

CURRICULUM VITAE EUROPASS Lecturer Gheorghe Zsolt NICULA, MD, PhD



PERSONAL DATA

First name / Surname Gheorghe-Zsolt NICULA
Address(es) "Iuliu Hațieganu" University of Medicine and Pharmacy
in Cluj-Napoca
Victor Babeș St., No. 8, 400012-Cluj-Napoca;
Medicine Faculty, Molecular Sciences Department,
Cell and Molecular Biology Discipline
Louis Pasteur St., No. 6, 400349-Cluj-Napoca, Romania.

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Nationality Hungarian, Romanian
Date of birth December 17, 1971
Gender Male

PROFESSIONAL ACTIVITY / OCCUPATIONAL FIELD LECTURER Molecular Sciences Department,
Cell and Molecular Biology Discipline, UMP CLUJ-NAPOCA
MD, PhD, Specialist Physician in Public Health and Management

PROFESSIONAL EXPERIENCE 20 years (01.11. 2003 – Present) at "Iuliu Hațieganu" University of
Medicine and Pharmacy in Cluj-Napoca, Medicine Faculty, Molecular
Sciences Department, Cell and Molecular Biology Discipline

Dates 30.09.2019 - Present
Position held Lecturer
Main activities and responsibilities 1. Teaching activities (lectures and practical works in Cell and Molecular
Biology) with 1st year students of Medicine Faculty and Dental Faculty of
"Iuliu Hațieganu" UMP Cluj-Napoca. 2. Teaching activities (practical
works) with Master of Science Students in Interdisciplinary Master
Programme Advanced Studies in Forensic Medicine. 3. Scientific
research in Cell and Molecular Biology.

Name and address of employer "Iuliu Hațieganu" University of Medicine and Pharmacy, 8 Babeș St.,
400012 Cluj-Napoca
Department Molecular Sciences Dept., Cell and Molecular Biology Discipline

CURRICULUM VITAE EUROPASS Lecturer Gheorghe Zsolt NICULA, MD, PhD



Type of activities Teaching / Research / Health

Dates / Position held 28.10.2011 – 29.09.2019 Assistant Professor, MD, Phd
Dates / Position held 01.10. 2007 – 27.10.2011 Assistant Professor, MD, Phd Student
Dates / Position held 01.11. 2003 – 30.09.2007 MD, PhD Student
Dates / Position held 01.04.1999 – 15.03.2003 Resident Physician in Public Health and Management
Dates / Position held 01.01.1998 – 31.03.1999 Debutant Physician

EDUCATION AND TRAINING

Dates 01.11.2003 – 28.10.2011
Title of qualification awarded 2011: PhD in Medical Sciences
Subject Doctoral studies
Name and type of organisation providing education and training "Iuliu Hațieganu" University of Medicine and Pharmacy in Cluj-Napoca
Level in national or international classification *PhD*

Dates 01.04.1999 – 15.03.2003
Title of qualification awarded 2003: Specialist Physician in Public Health and Management
Subject Speciality studies in Public Health and Management
Name and type of organisation providing education and training „Prof. Dr. Octavian Fodor” Emergency Hospital – Constanța St. No. 5, Cluj-Napoca, "Iuliu Hațieganu" University of Medicine and Pharmacy in Cluj-Napoca
Level in national or international classification Senior Physician

Dates 01.10.2000 – 30.09.2001
Title of qualification awarded 2001: Master in Medical Sciences
Subject Medical Informatics and Biostatistics
Name and type of organisation providing education and training Medicine Faculty of "Iuliu Hațieganu" University of Medicine and Pharmacy in Cluj-Napoca
Level in national or international classification *MSc*

Dates 01.10.1991 – 16.09.1997
Title of qualification awarded 1997: Medical Doctor (MD)
Subject University studies in General Medicine

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Name and type of organisation providing education and training Medicine Faculty of "Iuliu Hațieganu" University of Medicine and Pharmacy in Cluj-Napoca
 Level in national or international classification *BSc*

Dates 15.09.1987 – 30.06.1991

Title of qualification awarded High School Graduate

Subject High School Studies in Mathematics-Physics Profile

Name and type of organisation providing education and training „Decebal” Mathematics-Physics High School
 Deva, România

Level in national or international classification *Baccalaureate*

OTHER COURSES AND TRAINING STAGES

02.03.2013 – 30.05.2013 English language training course „English for Speakers of Other Languages”, provided by University of Cambridge, ESOL Examinations Certificate of Language Proficiency, No. 0040103604, 27.06.2013.

