



Alexandru Florin Rogobete

Data nașterii: 20/04/1991 | **Locul nașterii:** România | **Cetățenie:** română | **Site de internet:** www.alexrogobete.ro | **Site de internet:** www.cdep.ro | **Facebook:** [rogobete.alex](https://www.facebook.com/rogobete.alex) | **LinkedIn:** [rogobetealex](https://www.linkedin.com/in/rogobetealex) | **ORCID:** <https://orcid.org/0000-0003-1286-4431> | **Researcher ID:** F-4334-2014 | **Scopus ID:** 56979298600

EXPERIENȚA PROFESIONALĂ

MINISTERUL SĂNĂTĂȚII – BUCUREȘTI, ROMÂNIA

MINISTRUL SĂNĂTĂȚII – 06/2025 – ÎN CURS

CAMERA DEPUTAȚILOR - PARLAMENTUL ROMÂNIEI – BUCUREȘTI, ROMÂNIA

PREȘEDINTE - COMISIA PENTRU SĂNĂTATE ȘI FAMILIE – 12/2024 – 06/2025

CAMERA DEPUTAȚILOR - PARLAMENTUL ROMÂNIEI – BUCUREȘTI, ROMÂNIA

DEPUTAT – 12/2024 – ÎN CURS

UNIVERSITATEA DE MEDICINA SI FARMACIE "VICTOR BABES", FACULTATEA DE MEDICINA – TIMISOARA, ROMÂNIA

ASISTENT UNIVERSITAR – 08/2020 – ÎN CURS

Suspendat pe perioada mandatului de ministru al sănătății

MINISTERUL SĂNĂTĂȚII – BUCUREȘTI, ROMÂNIA

SECRETAR DE STAT – 14/02/2023 – 24/12/2024

MINISTERUL SĂNĂTĂȚII – BUCUREȘTI, ROMÂNIA

Site de internet www.ms.ro

CONSILIER MINISTRU – 02/12/2021 – 13/02/2023

MINISTERUL SANATATII – BUCURESTI, ROMÂNIA

CONSILIER SECRETAR DE STAT – 07/2020 – 31/12/2020

SPITALUL CLINIC JUDETEAN DE URGENTA "PIUS BRINZEU" TIMISOARA – TIMISOARA, ROMÂNIA

Site de internet www.hosptm.ro

MEDIC - ANESTEZIE SI TERAPIE INTENSIVA – 12/2019 – 2021

Suspendat

EUROPEAN SOCIETY OF ANAESTHESIA (ESA) – BRUSSELS, BELGIA

Site de internet www.esahq.org

RESEARCH MENTOR – 08/2017 – ÎN CURS

GE HEALTHCARE LCS EEAST EUROPE – BUCHAREST, ROMÂNIA

Site de internet www.ge.com

CLINICAL EDUCATION SPECIALIST – 02/2019 – 12/2019

GE HEALTHCARE ROMANIA – BUCHAREST, ROMÂNIA

Site de internet www.ge.com



CLINICAL INTERN – 01/2016 – 02/2019

EDUCAȚIE ȘI FORMARE PROFESIONALĂ

2016 – 2024 Timisoara, România

DOCTOR ÎN MEDICINĂ Facultatea de Medicină, Universitatea de Medicină și Farmacie "Victor Babeș"

Site de internet www.umft.ro

2012 – 2019 Timisoara, România

DIPLOMĂ DE LICENȚA - DOCTOR MEDIC Facultatea de Medicină, Universitatea de Medicină și Farmacie "Victor Babeș"

Site de internet www.umft.ro

08/2021 – 07/2022 Timisoara, România

STUDII DE MASTERAT - MANAGEMENTUL SERVICIILOR SOCIALE ȘI DE SĂNĂTATE Universitatea de Medicină și Farmacie "Victor Babeș" Timișoara

Site de internet www.umft.ro

2012 – 2015 Timisoara, România

STUDII DE MASTERAT ÎN CHIMIE Facultatea de Chimie, Biologie, Geografie, Universitatea de Vest din Timișoara

Site de internet www.uvt.ro

2009 – 2013 Timisoara, România

DIPLOMA DE LICENȚĂ Facultatea de Chimie, Biologie, Geografie, Universitatea de Vest din Timișoara

Site de internet www.uvt.ro

2020 – 2021

EXPERT ACHIZIȚII PUBLICE Euro Best Team

Adresă <https://www.eurobestteam.ro/>

2020 – 2021

EXPERT ACCESARE FONDURI EUROPENE Euro Best Team

Adresă <https://www.eurobestteam.ro/>

COMPETENȚE LINGVISTICE

Limbă(i) maternă(e): **ROMÂNĂ**

Altă limbă (Alte limbi):

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehensiune orală	Citit	Exprimare scrisă	Conversație	
ENGLEZĂ	B2	B2	B2	B2	B2

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

REȚELE ȘI AFILIERI

Romanian Society of Anaesthesia and Intensive Care (SRATI);

European Respiratory Society (ERS);



