

INFORMAȚII PERSONALE

Marcu Lavinia



📍 Timisoara, Timis, Romania

ORCID: <https://orcid.org/0000-0003-2125-5419>

EXPERIENȚA PROFESIONALĂ

Septembrie 2024 – prezent

Asistent Universitar

Universitatea de Medicină și „Farmacie Victor Babeș” din Timișoara

2024 – prezent

Medic specialist – Nefrologie

Spitalul Clinic Județean de Urgență „Pius Brînzeu” – Blv. Liviu Rebreanu, 156, cod postal 200756, Timișoara, Timiș

Policlinica Bastion – str. Mircea cel Batrân, nr. 122c, Timișoara, Timiș

Epicardio – str. Divizia 9 Cavalerie, nr. 75, Timișoara, Timiș

2019 – 2023

Medic rezident - Nefrologie

Spitalul Clinic Județean de Urgență „Pius Brînzeu” – Blv. Liviu Rebreanu, 156, cod postal 200756, Timișoara, Timiș

Acumulare de noțiuni teoretice și experiență clinică

Februarie 2016 – Mai 2016

Ghid

Expoziția „Our Body” – Universul Interior

Prezentarea rapoartelor anatomice a unor corpuri umane platificate, diversilor vizitatori ai expoziției (populația generală, grupuri de elevi/studenti)

EDUCAȚIE ȘI FORMARE

2020-2024

Doctor în Medicină

Școala doctorală – Universitatea de Medicină și Farmacie „Victor Babeș” din Timișoara. Domeniul: Medicină Generală

2023

Diplomă de excelență pentru cercetarea și activitatea în cadrul Școlii Doctorale

Școala doctorală – Universitatea de Medicină și Farmacie „Victor Babeș” din Timișoara

2012-2019

Studii universitare - Diplomă de Licență: Provocări în terapia bolii Parkinson în stadii avansate

Universitatea de Medicină și Farmacie „Victor Babeș” din Timișoara
Domeniul: Medicină Generală

2009-2012

Studii liceale - Diplomă de Bacalaureat

Colegiul Național „Elena Ghiba-Birta” – Arad, România

▪ Profil: Matematică-Informatică, intensiv Informatică

COMPETENTE PERSONALE

Limba maternă Română

Limbi străine

Limba engleză

INTELEGERE		VORBIRE		SCRIERE
Ascultare	Citare	Participare la conversație	Discurs oral	
B2	C1	C1	C1	C1

Competențe dobândite la locul de muncă

- Abordarea interdisciplinară a pacientului
- Verificare și monitorizare semne vitale
- Evaluarea pacientului prin examen obiectiv
- Diagnosticarea afecțiunilor din sfera nefrologica
- Dezvoltare de strategii terapeutice adecvate
- Administrare tratament medical
- Interpretare date paraclinice

Competențe digitale

AUTOEVALUARE				
Procesarea informației	Comunicare	Creare de conținut	Securitate	Rezolvarea de probleme
Utilizator independent	Utilizator independent	Utilizator independent	Utilizator independent	Utilizator independent

Alte competențe

- Abilitatea de a munci in echipa
- Capabilitatea de a prioritiza si efectua sarcini multiple concomitent
- Atenție la detalii
- Abilitatea de organizare si optimizare a timpului

Permis de conducere

B

INFORMATII SUPLIMENTARE
Publicații in extenso

1. Pătruică, MR., Gădălean, F., Vlad, A., Sturza, A., Jianu, D. C., **Balint, L.**, Ienciu, S., Petrica, L., Muntean, D. M., & Socaciu, C. (2021). Metabolomics in Chronic Kidney Diseases: Here to Stay. *Timisoara Medical Journal*, 2020(2), 1. <https://doi.org/10.35995/tmj20200208>
2. Petrica, L., Hogeia, E., Gadalean, F., Vlad, A., Vlad, M., Dumitrascu, V., Velciov, S., Gluhovschi, C., Bob, F., Ursoniu, S., Jianu, D. C., Matusz, P., Pusztai, A. M., Motoc, A., Cretu, O. M., Radu, D., Milas, O., ... **Balint, L.**, Popescu, R. (2021). Long noncoding RNAs may impact podocytes and proximal tubule function through modulating mirnas expression in early diabetic kidney disease of type 2 diabetes mellitus patients. *International Journal of Medical Sciences*, 18(10), 2093–2101. <https://doi.org/10.7150/ijms.56551> (IF 3.69)
3. **Balint, L.**, Socaciu, C., Socaciu, A. I., Vlad, A., Gadalean, F., Bob, F., Milas, O., Cretu, O. M., Suteanu-Simulescu, A., Glavan, M., Ienciu, S., Mogos, M., Jianu, D. C., & Petrica, L. (2023a). Metabolite Profiling of the Gut–Renal–Cerebral Axis Reveals a Particular

