

PERSONAL INFORMATION

Marcu Lavinia



Timisoara, Timis, Romania

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PROFESSIONAL EXPERIENCE

September 2024 – present

Assistant Professor

University of Medicine and Pharmacy „Victor Babeș” Timișoara – Faculty of Medicine

2024 – present

Nephrology specialist doctor

County Emergency Hospital „Pius Brînzeu” – str. Liviu Rebreanu, 156, 200756, Timișoara, Timiș
Bastion – Outpatient Clinic – str. Mircea cel Bătrân, nr. 122c, Timișoara, Timiș
Epicardio – str. Divizia 9 Cavalerie, nr. 75, Timișoara, Timiș

2019 – 2023

Nephrology resident doctor

County Emergency Hospital „Pius Brînzeu” – str. Liviu Rebreanu, 156, 200756, Timișoara, Timiș

February 2016 – May 2016

Guide

„Our Body” Exhibition – The universe within

Presentation of plastified human's bodies anatomical structures, to the visitors of the exhibition (general population, groups of students)

EDUCAȚIE ȘI FORMARE

2020-2024

Doctor of Medicine

PhD School – „Victor Babeș” University of Medicine and Pharmacy from Timișoara.
Domain: General Medicine

2023, 2024

Excellence Diploma for research and academic activity

PhD School – „Victor Babeș” University of Medicine and Pharmacy from Timișoara.
Domain: General Medicine

2012-2019

University studies – Therapy challenges in advanced stages of Parkinson's Disease

University of Medicine and Pharmacy „Victor Babeș” Timișoara – Faculty of Medicine
Domain: General Medicine

2009-2012

Bacalaureate Diploma

„Elena Ghiba-Birta” College – Arad, România

▪ Profile: Matemathcis-Informatics

PERSONAL COMPETENCE

Maternal Language Romanian

Foreign languages

	UNDERSTANDING		SPEAKING		WRITING
	LISTENING	READING	CONVERSATION	ORAL SPEECH	
English	B2	C1	C1	C1	C1

Workplace aquired competences

- Interdisciplinary approach of the patient
- Vital signs checking and monitoring
- Patient evaluation by performing physical exam
- Diagnosis of nephrological conditions
- Development of appropriate therapeutic strategies
- Administration of medical treatment
- Interpretation of laboratory data

Digital Competences

AUTOEVALUATION				
PROCESSING INFORMATION	COMUNICATI ON	CONTENT CREATION	SECURITY	PROBLEM SOLVING
Independent user	Elementary user	Independent user	Independent user	Independent user

Other competences

- Teamwork
- Multitasking
- Attention to details
- Ability to organize and optimize work time

Driving licence B

ADDITIONAL INFORMATION

Scientific publication

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., Hoge, 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>

Abstracts

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 RENAL AND CEREBO-VASCULAR DAMAGE 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>

Focussed orals

1. **Focused oral presentation – 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)

- Conferences**
- 2016 – MedIntegra, Timișoara, România
- 2017 – NeuroGROW – Heart, Timișoara, România
- 2019 – The 16th Romanian Congress of Phlebology, Timișoara, România
- 2022 – The 7th NefroCarDia Conference, Timișoara, România
- 2023 – The 60th European Renal Association Congress, Milano, Italia
- 2024 – The 61th European Renal Association Congress, Stockholm, Suedia (online)