



Anca Suteanu

MD PhD

Work Experience

Assistant Professor, "Victor Babeş" University of Medicine and Pharmacy, Timișoara, Department VII: Internal Medicine II – University Clinic of Nephrology

September 2018 - Present

Teaching Activity

Senior Consultant in Nephrology, County Emergency Clinical Hospital "Pius Brînzeu," Timișoara

December 2024 - Present

Medical Activity

Senior Consultant in Nephrology, Nefrolab Dialysis Center, Lugoj – B. Braun Avitum

October 2024 - Present

Medical Activity

Senior Consultant in Nephrology, Bastion Medical Clinic, Timisoara

October 2024 - Present

Medical Activity

Specialist Physician in Nephrology, County Emergency Clinical Hospital Timișoara (on-call contract and volunteer work), Bastion Medical Clinic, Nefrolab Dialysis Center Lugoj

2019 - 2024

Education

Senior Consultant Diploma in Nephrology (OMS 4454/03.09.2024)

September 2024

Philosophiae Doctor (PhD) - Medicine , Doctoral School – "Victor Babeş" University of Medicine and Pharmacy, Timișoara (PhD title obtained with Magna cum Laude distinction)

2016 - 2023

Title: „Identification and characterization of glycosphingolipids as urinary biomarkers in diabetic kidney disease. A study based on high-resolution mass spectrometry coupled with nanoelectrospray technique”,

Scientific Coordinator: Prof. Univ. Dr. Ligia Petrica

Completion of the Postgraduate Psychopedagogical Studies Program, Level I & II, Department for Teacher Training – West University of Timișoara

2018 - 2019

Specialist Physician Diploma in Nephrology (OMS 1566/20.12.2018)

December 2018

Nephrology Resident Physician, County Emergency Clinical Hospital "Pius Brînzeu," Timișoara

2015 - 2018

Personal Info

anca.simulescu@umft.ro

[Redacted] Timisoara,

300041, Romania

Nationality

Romana

Driving License

B

Skills

Competency in Abdominal Ultrasonography (May 2021 – "Victor Babeş" University of Medicine and Pharmacy, Timișoara)

Communication skills acquired through participation in various workshops, interpersonal understanding abilities, and the capacity for quick integration into a new team.

Skills in Various Laboratory Techniques (ELISA, PCR, Western Blot, Mass Spectrometry)

Study Scholarship awarded by "Johann Wolfgang Goethe" University of Medicine, Frankfurt (July – August 2010), and Scholarship granted by the German Consulate (August – September 2007)

Languages

German _ C1

English - B2

Medical Activity

Graduation from the Faculty of General Medicine; Diploma Thesis Defense, "Victor Babeş" University of Medicine and Pharmacy, Timișoara

2008 - 2014

Thesis Title: *"Incidence and Therapeutic Management of Suppurative Complications in Acute Non-Specific Tonsillitis"*. **Scientific**

Coordinator: Prof. Dr. Mărioara Poenaru.

High School Graduation Certificate, Baccalaureate Diploma, "Nikolaus Lenau" Theoretical High School, Timișoara

2004 - 2008

Natural Sciences Section

Courses

Deutsches Sprachdiplom der Kulturministerkonferenz – Zweite Stufe, Niveaustufe C 1 (2008)

Certificate of Professional Competence – Linguistic Proficiency in Native German (2008)

Certificate of Linguistic Proficiency in English (West University of Timișoara) – Level B2, West University of Timișoara

Certificate of Linguistic Proficiency in French (West University of Timișoara) – Level B2, West University of Timișoara

Member of the Romanian Society of Nephrology

2015 - Present

Member of the European Dialysis and Transplant Association (ERA-EDTA)

2016 - Present

Molecular Research Center for Nephrology and Vascular Pathology (MOL-NEFRO-VASC)

Hobbies

2016 - 2020 – Phase 3, randomized, open-label active-controlled study evaluating the efficacy and safety of oral akb-6548 for the maintenance treatment of anemia in subjects with non-dialysis-dependent chronic kidney disease (ndd-ckd) (co-investigator)