PROIECTE

Proiecte de dezvoltare cu fonduri internationale

1. Responsabil Expert Tehnic, Spitalul Clinic Județean de Urgență "Pius Brînzeu" Timișoara, „Creșterea capacității administrative și de reacție în situația de urgență generată de COVID – 19 în Spitalul Clinic Județean de Urgență „Pius Brînzeu” Timișoara – Acronim CAPACOV”, Cod MySms: 139640, Martie 2020 - Iulie 2022;
2. Expert Tehnic, Spitalul Clinic Județean de Urgență "Pius Brînzeu" Timișoara, Procedurile de achiziții publice în cadrul programului Acțiuni Prioritare ATI (AP-ATI), 2021 - Prezent;
3. Expert politici publice, Ministerul Sănătății, Crearea cadrului strategic și operațional pentru planificarea și reorganizarea la nivel național și regional a serviciilor de sănătate, Axa Administrație publică și sistem judiciar eficiente, Cod apel: POCA/513/1/1/Dezvoltarea și introducerea de sisteme și standarde comune în administrația publică ce optimizează procesele decizionale orientate către cetățeni și mediul de afaceri în concordanță cu SCAP, Cod MySms: 129165, Decembrie 2021 - Octombrie 2022
4. Reprezentant Cabinet Ministru, Ministerul Sănătății, OMS 2932/27.12.2021, Grupul de lucru pentru pregătirea implementării și monitorizării, activităților pe domeniul specific de activitate din Planul Național de Redresare și Reziliență (PNRR) - Componenta 7 Transformare digitală (C7), I3. Realizarea sistemului de eHealth și telemedicină
5. Reprezentant Cabinet Ministru, Ministerul Sănătății, OMS 404/17.02.2022, Constituirea unităților de implementare și monitorizare a proiectelor responsabile de implementarea Reformelor cuprinse în Planul Național de Redresare și Reziliență din domeniul Sănătății.
6. Membru Grup Tehnic de Lucru (GTL), OMS 2148/11.07.2022, Constituirea grupului tehnic de lucru din cadrul Ministerului Sănătății responsabil de pregătirea documentației tehnice pentru derularea achiziției a 12 unități mobile de terapie intensivă neonatală din cadrul Planul Național de Redresare și Reziliență
7. Membru Grup Tehnic de Lucru (GTL), OMS865/22.03.2022, Constituirea grupurilor tehnice de lucru din cadrul Ministerului Sănătății și a instituțiilor din domeniul sănătății responsabile de pregătirea documentației tehnice pentru derularea achizițiilor din cadrul Planul Național de Redresare și Reziliență
8. Membru, OMS3841/2022, Comisia de evaluare a proiectelor depuse în cadrul investiției specifice I.1.3. Unități de asistență medicală ambulatorie din cadrul Planului Național de Redresare și Reziliență al României (PNRR)
9. Membru, OMS3840/2022, Comisia de evaluare a proiectelor depuse în cadrul investiției I.2. Dezvoltarea infrastructurii spitalicești publice din cadrul Planului Național de Redresare și Reziliență al României (PNRR)
10. Membru, OMS3839/2022, Comisia de evaluare a proiectelor depuse în cadrul investiției specifice I.2.4. Echipamente și materiale destinate reducerii riscului de infecții nosocomiale din cadrul Planului Național de Redresare și Reziliență al României (PNRR)

CONSILIU DE ADMINISTRATIE

01/2022 – 09/2022

Membru - Consiliu de Administratie

OMS 261/04.02.2022 - Ordin de numire:

- Membru - Reprezentant Ministerul Sănătății: Consiliul de administrație al Spitalului Clinic de Urgență "Bagdasar Arseni" București

10/2022 – ÎN CURS

Presedinte - Consiliu de Administratie

OMS 261/04.02.2022 - Ordin de numire:

- Presedinte - Reprezentant Ministerul Sănătății: Consiliul de administrație al Spitalului Clinic de Urgență "Bagdasar Arseni" București

01/01/2022 – ÎN CURS

Președinte - Consiliu de Administratie

OMS 261/04.02.2022 - Ordin de numire:

- Presedinte - Reprezentant Ministerul Sănătății: Consiliul de administrație al Spitalului Clinic de Urgență pentru Copii "Grigore Alexandrescu" București

01/2022 – ÎN CURS

Membru - Consiliu de Administratie

**OMS 261/04.02.2022 - Ordin de numire:**

- Membru - Reprezentant Ministerul Sănătății: Consiliul de administrație al Institutului National de Geriatrie si Gerontologie "Ana Aslan" Bucuresti

PROIECTE DE CERCETARE CLINICA

|

1. Member - "Acces to a better water in the HU-RO cross-border region", HURO/0901/126/2.2.3, Network to overcome common issues with regard to the management of water quality in the cross-border area" Netecowat, Hungary-Romania, Cross-Border Co-operation, Programme 2007-2013;
2. Member - „Dezvoltarea de registre electronice nationale in domeniul tehnicilor de supteeextracorporealaafunctiilorvitale”, ATICER07/2016,SocietateaRomanadeAnestezie Terapie Intensiva Competitia anuala de granturi de cercetare a Societatii Romane de Anestezie Terapie Intensiva – editia 2016, 2016 – 2018.
3. Study Coordinator-ROEntropy-RomanianClinicalTrialsNetwork-SRATI, ClinicalTrials.gov Identifier: NCT03210077
4. Study Coordinator - Modulation of General Anesthesia Using Entropy and Surgical Pleth Index (ESPTR), ClinicalTrials.govIdentifier:NCT03095430
5. Study Coordinator - Oxidative Stress Expression and Metabolic Imbalance in Critically Ill Polytrauma Patients and the Implications of Antioxidant Therapy on Clinical Outcomes (OSPOL), ClinicalTrials.gov Identifier: NCT03218280

MEMBRU ÎN BIROURI EDITORIALE

2014 – 2017

Editorial board member - Biochemical Genetics

Biochemical Genetics, Springer International Publishing AG

2015 – 2022

Scientific Advisory Board - Clinical Laboratory

Clinical Laboratory, Clinical Laboratory Publications GmbH

2016 – ÎN CURS

Scientific Advisory Board - European Journal of Trauma and Emergency Surgery

European Journal of Trauma and Emergency Surgery, Springer International Publishing AG

2016 – ÎN CURS

Scientific Advisory Board - The Journal of Critical Care Medicine

The Journal of Critical Care Medicine, De Gruyter Publishing

2014 – ÎN CURS

Editorial board member - The Journal of Interdisciplinary Medicine

The Journal of Interdisciplinary Medicine, De Gruyter Publishing

2018 – ÎN CURS

Scientific Advisory Board - Scientific Reports – Nature

Scientific Reports – Nature, Nature International Publishing

07/2022 – ÎN CURS

Review Editor - Frontiers in Anesthesiology

Review Editor on the Editorial Board of Critical Care Anesthesiology - Frontiers in Anesthesiology Journal

2019 – 2021

Guest Editor of Special Issue - Diagnostics

"Multimodal Diagnostic Methods in Sepsis in the Critically Ill Patients"



A special issue of *Diagnostics* (ISSN 2075-4418).