31.05.2010 – 04.06.2010 Training Program provided by University of Brighton, Institute of Postgraduate Medicine and PRIME Partnerships in International Medical Education at "Iuliu Hațieganu" University of Medicine and Pharmacy in Cluj-Napoca, program entitled „Prime Course «Teaching and Learning A Course for Medical Educators»”.

01.07.2003 Over-specialization in Biostatistics and Medical Informatics, Ministerul Sănătății și Familiei, Centrul Național de Perfecționare Postuniversitară a Medicilor, Farmaciștilor, altui Personal cu Studii Superioare și Asistenților Medicali.

PERSONAL SKILLS AND COMPETENCES

Mother tongue **Hungarian, Romanian**

Other language(s) **English**

Self-assessment

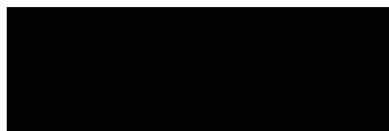
European level ()*

English

Understanding		Speaking				Writing			
Listening		Reading		Spoken interaction		Spoken production		Written expression	
B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user	B2	Independent user

(*) Common European Framework of Reference for Languages

Social skills and competences Team spirit; excellent interpersonal and communication skills.



CURRICULUM VITAE EUROPASS Lecturer Gheorghe Zsolt NICULA, MD, PhD



Organisational skills and competences	Good experience in project management. Expertise in co-ordinating student research projects and teaching activities.
Technical skills and competences	Techniques of optical microscopy and scanning electron microscopy.
Computer skills and competences	Good knowledge of various software: Microsoft Office, Adobe Acrobat Reader, Adobe Photo Shop, Olympus Microlmage, Cell^D Soft, TEST Editor, TEST Corector and Digi-Doc Software.
Driving Licence	-

ADDITIONAL INFORMATION Publications

Coauthor and main author of **15 scientific papers, in extenso** (12 ISI papers), **1 book** and **2 book chapters**.
Scientometric indicator: h-INDEX Web of Science = 3 (in conformity with www.webofscience.com, accessed on 11.10.2023).

Book published by a national publishing house:

Florea A, Nicula GZ, Vică ML. *Biologie aplicată în Investigația Criminalistică și în Medicina Legală. Curs pentru anul I al programului de masterat Cercetări avansate în Investigația Criminalistică și în Medicina Legală*. Editura Medicală Universitară „Iuliu Hațieganu” Cluj-Napoca, România, 2020. ISBN 978-973-693-945-7.

2 book chapters published by a national publishing house:

1. Nicula GZ. „Studiu comparativ al costurilor anuale ale încălzirii și furnizării apei calde menajere pentru un apartament racordat la rețeaua centrală de termoficare față de un apartament similar cu o microcentrală termică pe bază de gaze naturale”. în *Efecte negative multiple ale înlocuirii sistemelor centralizate de încălzire a blocurilor de locuințe din România cu dispozitive termice individuale alimentate cu gaz natural (microcentrale „de apartament”, convectoare etc.)*. vol.1 (ed rom-engl); Benga G, Fowler D, Haiduc I, Năstase IM, vol. eds. Editura Medicală Universitară „Iuliu Hațieganu”, Cluj-Napoca, 2004, Ed. a-2-a; ISBN 973-8385-88-1.

2. Ciurchea V, Nicula GZ. „Exemple privind consecințele medico-sociale ale nocivității gazelor de ardere emise în aerul respirabil de microcentralele termice de apartament”. în *Efecte negative multiple ale înlocuirii sistemelor centralizate de încălzire a blocurilor de locuințe din România cu dispozitive termice individuale alimentate cu gaz natural (microcentrale „de apartament”, convectoare etc.)*. vol.1 (ed rom-engl); Benga G, Fowler D, Haiduc I, Năstase IM, vol. eds. Editura Medicală Universitară „Iuliu Hațieganu”, Cluj-Napoca, 2004, Ed. a-2-a; ISBN 973-8385-88-1.



List of scientific papers:

1. Chiorean A-D, Vica ML, Bălici Ș, **Nicula GZ**, Răcățăianu N, Bordea MA, Simon L-M, Matei HV. The C55A Single Nucleotide Polymorphism in CTLA-4 Gene, a New Possible Biomarker in Thyroid Autoimmune Pathology Such as Hashimoto's Thyroiditis. *Diagnostics*. 2023; 13(15):2517. <https://doi.org/10.3390/diagnostics13152517>. IF(2022)=3.6.
2. Teodoru CA, Cerghedeian-Florea M-E, Tănăsescu C, Dura H, Fleacă R, Munteanu M, Stanca H, Popescu FG, Roman MD, **Nicula GZ**, et al. Evaluation of Ocular Biometric Parameters Following Cataract Surgery. *Reports*. 2023; 6(1):3. <https://doi.org/10.3390/reports6010003>. IF(2022)=0.9.
3. Vuscan M., Vica M., Balici S., **Nicula G.**, Rusu S., Siserman C., Coman H., Matei H. Association of HLA class II alleles with suicidal behavior in a Transylvanian population. *Revista Romana de Medicina de Laborator*. 2023;31(1): 15-24. <https://doi.org/10.2478/rrlm-2023-0001>. IF(2022)=0.5.
4. Cîmpean SI, Pop-Ciutrla I-S, Matei S-R, Colosi IA, Costache C, **Nicula GZ**, Badea IC, Colceriu Burtea L. Effectiveness of Different Final Irrigation Procedures on *Enterococcus faecalis* Infected Root Canals: An In Vitro Evaluation. *Materials*. 2022; 15(19):6688. <https://doi.org/10.3390/ma15196688>. IF(2022)=3.4.
5. Bălici Ș, Rusu D, Páll E, Filip M, Chirilă F, **Nicula GZ**, Vică ML, Ungur R, Matei HV, Fiț NI. In Vitro Antibacterial Susceptibility of Different Pathogens to Thirty Nano-Polyoxometalates. *Pharmaceuticals*. 2022; 15(1):33. <https://doi.org/10.3390/ph15010033>. IF(2022)=4.6.
6. Matei HV, Vică ML*, Ciucă I, Coman HG, **Nicula GZ**, Siserman CV. Correlations Among the HLA-DQB1 Alleles and Suicidal Behavior. *Journal of Forensic Sciences*. 2020; 65(1):166-169. ISSN: 0022-1198; WOS:000481071300001; DOI:10.1111/1556-4029.14166. IF(2018)=1.438, Q3 in 2018.
7. Vică ML, Matei HV, Bondor CI, **Nicula GZ**, Siserman CV, Loga L, Dican L. HLA Polymorphisms and Haplotype Diversity in Transylvania, Romania. *Journal of Immunology Research*. 2019; 2019:13 pages. DOI: 10.1155/2019/1342762. IF(2018)=3.404, Q2 in 2018
8. Bălici Ș, Șuşman S, Rusu D, **Nicula GZ**, Sorîțau O, Rusu M, Biriș AS, Matei H. Differentiation of Stem Cells into Insulin-Producing Cells under the Influence of Nanostructural Polyoxometalates. *Journal of Applied Toxicology*, 2016; 36(3):373-384. WOS:000370152600004; DOI: 10.1002/jat.3218; ISSN: 0260-437X, eISSN: 1099-1263. IF(2016)=3.159. Q2.
9. Bălici Ș, Wankeu-Nya M, Rusu D, **Nicula GZ**, Rusu M, Florea A, Matei H. Ultrastructural Analysis of *In Vivo* Hypoglycemic Effect of Two Polyoxometalates in Rats with Streptozotocin-Induced Diabetes. *Microscopy and Micro-analysis*, 2015; 21(5):1236-1248. WOS:000362950300018; DOI:10.1017/S1431927615015020; ISSN: 1431-9276, eISSN: 1435-8115. IF(2015)=1.730. Q2.
10. Gulie (Căș. Kui) A. I., **Nicula Gh. Z.**, Popescu C., Mironescu E., Badea M. Comparative evaluation of the apical sealing ability of four dental materials used in endodontic surgery – an *in vitro* study. *Studia UBB Chemia*, 2015; 60(2):59-70. WOS:000369161800005; ISSN: 1224-7154. IF(2015) = 0,148. Q4.



11. Lăbuneț A., Olteanu C., **Nicula G.**, Badea M. Comparative *in vitro* study on the bond strength of two orthodontic adhesives after dental bleaching. *Journal of Environmental Protection and Ecology*, **2015**; 16(3):1109–1116; WOS:000363091800035; ISSN: 1311-5065. IF(2015)= 0,734. Q4.

12. **Nicula GZ**, Vică ML, Popa D, Bâlici Ș, Matei H, Siserman C. Aspects of Particulate Matter in Cigarette Smoke and Car Engines Emission Fuelled by Gasoline Observed by Scanning Electron Microscopy. *Journal of Environmental Protection and Ecology*, **2014**; 15(1):23-29. WOS:000334131100004; ISSN: 1311-5065. IF(2014)=0,838. Q4.

13. Săraci G, Florea A, **Nicula G**, Ionuț D, Pascu O. Short term efficiency of proton pump inhibitors in Barrett's oesophagus. *Medicina Modernă*, **2011**; 18(3):147-151. ISSN 1223-0472. BDI.