2016 - A Phase 3 Randomized, Open-label (Sponsor-blind), Active-controlled, Parallel-group, Multi-center, Event Driven Study in Non-dialysis Subjects With Anemia Associated With Chronic Kidney Disease to Evaluate the Safety and Efficacy of Daprodustat Compared to Darbepoetin Alfa (co-investigator)

2016 – 2019 Characterization of patient profile and contemporary treatment of pre-dialytic chronic kidney disease (CKD) in patients receiving a restricted protein diet supplemented with Ketosteril – a drug utilization study (DUS) (co investigator).

- As first author and co-author with equal contributions

1. Suteanu-Simulescu A, Sarbu M, Ica R, Petrica L, Zamfir AD. Ganglioside analysis in body fluids by liquid-phase separation techniques hyphenated to mass spectrometry. *Electrophoresis*. 2023 Mar;44(5-6):501-520. doi: 10.1002/elps.202200229. (IF-2.9). <https://1210qejej-y-https-jcr-clarivate-com.z.e-nformation.ro/jcr-jp/journal-profile?journal=ELECTROPHORESIS&year=2022>
2. Suteanu-Simulescu A, Zamfir AD, Ica R, Sarbu M, Munteanu CVA, Gadalean F, Vlad A, Bob F, Jianu DC, Petrica L. High-Resolution Tandem Mass Spectrometry Identifies a Particular Ganglioside Pattern in Early Diabetic Kidney Disease of Type 2 Diabetes Mellitus Patients. *Molecules* 2022, 27(9):2679. doi: 10.3390/molecules27092679. (IF-4.6) <https://1210qelp4-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000796136700001>
3. Ica R, Simulescu A*, Sarbu M, Munteanu CVA, Vukelić Ž, Zamfir AD. High resolution mass spectrometry provides novel insights into the ganglioside pattern of brain cavernous hemangioma. *Anal Biochem*. 2020 Nov 15;609:113976. doi: 10.1016/j.ab.2020.113976 (FI 3.365) <https://1210qejej-y-https-jcr-clarivate-com.z.e-nformation.ro/jcr-jp/journal-profile?journal=ANAL%20BIOCHEM&year=2022>

- As a co-author

1. Balint Lavinia, Socaciu Carmen, Socaciu Andreea Iulia, Vlad Adrian, Gadalean Florica, Bob Flaviu, Milas Oana, Cretu Octavian Marius, Suteanu-Simulescu Anca, Glavan Mihaela, Ienciu Silvia, Mogos Maria, Jianu Dragos Catalin, Ursoniu Sorin, Dumitrascu Victor, Vlad Daliborca, Popescu, Roxana, Petrica Ligia. 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* 2023; 13(8): 893. DOI:10.3390/metabo13080893 (IF 4.1)
2. Balint Lavinia, Socaciu Carmen, Socaciu Andreea Iulia, Vlad Adrian, Gadalean Florica, Bob Flaviu, Milas Oana, Cretu Octavian Marius, Suteanu-Simulescu Anca, Glavan Mihaela, Ienciu Silvia, Mogos Maria, Jianu Dragos Catalin, Petrica Ligia. Quantitative, Targeted Analysis of Gut Microbiota Derived Metabolites Provides Novel Biomarkers of Early Diabetic Kidney Disease in Type 2 Diabetes Mellitus Patients. *Biomolecules* 2023; 13(7): 1086. DOI: 10.3390/biom13071086 (IF 5.5) <https://1210qej6y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001038046800001>
3. Mogos Maria, Socaciu Carmen, Socaciu Andreea Iulia, Vlad Adrian, Gadalean Florica, Bob Flaviu, Milas Oana, Cretu Octavian Marius, Suteanu-Simulescu Anca, Glavan Mihaela, Ienciu Silvia, Balint Lavinia, Jianu Dragos Catalin, Petrica Ligia. Metabolomic Investigation of Blood and Urinary Amino Acids and Derivatives in

Patients with Type 2 Diabetes Mellitus and Early Diabetic Kidney Disease. *Biomedicine* 2023; 11(6):1527.