Link https://www.mdpi.com/journal/medicina/special_issues/general_anesthesia

2019 – 2021

Guest Editor of Special Issue - Medicina

"General Anesthesia as a Multimodal Individualized Clinical Concept"

A special issue of *Medicina* (ISSN 1648-9144)

Link https://www.mdpi.com/journal/medicina/special_issues/general_anesthesia

● CARTI / CAPITOLE

2014

Update in Anaesthesia and Intensive Care, Emergency Medicine and Transfusion

Bedreag OH, Rogobete AF, Papurica M. Use of albumin in the critically ill. Update in Anaesthesia and Intensive Care, Emergency Medicine and Transfusion, University Press Targu- Mures, Targu Mures, 2014, pages 13-19, ISBN 978-973-169-304-0.

2015

Controlled Drug Release Systems in Anesthesia and Intensive Care Unit

Alexandru Florin Rogobete, Ovidiu Horea Bedreag, Gabriela Preda. Controlled Drug Release Systems in Anesthesia and Intensive Care Unit. Lambert Academic Publishing. 2015. Germany, ISBN: 978-3-659-79011-9

2016

Detection of prostate cancer using epigenetic biomarkers

Raluca Dumache, Alexandru Florin Rogobete, Radu Traian Minciu. Detection of prostate cancer using epigenetic biomarkers. Lambert Academic Publishing. 2016. Germany, ISBN 978-3-659- 87297-6.

2022

General Anesthesia as a Multimodal Individualized Clinical Concept

Alexandru Florin Rogobete, Dorel Sandesc

ISBN 978-3-0365-5005-3 (Hbk); ISBN 978-3-0365-5006-0 (PDF)

<https://doi.org/10.3390/books978-3-0365-5006-0> (registering DOI)

Link <https://www.mdpi.com/books/book/5931>

● PUBLICAȚII

2015

Use of miRNAs as biomarkers in sepsis

Dumache R, Rogobete AF, Bedreag OH, Sarandan M, Cradigati AC, Papurica M, Dumbuleu CM, Nartita R, Sandesc D. Use of miRNAs as biomarkers in sepsis. Anal Cell Pathol (Amst). 2015;2015:186716. doi: 10.1155/2015/186716. Epub 2015 Jun 28. PMID: 26221578; PMCID: PMC4499375.

Anal Cell Pathol (Amst). 2015;2015:186716.

2018

MicroRNA Expression is Associated with Sepsis Disorders in Critically Ill Polytrauma Patients

Rogobete AF, Sandesc D, Bedreag OH, Papurica M, Popovici SE, Bratu T, Popoiu CM, Nitu R, Dragomir T, AAbed HIM, Ivan MV. MicroRNA Expression is Associated with Sepsis Disorders in Critically Ill Polytrauma Patients. Cells. 2018 Dec 13;7(12):271. doi: 10.3390/cells7120271. PMID: 30551680; PMCID: PMC6316368.

Cells. 2018 Dec 13;7(12):271. doi: 10.3390/cells7120271.



2016

Advances in Biomarkers in Critical Ill Polytrauma Patients

Papurica M, Rogobete AF, Sandesc D, Dumache R, Cradigati CA, Sarandan M, Nartita R, Popovici SE, Bedreag OH. Advances in Biomarkers in Critical Ill Polytrauma Patients. Clin Lab. 2016;62(6):977-86. doi: 10.7754/clin.lab.2015.151103. PMID: 27468558.

Clin Lab . 2016;62(6):977-86. doi: 10.7754/clin.lab.2015.151103.

2018

The Link Between Selenium, Oxidative Stress and Pregnancy Induced Hypertensive Disorders

Bizerea TO, Dezsi SG, Marginean O, Stroescu R, Rogobete A, Bizerea-Spiridon O, Ilie C. The Link Between Selenium, Oxidative Stress and Pregnancy Induced Hypertensive Disorders. Clin Lab. 2018 Oct 1;64(10):1593-1610. doi: 10.7754/Clin.Lab.2018.180307. PMID: 30336534.

Clin Lab . 2018 Oct 1;64(10):1593-1610. doi: 10.7754/Clin.Lab.2018.180307.

Early Prediction of Sepsis Incidence in Critically Ill Patients Using Specific Genetic Polymorphisms

David VL, Ercisli MF, Rogobete AF, Boia ES, Horhat R, Nitu R, Diaconu MM, Pirtea L, Ciuca I, Horhat D, Horhat FG, Licker M, Popovici SE, Tanasescu S, Tataru C. Early Prediction of Sepsis Incidence in Critically Ill Patients Using Specific Genetic Polymorphisms. Biochem Genet. 2017 Jun;55(3):193-203. doi: 10.1007/s10528-016-9785-2. Epub 2016 Dec 9. PMID: 27943002.

Biochem Genet . 2017 Jun;55(3):193-203. doi: 10.1007/s10528-016-9785-2.

2016

New perspectives of volemic resuscitation in polytrauma patients: a review

Bedreag OH, Papurica M, Rogobete AF, Sarandan M, Cradigati CA, Vernic C, Dumbuleu CM, Nartita R, Sandesc D. New perspectives of volemic resuscitation in polytrauma patients: a review. Burns Trauma. 2016 Feb 16;4:5. doi: 10.1186/s41038-016-0029-9. PMID: 27574675; PMCID: PMC4964009.

Burns Trauma . 2016 Feb 16;4:5. doi: 10.1186/s41038-016-0029-9.

2015

The role of ketamine in the treatment of chronic cancer pain

Zgaia AO, Irimie A, Sandesc D, Vlad C, Lisencu C, Rogobete A, Achimas-Cadariu P. The role of ketamine in the treatment of chronic cancer pain. Clujul Med.2015;88(4):457-61. doi: 10.15386/cjmed-500. Epub 2015 Nov 15. PMID: 26733743; PMCID: PMC4689236.

Clujul Med . 2015;88(4):457-61. doi: 10.15386/cjmed-500.