14. **Nicula GZ**, Munteanu R, Bâlici Ș, Siserman C, Popa M. Deaths Caused by Acute Carbon Monoxide Intoxication Recorded Between 2005 and 2008 in Cluj County, Romania. *Clujul Medical*, 2011; 84(3):423-425. ISSN: 1222-2119, eISSN: 2066-8872. BDI.

15. **Nicula G**, Bâlici Ș, Florea A, Mironescu E, Munteanu R, Murea P, Benga G. Scanning Electron Microscopic Aspects of Particulate Matter in the Exhaust (Emission) of "Apartment" Heating Appliances Fuelled by Natural Gas. *Annals of The Romanian Society for Cell Biology*, **2010**; XV(2):22-25. ISSN: 1583-6258, ISSN: 2067-3019. BDI.

Grants Project Director (mobility grants):

1. National grant entitled: „Polyoxometalates' Antitumor Activity tested on HeLa Cancer Cells Line”, won in the competition organized by UEFISCDI in 2019. Mobility project for researchers, Code: PN-III-P1-1.1-MC-2019-2223 „24th World Congress on Advances in Oncology, and 24th International Symposium on Molecular Medicine, 10-12 October 2019, Sparta, Greece”, 10-12 October 2019. Value: 6.787,00 lei (RON).

2. National grant entitled: „Red Blood Cell Membranes Changes in Streptozotocin-Induced Diabetic Rats”, won in the competition organized by UEFISCDI in 2018. Mobility project for researchers, Code: PN-III-P1-1.1-MC-2018-2553 „23th World Congress on Advances in Oncology and 22nd International Symposium on Molecular Medicine, Athens, Greece, 20-22 September 2018”, 20-22 September 2018. Value: 6.646,44 lei (RON).

Team member of national grant entitled „Completarea echipamentelor Centrului de Medicină Moleculară din cadrul Catedrei de Biologie Celulară și Moleculară a Universității de Medicină și Farmacie „Iuliu Hațieganu” din Cluj-Napoca. Grant Type E Cod CNCSIS 174/2004; director Prof. Dr. Gheorghe Benga; value 800.000.000 lei (ROL).

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Affiliation to scientific societies Colegiul Medicilor din România;
Societatea Română (Națională) de Biologie Celulară, 2004-present;
European Organization for Cell Biology (EOCB), din 2003-present affiliate
at International Federation for Cell Biology (IOCB), <http://www.ifcbiol.com>
Balkan Environmental Association, <http://benaweb.gr/>

Prizes 4 prizes:

2017: 1st Prize for Poster Presentation awarded by Balkan Environmental Association International U.A.B. - B.EN.A. in Effect of Pollution on Health – Cell Biology and Molecular Medicine Perspectives: Ultrastructural Identification and Characterization of PM from Cigarette Smoke with Different Tar Concentration. Authors: Popa D, Vică ML, Bâlici Ș, Siserman C, Matei HV, **Nicula GZ**. 6th Edition of International U.A.B. – B.EN.A. Conference Environmental Engineering and Sustainable Development. 25-27 May 2017, Alba-Iulia, România.

2015: 1st Prize for Poster Presentation awarded by Faculty of Medicine, Poster Section in Fundamental Sciences: Differentiation of Stem Cells into Insulin-Secreting Cells using Two Nano-polyoxotungstates. Authors: Bâlici Ș, Șuşman S, Rusu D, **Nicula GZ**, Sorîțau O, Rusu M, Biriș AS, Matei H. Annual Meeting of „Iuliu Hațieganu” University of Medicine and Pharmacy, 23-27 November 2015, Cluj-Napoca, România.

2015: Prize for published scientific paper in ISI journal classified in red zone, awarded by Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI), Code PN-II-RU-PRECISI-2015-9-9051: Ultrastructural Analysis of In Vivo Hypoglycemia and Effect of Two Polyoxometalates in Rats with Streptozotocin-Induced Diabetes. Bâlici Ș, Wankeu-Nya M, Rusu D, **Nicula GZ**, Rusu M, Florea A, Matei H. Microscopy and Microanalysis. 2015; 21(5):1236-1248. WOS:000362950300018; DOI:10.1017/S1431927615015020; ISSN: 1431-9276, eISSN: 1435-8115. IF(2015)=1.730.

2013: 2nd Prize for Poster Presentation awarded by Balkan Environmental Association International U.A.B. - B.EN.A.: Scanning electron microscopic aspects of particulate matter in the cigarette smoke and emission of car engines fuelled by gasoline. Authors: **Nicula GZ**, Vică ML, Popa D, Bâlici Ș, Siserman C. The 2nd International Conference – Research and Education in Natural Sciences Rens 2013. 15-16 November 2013, Shkoder, Albania.

Cluj-Napoca,
11.10.2023

Gheorghe Zsolt NICULA