DOI:10.3390/biomedicines11061527 (IF 4.7) <https://1210qe6y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:001016952000001>

4. Petrica Ligia, Vlad Adrian, Gadalean Florica, Muntean Danina Mirela, Vlad Daliborca, Dumitrascu Victor, Bob Flaviu, Milas Oana, Suteanu-Simulescu Anca, Glavan Mihaela, Jianu Dragos Catalin, Ursoniu Sorin, Balint Lavinia, Mogos-Stefan Maria, Ienciu, Silvia, Cretu Octavian Marius, Popescu Roxana. 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* 2023; 24(12): 9803.

DOI:10.3390/ijms24129803 (IF 5.6) <https://1210qe6ej-y-https-jcr-clarivate-com.z.e-nformation.ro/jcr-jp/journal-profile?journal=INT%20J%20MOL%20SCI&year=2022>

5. Glavan Mihaela-Roxana, Socaciu Carmen, Socaciu Andreea Iulia, Gadalean Florica, Cretu Octavian M, Vlad Adrian, Muntean Danina M, Bob Flaviu, Milas Oana, Suteanu Anca, Jianu Dragos Catalin, Stefan Maria, Balint Lavinia, Ienciu Silvia, Petrica, Ligia. 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. *Biomedicine* 2023; 11 (4): 1057. DOI:10.3390/biomedicines11041057 (IF 4,7) <https://1210qe6y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000979066900001>

6. Gadalean Florica, Ciorcan Mircea, Apostol Adrian, Schiller Oana, Ivan Viviana, Petrica Ligia, Bob Flaviu, Milas Oana, Simulescu Anca, Glavan Mihaela, Parv Florina, Timar Bogdan, Timar Romulus, Schiller Adalbert. Cancer before and after the start of hemodialysis and association with mortality - an Eastern-European multicenter study. *Renal Failure* 2023; 45(1):2232046. DOI: 10.1080/0886022X.2023.2232046 (IF 3) <https://1210qe6ej-y-https-jcr-clarivate-com.z.e-nformation.ro/jcr-jp/journal-profile?journal=RENAL%20FAILURE&year=2022>

7. Florica Gadalean, Florina Parv, Ligia Petrica, Ioan Sporea, Bogdan Timar, Cristina Gluhovschi, Flaviu Bob, Oana Milas, Anca Simulescu, Mihaela Patruica, Lazar Chisavu, Ciorcan Mircea, Adalbert Schiller, Mirela Danila. Rapid Decline of Estimated Glomerular Filtration Rate and Its Effect on Mortality Risk of Patients with Hepatocellular Carcinoma. *Hepat Mon.* 2023;23(1):e133853. <https://doi.org/10.5812/hepatmon-133853>. (IF 0.6) <https://1210qe6ej-y-https-jcr-clarivate-com.z.e-nformation.ro/jcr-jp/journal-profile?journal=HEPAT%20MON&year=2022>

Vlad, Florica Gadalean, Flaviu Bob, Oana Milas, Octavian Marius Cretu, Anca Suteanu-Simulescu, Mihaela Glavan, Silvia Ienciu, Maria Mogos, Dragos Catalin Jianu, Ligia Petrica. Metabolite Profiling of the GutRenal-Cerebral Axis Reveals a Particular Pattern in Early Diabetic Kidney Disease in T2DM Patients. *Int J Mol Sci* 2023;24(7):6212. doi: 10.3390/ijms24076212. (IF 5.6)

<https://1210qej6y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000969862900001>