- Pattern in Early Diabetic Kidney Disease in T2DM Patients. *International Journal of Molecular Sciences*, 24(7), 6212. <https://doi.org/10.3390/ijms24076212> (IF 5.6)
4. Glavan, M. R., Socaciu, C., Socaciu, A. I., Gadalean, F., Cretu, O. M., Vlad, A., Muntean, D. M., Bob, F., Milas, O., Suteanu, A., Jianu, D. C., Stefan, M., **Balint, L.**, Ienciu, S., & Petrica, L. (2023). Untargeted Metabolomics by Ultra-High-Performance Liquid Chromatography Coupled with Electrospray Ionization-Quadrupole-Time of Flight-Mass Spectrometry Analysis Identifies a Specific Metabolomic Profile in Patients with Early Chronic Kidney Disease. *Biomedicines*, 11(4). <https://doi.org/10.3390/biomedicines11041057> (IF 4.7)
 5. Mogos, M., Socaciu, C., Socaciu, A. I., Vlad, A., Gadalean, F., Bob, F., Milas, O., Cretu, O. M., Suteanu-Simulescu, A., Glavan, M., Ienciu, S., **Balint, L.**, Jianu, D. C., & Petrica, L. (2023). Metabolomic Investigation of Blood and Urinary Amino Acids and Derivatives in Patients with Type 2 Diabetes Mellitus and Early Diabetic Kidney Disease. *Biomedicines*, 11(6), 1527. <https://doi.org/10.3390/biomedicines11061527> (IF 4.7)
 6. Petrica, L., Vlad, A., Gadalean, F., Muntean, D. M., Vlad, D., Dumitrascu, V., Bob, F., Milas, O., Suteanu-Simulescu, A., Glavan, M., Jianu, D. C., Ursoniu, S., **Balint, L.**, Mogos-Stefan, M., Ienciu, S., Cretu, O. M., & Popescu, R. (2023). Mitochondrial DNA Changes in Blood and Urine Display a Specific Signature in Relation to Inflammation in Normoalbuminuric Diabetic Kidney Disease in Type 2 Diabetes Mellitus Patients. *International Journal of Molecular Sciences*, 24(12), 9803. <https://doi.org/10.3390/ijms24129803> (IF 5.6)
 7. **Balint, L.**, Socaciu, C., Socaciu, A. I., Vlad, A., Gadalean, F., Bob, F., Milas, O., Cretu, O. M., Suteanu-Simulescu, A., Glavan, M., Ienciu, S., Mogos, M., Jianu, D. C., & Petrica, L. (2023b). Quantitative, Targeted Analysis of Gut Microbiota Derived Metabolites Provides Novel Biomarkers of Early Diabetic Kidney Disease in Type 2 Diabetes Mellitus Patients. *Biomolecules*, 13(7), 1086. <https://doi.org/10.3390/biom13071086> (IF 5.5)
 8. **Balint, L.**, Socaciu, C., Socaciu, A. I., Vlad, A., Gadalean, F., Bob, F., Milas, O., Cretu, O. M., Suteanu-Simulescu, A., Glavan, M., Ienciu, S., Mogos, M., Jianu, D. C., Ursoniu, S., Dumitrascu, V., Vlad, D., Popescu, R., & Petrica, L. (2023). Metabolites Potentially Derived from Gut Microbiota Associated with Podocyte, Proximal Tubule, and Renal and Cerebrovascular Endothelial Damage in Early Diabetic Kidney Disease in T2DM Patients. *Metabolites*, 13(8), 893. <https://doi.org/10.3390/metabo13080893> (IF 4.1)
 9. Petrica, L.; Gadalean, F.; Muntean, D.M.; Jianu, D.C.; Vlad, D.; Dumitrascu, V.; Bob, F.; Milas, O.; Suteanu-Simulescu, A.; Glavan, M.; Ursoniu, S.; **Balint, L.**, et al. Mitochondrial DNA and Inflammation Are Associated with Cerebral Vessel Remodeling and Early Diabetic Kidney Disease in Patients with Type 2 Diabetes Mellitus. *Biomolecules* 2024, 14, 499. <https://doi.org/10.3390/biom14040499> (IF 5,5)
 10. Mogos, M.; Socaciu, C.; Socaciu, A.I.; Vlad, A.; Gadalean, F.; Bob, F.; Milas, O.; Cretu, O.M.; Suteanu-Simulescu, A.; Glavan, M...**Balint, L.**; et al. Biomarker Profiling with Targeted Metabolomic Analysis of Plasma and Urine Samples in Patients with Type 2 Diabetes Mellitus and Early Diabetic Kidney Disease. *J. Clin. Med.* 2024, 13, 4703. <https://doi.org/10.3390/jcm13164703>