2019

Assessment of Metabolic and Nutritional Imbalance in Mechanically Ventilated Multiple Trauma Patients: From Molecular to Clinical Outcomes

Rogobete AF, Grintescu IM, Bratu T, Bedreag OH, Papurica M, Crainiceanu ZP, Popovici SE, Sandesc D. Assessment of Metabolic and Nutritional Imbalance in Mechanically Ventilated Multiple Trauma Patients: From Molecular to Clinical Outcomes. Diagnostics (Basel). 2019 Nov 1;9(4):171. doi: 10.3390/diagnostics9040171. PMID: 31683927; PMCID: PMC6963656.

Diagnostics (Basel) . 2019 Nov 1;9(4):171. doi: 10.3390/diagnostics9040171

2017

The Use of Exosomes as Biomarkers for Evaluating and Monitoring Critically Ill Polytrauma Patients with Sepsis



Ticlea M, Bratu LM, Bodog F, Bedreag OH, Rogobete AF, Crainiceanu ZP. The Use of Exosomes as Biomarkers for Evaluating and Monitoring Critically Ill Polytrauma Patients with Sepsis. *Biochem Genet*. 2017 Feb;55(1):1-9. doi: 10.1007/s10528-016-9773-6. Epub 2016 Sep 9. PMID: 27612681.

Biochem Genet . 2017 Feb;55(1):1-9. doi: 10.1007/s10528-016-9773-6.

2020

Cannabis Sativa Revisited-Crosstalk between microRNA Expression, Inflammation, Oxidative Stress, and Endocannabinoid Response System in Critically Ill Patients with Sepsis

Dinu AR, Rogobete AF, Bratu T, Popovici SE, Bedreag OH, Papurica M, Bratu LM, Sandesc D. *Cannabis Sativa* Revisited-Crosstalk between microRNA Expression, Inflammation, Oxidative Stress, and Endocannabinoid Response System in Critically Ill Patients with Sepsis. *Cells*. 2020 Jan 28;9(2):307. doi: 10.3390/cells9020307. PMID: 32012914; PMCID: PMC7072707.

Cells . 2020 Jan 28;9(2):307. doi: 10.3390/cells9020307.

2017

Circulating microRNAs Expressions as Genetic Biomarkers in Pancreatic Cancer Patients Continuous Non-Invasive Monitoring

Sandesc M, Dinu A, Rogobete AF, Bedreag OH, Sandesc D, Papurica M, Bratu LM, Negoita S, Vernic C, Popovici SE, Corneci D. Circulating microRNAs Expressions as Genetic Biomarkers in Pancreatic Cancer Patients Continuous Non-Invasive Monitoring. *Clin Lab*. 2017 Oct 1;63(10):1561-1566. doi: 10.7754/Clin.Lab.2017.170608. PMID: 29035444.

Clin Lab . 2017 Oct 1;63(10):1561-1566. doi: 10.7754/Clin.Lab.2017.170608.

2015

Genetic and Epigenetic Biomarkers of Molecular Alterations in Oral Carcinogenesis

Dumache R, Rogobete AF, Andreescu N, Puiu M. Genetic and Epigenetic Biomarkers of Molecular Alterations in Oral Carcinogenesis. *Clin Lab*. 2015;61(10):1373-81. doi: 10.7754/clin.lab.2015.150327. PMID: 26642697.

Clin Lab . 2015;61(10):1373-81. doi: 10.7754/clin.lab.2015.150327.

2015

Circulating MicroRNAs as Promising Biomarkers in Forensic Body Fluids Identification

Dumache R, Ciocan V, Muresan C, Rogobete AF, Enache A. Circulating MicroRNAs as Promising Biomarkers in Forensic Body Fluids Identification. *Clin Lab*. 2015;61(9):1129-35. doi: 10.7754/clin.lab.2015.150207. PMID: 26554231.

Clin Lab . 2015;61(9):1129-35. doi: 10.7754/clin.lab.2015.150207.

2017

microRNAs Expression as Novel Genetic Biomarker for Early Prediction and Continuous Monitoring in Pulmonary Cancer

Nitu R, Rogobete AF, Gundogdu F, Tanasescu S, Boruga O, Sas A, Popovici SE, Hutanu D, Pilut C, Sarau CA, Candea AC, Stan AT, Moise LM. microRNAs Expression as Novel Genetic Biomarker for Early Prediction and Continuous Monitoring in Pulmonary Cancer. *Biochem Genet*. 2017 Aug;55(4):281-290. doi: 10.1007/s10528-016-9789-y. Epub 2017 Jan 9. PMID: 28070693.

Biochem Genet . 2017 Aug;55(4):281-290. doi: 10.1007/s10528-016-9789-y.

2015

Redox Changes Induced by General Anesthesia in Critically Ill Patients with Multiple Traumas

Papurica M, Rogobete AF, Sandesc D, Dumache R, Nartita R, Sarandan M, Cradigati AC, Luca L, Vernic C, Bedreag OH. Redox Changes Induced by General Anesthesia in Critically Ill Patients with Multiple Traumas. *Mol Biol Int*. 2015;2015:238586. doi: 10.1155/2015/238586. Epub 2015 Nov 26. PMID: 26693352; PMCID: PMC4674615.

Mol Biol Int . 2015;2015:238586. doi: 10.1155/2015/238586

2017

Early Evaluation and Monitoring of Critical Patients with Acute Respiratory Distress Syndrome (ARDS) Using Specific Genetic Polymorphisms

Horhat FG, Gundogdu F, David LV, Boia ES, Pirtea L, Horhat R, Cucui-Cozma A, Ciuca I, Diaconu M, Nitu R, Licker M, Horhat DI, Rogobete AF, Moise ML, Tataru C. Early Evaluation and Monitoring of Critical Patients with Acute Respiratory Distress Syndrome (ARDS) Using Specific Genetic Polymorphisms. Biochem Genet. 2017 Jun;55(3):204-211. doi: 10.1007/s10528-016-9787-0. Epub 2017 Jan 9. PMID: 28070694.

Biochem Genet . 2017 Jun;55(3):204-211. doi: 10.1007/s10528-016-9787-0.

