

**Name:** Laura Andreea Ghenciu

**Professional Experience**

* **Ophthalmologist Specialist**  
  *11 June 2024 – Present*  
  *Spitalul Clinic Municipal de Urgență, Timișoara, Romania*
* **Ophthalmology Resident**  
  *1 January 2019 – 10 June 2024*  
  *Spitalul Clinic Municipal de Urgență, Timișoara, Romania*
* **Assistant Professor**  
  *1 October 2024 – Present*  
  *UMF Victor Babeș, Faculty of Medicine, Timișoara, Romania*
* **Associate Assistant Professor (PhD Candidate)**  
  *1 October 2020 – 20 September 2024*  
  *UMF Victor Babeș, Faculty of Medicine, Timișoara, Romania*

**Education and Academic Achievements**

* **Doctor in Medicine**  
  *13 November 2023*  
  *Title:* *Morphological Variability of Aberrant Hepatic Arteries (Replaced and Accessory) Studied Using MDCT Angiography*  
  *UMF Victor Babeș, Timișoara, Romania*
* **Medical Doctor (MD)**  
  *2012 – 2018*  
  *UMF Victor Babeș, Faculty of Medicine, Timișoara, Romania*
* **High School Diploma**  
  *2008 – 2012*  
  *Colegiul Național Bănățean, Timișoara, Romania*

**Languages**

* **Romanian** (Native)
* **English** (C1 – Proficient)
* **German** (B2 – Upper Intermediate)
* **Italian** (A2 – Basic)

**Scientific Publications**

**Author**

1. 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. Prodan-Bărbulescu, C.; **Ghenciu, L.A**.; Şeclăman, E.; Bujor, G.C.; Enătescu, V.; Danila, A.-I.; Dăescu, E.; Rosu, L.M.; Faur, I.F.; Tuţac, 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>
3. **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>
4. **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>
5. **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>
6. **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>
7. **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>
8. 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>
9. 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>
10. 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>
11. 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>
12. Prodan-Bărbulescu, C.; Watz, C.-G.; Moacă, E.-A.; Faur, A.-C.; Dehelean, C.-A.; Faur, F.I.; Grigoriţă, L.O.; Maghiari, A.L.; Tuţac, P.; Duţă, 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>
13. **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>
14. **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/
15. **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>
16. 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
17. 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
18. Alexandra Corina Faur, **Laura Andreea Ghenciu**, Camelia Vidiţa 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>
19. 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
20. Replaced right hepatic artery originated from splenic artery, in association with gastrosplenic trunk: a case report. RJME 2020
21. 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](http://www.ncbi.nlm.nih.gov/pubmed/37032728) DOI: [10.3748/wjg.v29.i12.1811](https://dx.doi.org/10.3748/wjg.v29.i12.1811)]
22. **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>
23. 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

**Co-author**

1. Mihu, A.G.; Lighezan, R.; Oatis, D.A.; Mederle, O.A.; Petrine-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. 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>
3. 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>
4. Roşu, 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>
5. Prodan-Bărbulescu, C.; Alin, C.D.; Faur, I.F.; Bujor, G.C.; Şeclăman, 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>
6. 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>
7. 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>
8. 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>
9. 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>
10. 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>
11. 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>
12. 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
13. 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>
14. 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>
15. Lazarescu AE , Hogea 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
16. 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

**Training, Courses, and Workshops**

* *International Seminar on Corpus Water and Body Fluids*, Timișoara (2014)
* *National Course on Guidelines in Anesthesia and Intensive Care*, Timișoara (2015–2016)
* Specialized Courses in Ophthalmology: Uveitis (2019), OCT (2020), Biometry (2021), Posterior Laser Techniques (2022), Cataract Surgery (2023)
* Workshops on surgical skills, problem-solving in science and art, and emergency medicine.

**Conferences and Congresses**

* *ESCRS Congress*, Amsterdam (2021)
* *National Ophthalmology Conference*, Timișoara (2015, 2017, 2019)
* *Romanian Society of Cataract and Refractive Surgery Congress*
* Numerous national and international medical conferences on ophthalmology and general medicine.

**Volunteer Work**

* **Teaching:**
  + Tutor in Pathophysiology, UMF Victor Babeș (2015–2018)
  + Volunteer at the Genetics Department and Genomics Center at UMF Victor Babeș
* **Community Involvement:**
  + Volunteer at Serviciul de Ambulanță Județeană Timiș
  + Member of EMSA Timișoara

**Projects and Leadership Roles**

* Coordinator: *The Right Man in the Right Place – An Ordinary Hero* (EMSA Timișoara)
* Organizer: *National CardioCare Congress* and *Medical Integration Conference* (2016)
* Leadership roles in EMSA Timișoara, including organizing academic and outreach events.

**Professional Skills**

* Advanced knowledge in ocular imaging techniques, including OCT, ultrasound
* Skilled in scientific writing and publication
* Experienced in leading workshops and academic projects.