Abstracte la congrese internaționale

1. Patruică, M., Bina, A., Avram, V., Vlad, A., **Balint L.**, Ienciu, S., Socaciu, C., Petrica, L., Muntean, D., Impairment of Platelet Mitochondrial respiration in Patients with Non-Diabetic Chronic Kidney Disease: a Pilot Study, at the 7th MEETING OF THE EUROPEAN SECTION AND 8th MEETING OF THE NORTH AMERICAN SECTION OF THE INTERNATIONAL ACADEMY OF CARDIO-VASCULAR SCIENCES, Banka Luka, 20-23 September 2021
2. Golea, AE., Gadalean, F., Vlad, A., Vlad, M., Victor, D., Vlad, D., Velciov, S., Cristina, G., Bob, F., Ursoniu, S., Jianu, C., Matusz, P., Pusztai, A., Andrei, M., Cretu, O., Milas, L. O., Simulescu, A., Maria, M.-S., **Balint, L.**, ... Petrica, L. (2021). MO635PRO-INFLAMMATORY CYTOKINES IL-6 AND IL-17 DISPLAY A PARTICULAR MOLECULAR PATTERN IN ASSOCIATION WITH DYSREGULATED MIRNAS IN PATIENTS WITH TYPE 2 DIABETES MELLITUS IN THE EARLY STAGES OF DIABETIC KIDNEY DISEASE. *Nephrology Dialysis Transplantation*, 36(Supplement_1). <https://doi.org/10.1093/ndt/gfab094.003> (IF 6,1)
3. Suteanu-Simulescu, A., Ica, R., Sarbu, M., Munteanu, C., Gadalean, F., Vlad, A., Velciov, S., Anca Gluhovschi, C., Bob, F., Jianu, C., Cretu, O., Oana Milas, L., Mogos, M., Patruica, M., **Balint, L.**, Silvia, I., Diana Zamfir, A., & Petrica, L. (2022). MO635: Early