2018

New Molecular and Epigenetic Expressions as Novel Biomarkers in Critically Ill Polytrauma Patients with Acute Kidney Injury (AKI)

Ivan MV, Rogobete AF, Bedreag OH, Papurica M, Popovici SE, Dinu A, Sandesc M, Beceanu A, Bratu LM, Popoiu CM, Sandesc D, Boruga O, Fulger L. New Molecular and Epigenetic Expressions as Novel Biomarkers in Critically Ill Polytrauma Patients with Acute Kidney Injury (AKI). Clin Lab. 2018 May 1;64(5):663-668. doi: 10.7754/Clin.Lab.2018.171226. PMID: 29739062.

Clin Lab . 2018 May 1;64(5):663-668. doi: 10.7754/Clin.Lab.2018.171226.

2016

The Use of Circulating miRNAs as Biomarkers for Oxidative Stress in Critically Ill Polytrauma Patients

Bedreag OH, Sandesc D, Chiriac SD, Rogobete AF, Cradigati AC, Sarandan M, Dumache R, Nartita R, Papurica M. The Use of Circulating miRNAs as Biomarkers for Oxidative Stress in Critically Ill Polytrauma Patients. Clin Lab. 2016;62(3):263-74. doi: 10.7754/clin.lab.2015.150740. PMID: 27156313.

Clin Lab . 2016;62(3):263-74. doi: 10.7754/clin.lab.2015.150740.

2021

Multiparametric Monitoring of Hypnosis and Nociception-Antinociception Balance during General Anesthesia-A New Era in Patient Safety Standards and Healthcare Management

Rogobete AF, Bedreag OH, Papurica M, Popovici SE, Bratu LM, Rata A, Barsac CR, Maghiar A, Garofil DN, Negrea M, Petcu LB, Toma D, Dumbuleu CM, Rimawi S, Sandesc D. Multiparametric Monitoring of Hypnosis and Nociception-Antinociception Balance during General Anesthesia-A New Era in Patient Safety Standards and Healthcare Management. Medicina (Kaunas). 2021 Feb 2;57(2):132. doi: 10.3390/medicina57020132. PMID: 33540844; PMCID: PMC7913052.

Medicina (Kaunas) . 2021 Feb 2;57(2):132. doi: 10.3390/medicina57020132.

2016

Using the Expression of Damage-Associated Molecular Pattern (DAMP) for the Evaluation and Monitoring of the Critically Ill Polytrauma Patient

Papurica M, Rogobete AF, Sandesc D, Cradigati CA, Sarandan M, Dumache R, Horhat FG, Bratu LM, Nitu R, Crisan DC, Horhat DI, Popovici ES, Tanasescu S, Daliborca V, Boruga O, Bedreag OH. Using the Expression of Damage-Associated Molecular Pattern (DAMP) for the Evaluation and Monitoring of the Critically Ill Polytrauma Patient. Clin Lab. 2016 Oct 1;62(10):1829-1840. doi: 10.7754/Clin.Lab.2016.160226. PMID: 28164521.

Clin Lab . 2016 Oct 1;62(10):1829-1840. doi: 10.7754/Clin.Lab.2016.160226.

2015

Oxidative stress in severe pulmonary trauma in critical ill patients. Antioxidant therapy in patients with multiple trauma--a review



Bedreag OH, Rogobete AF, Sarandan M, Cradigati AC, Papurica M, Dumbuleu MC, Chira AM, Rosu OM, Sandesc D. Oxidative stress in severe pulmonary trauma in critical ill patients. Antioxidant therapy in patients with multiple trauma--a review. *Anaesthesiol Intensive Ther*. 2015;47(4):351-9. doi: 10.5603/AIT.a2015.0030. Epub 2015 Jun 3. PMID: 26037258.

Anaesthesiol Intensive Ther . 2015;47(4):351-9. doi: 10.5603/AIT.a2015.0030.

2016

The Use of Redox Expression and Associated Molecular Damage to Evaluate the Inflammatory Response in Critically Ill Patient with Severe Burn

Bratu LM, Rogobete AF, Sandesc D, Bedreag OH, Tanasescu S, Nitu R, Popovici SE, Crainiceanu ZP. The Use of Redox Expression and Associated Molecular Damage to Evaluate the Inflammatory Response in Critically Ill Patient with Severe Burn. *Biochem Genet*. 2016 Dec;54(6):753-768. doi: 10.1007/s10528-016-9763-8. Epub 2016 Jul 27. PMID: 27465592.

Biochem Genet . 2016 Dec;54(6):753-768. doi: 10.1007/s10528-016-9763-8.

2017

The influence of metabolic imbalances and oxidative stress on the outcome of critically ill polytrauma patients: a review

Rogobete AF, Sandesc D, Papurica M, Stoicescu ER, Popovici SE, Bratu LM, Vernic C, Sas AM, Stan AT, Bedreag OH. The influence of metabolic imbalances and oxidative stress on the outcome of critically ill polytrauma patients: a review. *Burns Trauma*. 2017 Mar 7;5:8. doi: 10.1186/s41038-017-0073-0. PMID: 28286784; PMCID: PMC5341432.

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The Use of Lipid Peroxidation Expression as a Biomarker for the Molecular Damage in the Critically Ill Polytrauma Patient

Horhat FG, Rogobete AF, Papurica M, Sandesc D, Tanasescu S, Dumitrascu V, Licker M, Nitu R, Cradigati CA, Sarandan M, Boruga O, Crisan CD, Ungureanu E, Popa DM, Popovici SE, Bedreag OH. The Use of Lipid Peroxidation Expression as a Biomarker for the Molecular Damage in the Critically Ill Polytrauma Patient. *Clin Lab*. 2016 Sep 1;62(9):1601-1607. doi: 10.7754/Clin.Lab.2016.160306. PMID: 28164582.

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Negoita SI, Sandesc D, Rogobete AF, Dutu M, Bedreag OH, Papurica M, Ercisli MF, Popovici SE, Dumache R, Sandesc M, Dinu A, Sas AM, Serban D, Corneci D. miRNAs Expressions and Interaction with Biological Systems in Patients with Alzheimer`s Disease. Using miRNAs as a Diagnosis and Prognosis Biomarker. *Clin Lab*. 2017 Sep 1;63(9):1315-1321. doi: 10.7754/Clin.Lab.2017.170327. PMID: 28879701.