9. Gadalean F, Parv F, Milas O, Petrica L, Ratiu I, Miutescu B, Goldis A, Gluhovschi C, Bob F, Simulescu A, Patruica M, Apostol A, Ivan V, Radu D. Acute kidney injury after endoscopic retrograde cholangiopancreatography-A hospital-based prospective observational study. *Biomedicines* 2022; 10:3166;

doi.org/10.3390/biomedicines10123166 10.1002/elps.202200229. (IF 4.7) <https://1210qej6y-y-https-www-webofscience-com.z.e-nformation.ro/wos/woscc/full-record/WOS:000900691000001>

10. Petrica L, Hogeia E, Gadalean F, Vlad A, Vlad M, Dumitrascu V, Velciov S, Gluhovschi C, Bob F, Ursoniu S, Jianu DC, Matusz P, Puzstai AM, Motoc A, Cretu OM, Radu D, Milas O, GoleaSecara A, Simulescu A, Mogos-Stefan M, Patruica M, Balint L, Ienciu S, Vlad D, Popescu R. 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. *Int J Med Sci*. 2021 Mar 15;18(10): 2093-2101. doi:

10.7150/ijms.56551. eCollection 2021. PMID: 33859515. (IF-3.642) <https://1210qeje-j-y-https-jcr-clarivate-com.z.e-nformation.ro/jcr-jp/journal-profile?journal=INT%20J%20MED%20SCI&year=2022>

11. Alina Golea-Secara, Cristian Munteanu, Mirela Sarbu, Octavian M Cretu, Silvia Velciov, Adrian Vlad, Flaviu Bob, Florica Gadalean, Cristina Gluhovschi, Oana Milas, Anca Simulescu, Maria Mogos-Stefan, Mihaela Patruica, Ligia Petrica*, Alina D Zamfir. Urinary proteins detected using modern proteomics intervene in early diabetic kidney disease - a pilot study. *Biomark Med* 2020; doi: 10.2217/bmm-2020-0308. (IF 2.851) <https://1210qeje-j-y-https-jcr-clarivate-com.z.e-nformation.ro/jcr-jp/journal-profile?journal=BIOMARK%20MED&year=2022>

12. Milas Oana, Gadalean Florica, Vlad A, Dumitrascu V, Velciov Silvia, Gluhovschi Cristina, Bob F, Petrica F, Popescu Roxana, Ursoniu S, Jianu DC, Matusz P, Puzstai Agneta-Maria, Secara Alina, Simulescu Anca, Stefan Maria, Patruica Mihaela, Vlad Daliborca, Petrica Ligia. Proinflammatory cytokines are associated with podocyte damage and proximal tubular dysfunction in the early stage of diabetic kidney disease in type 2 diabetes mellitus patients. *J Diab Complic* 2020; 34: 107479

(<http://doi.org/10.1016/j.jdiacomp.2019.107479>). (IF 2.852)