- Diabetic Kidney Disease in Type 2 Diabetes Mellitus Patients is Associated with A Particular Ganglioside Profile, Identified by High-Resolution Tandem Mass Spectrometry: A Pilot Study. *Nephrology Dialysis Transplantation*, 37(Supplement_3). <https://doi.org/10.1093/ndt/gfac076.028> (IF 6,1)
4. **Balint, L.**, Socaciu, C., Socaciu, A., Vlad, A., Gadalean, F., Bob, F., Milas, L. O., Suteanu-Simulescu, A., Glavan, M., Ienciu, S., Cretu, O., Mogos, M., Jianu, D., & Petrica, L. (2023). #4941 A METABOLOMIC FINGERPRINT PERSPECTIVE OF GUT-DERIVED METABOLITES ON EARLY DIABETIC KIDNEY DISEASE IN TYPE 2 DIABETES MELLITUS PATIENTS. *Nephrology Dialysis Transplantation*, 38(Supplement_1). https://doi.org/10.1093/ndt/gfad063c_4941 (IF 6,1)
 5. Glavan, M., Gadalean, F., Socaciu, C., Socaciu, A., Cretu, O., Vlad, A., Muntean, D., Bob, F., Milas, L. O., Suteanu-Simulescu, A., Jianu, D., **Balint, L.**, Mogos, M., Ienciu, S., & Petrica, L. (2023). #5040 UNTARGETED METABOLOMIC ANALYSIS IDENTIFIES A SPECIFIC METABOLOMIC PROFILE IN PATIENTS WITH EARLY CHRONIC KIDNEY DISEASE. *Nephrology Dialysis Transplantation*, 38(Supplement_1). https://doi.org/10.1093/ndt/gfad063c_5040 (IF 6,1)
 6. Mogos, M., Socaciu, C., Socaciu, A., Vlad, A., Gadalean, F., Bob, F., Milas, L. O., Cretu, O., Suteanu-Simulescu, A., Glavan, M., **Balint, L.**, Silvia, I., Jianu, C., & Petrica, L. (2023). #5736 IDENTIFICATION AND CHARACTERIZATION OF URINARY AND SERUM AMINOACIDS IN DIABETIC KIDNEY DISEASE PATIENTS USING MS-HPLC. *Nephrology Dialysis Transplantation*, 38(Supplement_1). https://doi.org/10.1093/ndt/gfad063c_5736 (IF 6,1)
 7. Petrica, L., Vlad, A., Gadalean, F., Muntean, D., Vlad, D., Dumitrascu, V., Bob, F., Milas, L. O., Suteanu-Simulescu, A., Glavan, M., Jianu, C., Ursoniu, S., **Balint L.**, Mogos, M., Ienciu, S., Cretu, O., & Popescu, R. (2023). #2853 MITOCHONDRIAL DNA DEREGULATED PATTERN PARALLELS INFLAMMATION IN EARLY DIABETIC KIDNEY DISEASE OF TYPE 2 DIABETES MELLITUS PATIENTS. *Nephrology Dialysis Transplantation*, 38(Supplement_1). https://doi.org/10.1093/ndt/gfad063c_2853 (IF 6,1)
 8. **Balint, L.**, Socaciu, S., Socaciu, A., Vlad, A., Gadalean, F., Bob, F., Suteanu-Simulescu, A., Glavan, M., Ienciu, S., Mogos, M., Iancu, L., Petrica, L. #1554 The association between gut-derived metabolites and biomarkers of renal and cerebro-vascular damage in type 2 diabetes mellitus patients, *Nephrology Dialysis Transplantation*, Volume 39, Issue Supplement_1, May 2024, gfae069–1058–1554, <https://doi.org/10.1093/ndt/gfae069.1058>
 9. Suteanu-Simulescu, A., Zamfir, A.D., Sarbu, M., Ica, R., Gadalean, F., Vlad, A., Bob, F., Glavan, M., **Balint, L.**, Ienciu, S., Iancu, L., Petrica, L. #1669 Gangliosides as biomarkers for early diagnosis of diabetic kidney disease: detection and characterization by high-performance mass spectrometry, *Nephrology Dialysis Transplantation*, Volume 39, Issue Supplement_1, May 2024, gfae069–1055–1669, <https://doi.org/10.1093/ndt/gfae069.1055>
 10. Milas O., Petrica, L., Gadalean, F., Popescu, R., Vlad, D., Marian, C., Bob, F., Suteanu-Simulescu, A., Mogos, M., Glavan, M., Ienciu, S., **Balint, L.** #1831 Circulating MiRNA 195-5p may be associated with early renal impairment in patients with prediabetes, *Nephrology Dialysis Transplantation*, Volume 39, Issue Supplement_1, May 2024, gfae069–1752–1831, <https://doi.org/10.1093/ndt/gfae069.1752>
 11. Glavan, M., Socaciu, S., Socaciu, A., Gadalean, F., Vlad, A., Muntean, D., Bob, F., Suteanu-Simulescu, A., **Balint, L.**, Ienciu, S., Iancu, I., Petrica, L., #2194 Targeted metabolomics analysis identifies a specific metabolomic profile in patients with early chronic kidney disease. *Nephrology Dialysis Transplantation*, Volume 39, Issue Supplement_1, May 2024, gfae069–0464–2194, <https://doi.org/10.1093/ndt/gfae069.464>
 12. Gadalean, F., Milas, O., Suteanu-Simulescu A., Glavan M., Ienciu S., Mogos M., **Balint L.**, Kigyosi, R., Gluhovschi, C., Bob, F., Schiller, A., Petrica, L., #1858 Delirium among patients admitted to a Nephrology ward-risk factors and association with short-term outcomes: an observational prospective cohort study. *Nephrology Dialysis Transplantation*, Volume 39, Issue Supplement_1, May 2024, gfae069–1782–1858, <https://doi.org/10.1093/ndt/gfae069.1782>

Prezentări la manifestări științifice

1. **Prezentare abstract – 60th European Renal Association Congress, Milano, Italia:** **Balint, L.**, Socaciu, C., Socaciu, A., Vlad, A., Gadalean, F., Bob, F., Milas, L. O., Suteanu-Simulescu, A., Glavan, M., Ienciu, S., Cretu, O., Mogos, M., Jianu, D., & Petrica,

L. (2023). #4941 A METABOLOMIC FINGERPRINT PERSPECTIVE OF GUT-DERIVED METABOLITES ON EARLY DIABETIC KIDNEY DISEASE IN TYPE 2 DIABETES MELLITUS PATIENTS.

- Peer Review**
1. Sage Open Journal (august - noiembrie 2023)
 2. Clinical Epidemiology Journal – Dove Medical Press (octombrie 2023)

- Participări la conferințe**
- 2016 – Conferința de Medicină Integrativă – MedIntegra, Timișoara, România
- 2017 – NeuroGROW – Heart, Timișoara, România
- 2019 – Al 16-lea Congres Român de Flebologie, Timișoara, România
- 2022 – A 7-a Conferință NefroCarDia, Timișoara, România
- 2023 – Al 60-lea Congres European Renal Association, Milano, Italia
- 2024 – Al 61-lea Congres European Renal Association, Stockholm, Suedia (participare online)