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2016

The Expression of Nuclear Transcription Factor Kappa B (NF-κB) in the Case of Critically Ill Polytrauma Patients with Sepsis and Its Interactions with microRNAs

Papurica M, Rogobete AF, Sandesc D, Cradigati CA, Sarandan M, Crisan DC, Horhat FG, Boruga O, Dumache R, Nilima KR, Nitu R, Stanca H, Bedreag OH. The Expression of Nuclear Transcription Factor Kappa B (NF-κB) in the Case of Critically Ill Polytrauma Patients with Sepsis and Its Interactions with microRNAs. *Biochem Genet*. 2016 Aug;54(4):337-347. doi: 10.1007/s10528-016-9727-z. Epub 2016 Mar 22. PMID: 27003424.

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2015

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2020

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Modulation of the Redox Expression and Inflammation Response in the Critically Ill Polytrauma Patient with Thoracic Injury. Statistical Correlations between Antioxidant Therapy

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The Impact of General Anesthesia on Redox Stability and Epigenetic Inflammation Pathways: Crosstalk on Perioperative Antioxidant Therapy

Ritiu SA, Rogobete AF, Sandesc D, Bedreag OH, Papurica M, Popovici SE, Toma D, Ivascu RI, Velovan R, Garofil DN, Corneci D, Bratu LM, Pahontu EM, Pistol A. The Impact of General Anesthesia on Redox Stability and Epigenetic Inflammation Pathways: Crosstalk on Perioperative Antioxidant Therapy. *Cells*. 2022; 11(12):1880. <https://doi.org/10.3390/cells11121880>

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2022

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2022

Update on Current Concepts in Management of Severe Hemorrhagic Shock and Optimal Individualized Fluid Therapy in Critically Ill Polytrauma Patients

Rogobete, A.F.; Ritiu, S.A.; Bedreag, O.H.; Papurica, M.; Popovici, S.E.; Toma, D.; Lupu, M.A.; Paun, D.L.; Garofil, D.N.; Corneci, D.; Pistol, A.; Pahontu, E.M.; Valeanu, L.; Sandesc, D. Update on Current Concepts in Management of Severe Hemorrhagic Shock and Optimal Individualized Fluid Therapy in Critically Ill Polytrauma Patients. *Preprints* **2022**, 2022080141 (doi: 10.20944/preprints202208.0141.v1).

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2022

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Rogobete, A.F.; Sandesc, D. Multimodal Diagnostic Methods of Sepsis in Critically Ill Patients. *Diagnostics* **2022**, *12*, 1950. <https://doi.org/10.3390/diagnostics12081950>

**PRESENTATIONS / PAPERS AT NATIONAL AND INTERNATIONAL SCIENTIFIC EVENTS****Presentations / papers at national and international scientific events**

1. Rogobete, AF, Preda, G., Chemical reactions in the microwave, Students 'Scientific' Circle Principles ", Twelfth Edition, West University of Timisoara, Faculty of Chemistry, Biology, Geography, Chemistry Department, 2011;
2. Rogobete, AF, Preda, G., Controlled release of biologically active compounds in sol-gel matrices, Scientific Session, 19th Edition, West University of Timisoara, Faculty of Chemistry, Biology, Geography, Chemistry Department, 2013;
3. Rogobete, AF, Albu, P., Dragomirescu, M., Preda, G., Controlled release of bioactive substances from sol-gel matrixes, Academic Days Timiseni, West University of Timisoara, multidisciplinary research and training platform "Nicholas Georgescu - Roegen "advanced environmental research laboratories, 2013;
4. Rogobete, AF, Sarandan, M., Preda, G., Bupivacaine Liposome - new trends in Anaesthesia and Intensive Care Unit, Students 'Scientific' Circle Principles ", West University of Timisoara, Faculty of Chemistry, Biology, Geography Timisoara, Romania, 2014;
5. Rogobete, AF, Preda, G., Analgesia supported by minimal invasive maneuvers - Progress controlled release systems of biologically active substances, Students Scientific Communications Session, West University of Timisoara, Timisoara, Romania, 2014
6. Rogobete, AF, Preda, G, Dragomirescu, M. Controlled release of bovine serum albumin from silica matrices, Bioengineering of Animal Resources, Banat University of Agricultural Science and Veterinary Medicine "King Michael I of Romania", Timisoara, Romania, 2015
7. Alexandru Florin Rogobete, Ovidiu Horea Bedreag, Carmen Alina Cradigati, Mirela Sarandan, Corina Vernic, Anelore Gruneantu, Marius Papurica, Loredana Luca, Mihai Sandesc, Dorel Sandesc. The modifies of the lipidic profile in the critically ill trauma patient. The modulation of the redox expression by administrating of the antioxidants. A prospective study. The 42st Congress of the Romanian Society of Anaesthesia and Intensive Care, International Conference Centre, Sinaia, Romania, 2016;
8. Alexandru Florin Rogobete, Ovidiu Horea Bedreag, Marius Papurica, Carmen Alina Cradigati, Mirela Sarandan, Anca Dinu, Sonia Elena Popovici, Dorel Sandesc, Monica Dragomirescu, Gabriela Preda. New trends in pain management - controlled release of local anaesthetics from siloxane matrix. The 42st Congress of the Romanian Society of Anaesthesia and Intensive Care, International Conference Centre, Sinaia, Romania, 2016;
9. Loredana Luca, Alexandru Florin Rogobete, Ovidiu Horea Bedreag, Marius Papurica, Carmen Alina Cradigati, Mirela Sarandan, Corina Vernic, Ancuta Pop Coman, Lavinia Melania Bratu, Dorel Sandesc. The redox expression in the critically ill trauma patient. The influence of the antioxidant therapy on the incidence of sepsis. A prospective study of single center. The 42st Congress of the Romanian Society of Anaesthesia and Intensive Care, International Conference Centre, Sinaia, Romania, 2016;
10. Zgaia, A.; Pop, F.; Irimie, A.; Rogobete, A.; Achimas-Cadariu, P. The Impact of Preoperative Psychological Counseling On Pain, And Analgesic Consumption On Patients Scheduled for Breast Cancer Surgery- A Randomized Clinical Study. 16th World Congress of Anaesthesiologists. 2016, Hong Kong
11. Alexandru Florin Rogobete, GE Healthcare Basic Scientific Writing Course, Victor Babes University of Medicine and Pharmacy, Timisoara, Romania, 2016
12. Alexandru Florin Rogobete, Basic Scientific Writing Course, Cursul National de Ghiduri si Protocoale in Anestezie, Terapie Intensiva si Medicina de Urgenta, Timisoara, Romania, 2016
13. Alexandru Florin Rogobete, Gas Exchange/Metabolism Monitoring, GE Healthcare Multimodal Monitoring Romanian Tour, Romania, 2016
14. Alexandru Florin Rogobete, Ovidiu Horea Bedreag, Marius Papurica, Carmen Alina Cradigati, Mirela Sarandan, Sonia Elena Popovici, Dorel Sandesc, Adequacy of Anaesthesia in Trauma patients, The 11st PanArab Anaesthesia and Intensive Care Congress, Intercontinental Conference Centre, Dubai, November, UAE, 2016;
15. L Luca, A Rogobete, O Bedreag, M Papurica, M Sarandan, C Cradigati, S Popovici, C Vernic, D Sandesc. Multimodal monitoring in critically ill polytrauma patient with traumatic brain injury (TBI). 37th International Symposium on Intensive Care and Emergency Medicine. Critical Care2017, 21(Suppl 1):56. <https://doi.org/10.1186/s13054-017-1630-4>
15. O Bedreag, A Rogobete, C Cradigati, M Sarandan, C Mihoc, S Popovici, D Sandesc. Monitoring energy demand in the multiple trauma critically ill patient with sepsis based on indirect calorimetry. a prospective observational monocentric study. 38th International Symposium on Intensive Care and Emergency Medicine. Critical Care2018, 22(Suppl 1):82. <https://doi.org/10.1186/s13054-018-1973-5>
16. A Rogobete, O Bedreag, C Cradigati, M Sarandan, S Popovici, D Sandesc. Influence of antioxidant therapy with high dose of vitamin c on mortality rates in critically ill polytrauma patients. 38th International Symposium on Intensive Care and Emergency Medicine. Critical Care2018, 22(Suppl 1):82. <https://doi.org/10.1186/s13054-018-1973-5>
17. O Bedreag, A Rogobete, C Cradigati, M Sarandan, S Popovici, D Sandesc. Entropy-guided depth of hypnosis on general anesthesia in critically ill polytrauma patients. 38th International Symposium on Intensive Care and Emergency Medicine. Critical Care2018, 22(Suppl 1):82. <https://doi.org/10.1186/s13054-018-1973-5>