<https://1210qeje-j-y-https-jcr-clarivate-com.z.e-nformation.ro/jcr->

13. Petrica Ligia, Pusztai Agneta-Maria, Vlad Mihaela, Vlad A, Gadalean Florica, Dumitrascu V, Vlad Daliborca, Velciov Silvia, Gluhovschi Cristina, Bob F, Ursoniu S, Petrica M, Matusz P, Cretu O, Radu D, Milas O, Secara Alina, Simulescu Anca, Popescu Roxana & Jianu DC. MiRNA Expression is Associated with Clinical Variables Related to Vascular Remodeling in the Kidney and the Brain in Type 2 Diabetes Mellitus Patients. *Endocrine Research*, 2019; doi: 10.1080/07435800.2019.1690505. (IF-1.72) <https://1210qejej-y-https-jcr-clarivate-com.z.e-nformation.ro/jcr-jp/journal-profile?journal=ENDOCR%20RES&year=2022>
14. Petrica Ligia, Milas Oana, Vlad Mihaela, Vlad Adrian, Gadalean Florica, Dumitrascu V, Velciov Silvia, Gluhovschi Cristina, Bob F, Ursoniu S, Jianu DC, Matusz P, Pusztai Agneta-Maria, Cretu O, Radu Daniela, Secara Alina, Simulescu Anca, Stefan Maria, Popescu Roxana, Vlad Daliborca. Interleukins and miRNAs intervene in the early stages of diabetic kidney disease in Type 2 diabetes mellitus patients. *Biomarkers in Medicine* 2019; 13(18):1577-1588 (<https://www.futuremedicine.com/doi/10.2217/bmm-2019-0124>). (IF-2.479) <https://1210qejej-y-https-jcr-clarivate-com.z.e-nformation.ro/jcr-jp/journal-profile?journal=BIOMARK%20MED&year=2022>
15. Milas Oana, Gadalean Florica, Vlad A, Dumitrascu V, Gluhovschi Cristina, Gluhovschi Gh., Velciov Silvia, Popescu Roxana, Bob F, Matusz P, Pusztai Agneta-Maria, Cretu O.M., Secara Alina, Simulescu Anca, Ursoniu S, Vlad Daliborca, Petrica Ligia. Deregulated profiles of urinary micro-RNAs may explain podocyte injury and proximal tubule dysfunction in normoalbuminuric patients with type 2 diabetes mellitus. *J Investig Med* 2018; 66(4):747-754. doi: 10.1136/jim-2017-000556. (IF- 1.994) <https://1210qejej-y-https-jcr-clarivate-com.z.e-nformation.ro/jcr-jp/journal-profile?journal=J%20INVEST%20MED&year=2022>
16. Petrica Ligia, Sorin Ursoniu, Florica Gadalean, Adrian Vlad, Gheorghe Gluhovschi, Victor Dumitrascu, Daliborca Vlad, Cristina Gluhovschi, Silvia Velciov, Flaviu Bob, Petru Matusz, Oana Milas, Alina Secara, Anca Simulescu, Roxana Popescu. Urinary podocyte-associated mRNA levels correlate with proximal tubule dysfunction in early diabetic nephropathy of type 2 diabetes mellitus. *Diabetology and Metabolic Syndrome* 2017; 9:31-43 DOI: 10.1186/s13098-017-0228-y. (IF-2.413)
17. Vlad A, Vlad Mihaela, Petrica Ligia, Ursoniu S, Gadalean Florica, Popescu Roxana, Vlad Daliborca, Dumitrascu V, Gluhovschi Gh, Gluhovschi Cristina, Velciov Silvia, Bob F, Matusz P, Secara Alina, Simulescu Anca, Jianu DC. Therapy with atorvastatin versus rosuvastatin reduces urinary podocytes, podocyte-associated molecules, and proximal tubule dysfunction biomarkers in patients with Type 2 diabetes mellitus: a pilot study. *Renal Failure* 2017; 39(1): 112-119; doi: 10.1080/0886022X.2016.1254657. (IF-1.44)

Awards

1. Suteanu-Simulescu A, Zamfir AD, Ilea R, Sarbu M, Munteanu CVA, Gadalean F, Vlad A, Bob F, Jianu DC, Petrica L. High-Resolution Tandem Mass Spectrometry Identifies a Particular Ganglioside Pattern in Early Diabetic Kidney Disease of Type 2 Diabetes Mellitus Patients. *Molecules* 2022, 27, 2679.

<https://doi.org/10.3390/molecules27092679>. Lucrare premiată UEFISCDI (cod depunere in competiție: PN-IV-P2-2.3- PRECISI-2023- 82671).

2. Petrica L, Hogeia E, Gadalean F*, Vlad A, Vlad M, Dumitrascu V, Velciov S, Gluhovschi C, Bob F, Ursoniu S, Jianu DC, Matusz P, Pusztai AM, Motoc A, Cretu OM, Radu D, Milas O, Golea-Secara A, Simulescu A, Mogos-Stefan M, Patruica M, Balint L, Ienciu S, Vlad D, Popescu R. 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. *Int J Med Sci.* 2021;18(10):2093-2101 (IF=3.738) Lucrare premiată UEFISCDI (cod depunere in competiție: PN3-P1-1.1- PRECISI-2021-64674).

Clarivate's Web of Science (ISI): h-index: 8, 171 citări