18. A Rogobete, O Bedreag, D Sandesc. INDIRECT CALORIMETRY - GUIDED NUTRITION IN CRITICALLY ILL POLYTRAUMA PATIENTS. 2nd EuroAsia Conference, Hong Kong, 2018
19. A Rogobete, O Bedreag, D Sandesc. ENTROPY - GUIDED DEPTH OF HYPNOSIS ON GENERAL ANAESTHESIA IN CRITICALLY ILL POLYTRAUMA PATIENTS. 2nd EuroAsia Conference, Hong Kong, 2018
20. Alexandru Florin Rogobete, Ovidiu Bedreag, Marius Păpurică, Carmen Alina Gizea, Mirela Sarandan, Corina Vernic, Sonia Elena Popovici, Lavinia Melania Bratu, Loredana Luca, Dorel Săndesc. Entropy-guided depth of hypnosis on general anaesthesia in critically ill polytrauma patients. The 44st Congress of the Romanian Society of Anaesthesia and Intensive Care, International Conference Centre, Sinaia, Romania, 2018;
21. Alexandru Florin Rogobete, Ovidiu Bedreag, Marius Păpurică, Carmen Alina Gizea, Mirela Sarandan, Sonia Elena Popovici, Dorel Săndesc. Monitoring energy demand in the multiple trauma critically ill patient with sepsis based on indirect calorimetry. A prospective observational monocentric study. The 44st Congress of the Romanian Society of Anaesthesia and Intensive Care, International Conference Centre, Sinaia, Romania, 2018;
22. Alexandru Florin Rogobete, Ovidiu Bedreag, Marius Păpurică, Carmen Alina Gizea, Mirela Sarandan, Corina Vernic, Sonia Elena Popovici, Lavinia Melania Bratu, Loredana Luca, Dorel Săndesc. Influence of antioxidant therapy with high dose of vitamin C on mortality rates in critically ill poly-trauma patients. The 44st Congress of the Romanian Society of Anaesthesia and Intensive Care, International Conference Centre, Sinaia, Romania, 2018;
23. A. F. Rogobete, O. H. Bedreag, M. Papurica, D. Sandesc. Monitoring energy demand in the multiple trauma critically ill patient with sepsis based on indirect calorimetry. A prospective observational monocentric study. Euroanaesthesia 2018, Copenhagen
24. A.F. Rogobete. Basic Scientific Writing Course, Endoped Congress 2018, Romanian Society of Nutrition in Pediatric Patients, Timisoara, Romania
25. AF Rogobete. Oxidative stress – as molecular metabolic disaster and antioxidant therapy in critically ill polytrauma patients. ICU National Conference Poland, 2018
26. AF Rogobete. Indirect Calorimetry as Energy Expenditure Multimodal Monitoring and Implications on Clinical Outcomes in Critically Ill Polytrauma Patients. Anesthesiology, San Francisco, SUA, 2018
27. AF Rogobete. State and Response Entropy: Guided General Anaesthesia in Critically Ill Polytrauma Patients, Anesthesiology, San Francisco, SUA, 2018
28. AF Rogobete. Oxidative Stress and Indirect Calorimetry in critically ill polytrauma patients. ROSPEN Congress 2018, Poiana Brasov, Romania
29. AF Rogobete. Entropy in Trauma. SRATI Congress 2019, Sinaia, Romania
30. AF Rogobete. Vitamin C in trauma - clinical outcomes, Kazaskthan Anaesthesia Congress 2019, Astana, Kazaskthan
31. AF Rogobete. Cannabinoids in sepsis. New face for ICU? ROSPEN Congress 2019, Poiana Brasov, Romania

2019

Cannabinoids in sepsis. New face for ICU? | ROSPEN Congress | Poiana Brasov | Romania

2019

Vitamin C in trauma - clinical outcomes | Kazaskthan Anaesthesia Congress | Astana | Kazaskthan

2019

Entropy in Trauma | The National Congress of Romanian Society of Anaesthesia and Intensive Care | Sinaia | Romania

2018

Oxidative Stress and Indirect Calorimetry in critically ill polytrauma patients | ROSPEN Congress | Poiana Brasov | Romania

2018

State and Response Entropy: Guided General Anaesthesia in Critically Ill Polytrauma Patients | Anesthesiology Congress | San Francisco | SUA

2018

Indirect Calorimetry as Energy Expenditure Multimodal Monitoring and Implications on Clinical Outcomes in Critically Ill Polytrauma Patients | Anesthesiology | San Francisco | SUA

2022

Impactul fondurilor internaționale asupra răspunsului secțiilor ATI la criza sanitară COVID-19 | Al 48-lea Congres al Societății Române de Anestezie și Terapie Intensivă | Sinaia | Romania



2022

Impactul monitorizării intraoperatorii a balanței nocicepție – antinocicepție asupra stabilității hemodinamice | Al 48-lea Congres al Societății Române de Anestezie și Terapie Intensivă | Sinaia | Romania

DISTINCȚII ONORIFICE ȘI PREMII

2015

2nd place for Best e-Poster – The 41 th Congress of the Romanian Society of Anaesthesia and Intensive Care

International Conference Centre, Sinaia, Romania

2015

Elsevier ScienceDirect Top25 – Elsevier

Elsevier List of Most Downloaded Articles 2015- Liposomal Bupivacaine - New Trends in Anesthesia and Intensive Care Units. Egyptian Journal of Anaesthesia, 2015, 31 (1): 80-95

2016

1th place for Best e-Poster – The 42st Congress of the Romanian Society of Anaesthesia and Intensive Care

International Conference Centre, Sinaia, Romania

2016

3st place for Best e-Poster – The 42st Congress of the Romanian Society of Anaesthesia and Intensive Care

International Conference Centre, Sinaia, Romania

2016

1st place for Best Poster – World Congress of Anaesthesiologists

Hong Kong

2018

1st place for the Best Oral Presentation – The 44st Congress of the Romanian Society of Anaesthesia and Intensive Care

International Conference Centre, Sinaia, Romania

CERTIFICATE / ACREDITARI

Certifications

A. Springer Science. Springer Academy Department (2014):

1. Certificate of Completion. How to Write and Submit a Journal Article.
2. Certificate of Completion. Journal Author Academy Part 1: Writing your Manuscript.
3. Certificate of Completion. Journal Author Academy Part 2: Submitting and Peer Review
4. Certificate of Completion. Open Access Academy.
5. Certificate of Completion. Peer Review Academy
6. Certificate of Completion. Springer English Academy.

B. European Society of Anaesthesia (ESA, www.esahq.org)

1. Scientific Writer – European Society of Anaesthesia, ESA Masterclass, Brussels, Belgium, 2015
2. Study Design – European Society of Anaesthesia, ESA Masterclass, Poland, 2018

VIZIBILITATE ACADEMICĂ

Citations

h-index: 13



i10-index: 20

(<https://scholar.google.com/citations?user=gwjdfdsAAAAJ&hl=en>)

VOLUNTARIAT

Volunteer

Clinical Medical Student Volunteer (2013 - 2018) - Clinic for Anesthesiology and Intensive Care, Emergency County Hospital "Pius Binzeu" Timisoara

COMPETENȚE ORGANIZATORICE

|

- Project Coordinator to promote the campaign "Education Awards Gala - Dinu Patriciu Foundation", Western Region, Timisoara, Romania (2011);- Organizing Member "Veronica Chiriac Inorganic Chemistry Contest", Faculty of Chemistry, Biology, Geography, University of the West Timisoara, Timisoara, Romania (2011, 2012, 2013);- Organizing Member "George Ostrogovich Organic Chemistry Contest", Faculty of Chemistry, Biology, Geography, West University of Timisoara (2011, 2012, 2013);- Organizing Member "Summer School - Camp National Chemistry", Ministry of Education, Research, Youth and Sports, Caras-Severin County School Inspectorate, Resita, Romania (2011);- Member of the organizing "open days", Faculty of Chemistry, Biology, Geography, University of the West Timisoara, Timisoara, Romania (2011, 2012, 2013);- Organising Member "National Guidelines and Protocols Course in Anaesthesia, Intensive Care and Emergency Medicine", Timisoara, Romania (2014-2019);-Project coordinator „GE Healthcare Basic Scientific Writing Course”, Romania, 2016-2018 -Project director „GE Healthcare Multimodal Monitoring Romanian Tour”, Romania, 2016-2018.-Project coordinator "Romanian Clinical Trials Network, Romanian Society of Anaesthesia and Intensive Care", Romania, 2018-Project Coordinator "Mechanical Ventilation Masterclass", Timisoara, 1-2 Martie, 2019 - Course Coordinator "Basic Scientific Writing Course", Romania, 2017-2019-Course Coordinator "Advanced Clinical Research Masterclass", Romania, 2019

COMPETENȚE DE COMUNICARE ȘI INTERPERSONALE

Communication and presentation techniques

ForPeople Organization, Sinaia, Romania (2008);

Design projects techniques

ForPeople Organization, Sinaia, Romania (2009);

Diplomatie si protocol

Institutul European din România, Bucuresti, Romania (2021);