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Daniela Lixandru



✉ danielalixandru@gmail.com

ORCID ID: 0000-0001-7526-1844

Researcher ID: U-4330-2017

Sex F | Date of birth 24/01/1977 | Nationality Romanian

WORK EXPERIENCE

2013-present	Lecturer, PhD
2006-2013	Assistant
2006-2011	PhD Student
2004-2006	Junior Assistant
2002-2004	Associate Research Project
Name and address of employer	University of Medicine and Pharmacy "Carol Davila" 8, Eroii Sanitari Street, zip code 050474, Bucharest, Romania
2018-present	Research Assistant
Name and address of employer	Center of Excellence in Translational Medicine (CEMT), Fundeni Clinical Institute 258, Fundeni Street, zip code 022328, Bucharest, Romania
Main activities and responsibilities	Teaching and research activities: <ul style="list-style-type: none"> • Biochemistry course for first year students and Clinical Biochemistry course for 3rd year students of the Faculty of Midwife and Medical Assistance • Teaching biochemistry practical laboratories to the first year students at Faculty of Medicine and Faculty of Midwife and Medical Assistance (Romanian and English Module) • Coordination of licence and dissertation thesis • Member of the working team of 15 research projects, of which 3 international (2002 – present) • 2 national projects as project leader

EDUCATION AND TRAINING

2011 - 2013	Postdoctoral Researcher Institute of Biochemistry, Romanian Academy, Bucharest, Romania Postdoctoral Thesis " Molecular mechanisms of endoplasmic reticulum stress and apoptosis in β-pancreatic cells ", POSDRU/89/1.5/S/60746 (Coordinator: Dr. Stefana Petrescu)
2006 - 2011	PhD Student Centre of Immunology, Institute of Virology "St.S. Nicolau", Romanian Academy, Bucharest, Romania Thesis: " Study on the interactions between lipids, carbohydrates, protein, antioxidants and blood cells – the relevance on diabetes mellitus complications profile " (<i>in vivo and in vitro studies</i>). Public defence: 20.12.2010 (Coordinator: Dr. Lorelei Brasoveanu); Ministerial Order no 4387/06.06.2011
2002 - 2004	M.Sc in "Molecular Biology and Biochemistry" University of Bucharest, Faculty of Biology, Bucharest, Romania Thesis: " Variations of stress oxidative parameters in chronical renal failure. The effects of haemodialysis "
1998 - 2002	Diploma of Biochemist University of Bucharest, Faculty of Biology, Bucharest, Romania Thesis: " Studies on adhesion molecules implication in human cancer "

Personal skills and competences

I have experience in working with human blood as well as with cell cultures (primary cultures and cell lines as U937, THP-1, INS-1E, β -TC3; MiaPaca2, PANC1, HT-29, A2780, SKOV3). Techniques: UV-VIS spectrophotometric determinations, ELISA, SDS-PAGE, Western Blot, chemiluminescence, PCR, real-time PCR, gluco and lipotoxicity study, Microarray analysis, target miRNA analysis

Mother tongue Romanian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
French	A2	A2	A1	A1	A1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills

- Good communication skills gained through 15 years teaching experience
- Ability to adapt to multicultural environments, participation in national and international scientific events
- Constancy and perseverance in activity
- Adaptability to changes

Organisational / managerial skills

- 2015 Member of the organizing committee of the „**4th International Symposium on Adipobiology and Adipopharmacology (ISAA)** held in Bucharest 28-31 October 2015, Romanian Academy
- 2014 - 2017 Project Leader for 2 national project
- Coordinator for 20 diploma projects (UMF "Carol Davila")
- Coordinator for 2 master projects: 1 Endocrinology Laboratory, Antwerp University, Belgium (2008); 1 UMF "Carol Davila", FMAM (2016)
- 2012 – Project Manager Course (S.C. Schultz Consulting SRL), Bucharest, Romania
- 2009 – Project Manager Course (IraTestConsult SRL), Bucharest, Romania
- 2007 – Real –time PCR course, TATAA, Ghent, Belgium
- 2005 – „Modern Biophysical Technique for Human Health” Course, Braşov, Romania

Driving licence Driving licence category B (since 2006)

Honours and awards

2015 - PostDoc Prize (award recognized by Romanian Medical Association)
2012 - 1 „Best Poster” prize „The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology (RSBMB) & The Conference on Cellular and Molecular Biotechnologies on Medical Applications”, 13-14 September 2012, Bucharest, Romania
2011, 2013, 2014 - 5 prizes for “Best Poster” to the Medical Association Congress, Bucharest, Romania
3 CNCSIS prizes for 2 ISI articles (*Clin Chem Lab Med.* 2008 and *Alzheimer Dis. Assoc. Disor.* 2015, *Free Radical Research* 2017);

Membership

Member of the Romanian Society of Biochemistry and Molecular Biology (RSBMB) from 2004; „European Association for the Study of Diabetes (EASD) from 2012; „Proceedings of the Romanian Academy Series B: Chemistry, Life Science and Geoscience” – Assistant Scientific Secretary Editor from 2012; Member of Romanian Medical Association from 2013

Fellowship

2016-2017 Fellowship for research project „**Communication between human adipocytes and human carcinoma cells: underpinning the EMT potential of altered adipokine profiles**”, Maastricht University, FHML, NUTRIM School, Dept. Human Biology, Maastricht, Holand (8 months)
2012 - Fellowship in order to attend to the „22nd IUBMB and 37th FEBS Congress”, 4-9 September 2012, Sevilla Spain
2010 - Young Science Forum (YSF) Fellowship in order to attend to the 35th FEBS Congress, 23 June-1 July 2010; Gothenburg, Sweden
2007 -2008 - Fellowship for research project „**Atherogenicity of the postprandial state in diabetes mellitus: study on the interactions between lipids, antioxidants and monocytes**”; Endocrinology Laboratory, Antwerp, Belgium (1 year)
2005, 2006 Fellowship for bilateral research project "**Between-country comparative study on the relationship between dietary habits, nutritional and oxidative stress status and complications in diabetes mellitus**" Endocrinology Laboratory, Antwerp, Belgium (4 months)

Books

Co-author for 5 books for medical students

MORE INFORMATION

RESEARCH PROJECTS	15
International	3
National	12
Project leader	2
Member	13
PUBLICATIONS	44
ISI Indexed	27
CNCSIS B+/PubMed/BDI	17
PARTICIPATION WITH PAPERS AT SCIENTIFIC SESSIONS	115
Posters	93
Presented at international congresses / conferences	70
Presented at national congresses / conferences	23
Oral presentations	22
Books/Chapters (co-author)	5
IMPACT OF SCIENTIFIC ACTIVITY	
Cumulative Impact Factor ISI	44.10
Hirsh-Index - Web of Science	7
Hirsh-Index - Scopus	8
Hirsh-Index - Google Scholar	9
Researchgate Score	25.91
Citations Web of Science	102
Citations Scopus	138
Citations Google Scholar	217

LIST OF PUBLICATIONS (SELECTED)

- Liviu Iosif, **Daniela Lixandru**, Laura Gaman, Mihaela Ilie, Bogdan Smeu, Diana Simona Ștefan, Laura Petcu, Ariana Picu, Alina Constantin, Constantin Ionescu-Tîrgoviste, Cristian Guja, Catalin Copaescu, Irina Stoian **Oxidative stress profile and type 2 diabetes remission at 6 months after sleeve gastrectomy versus conservatory treatment**, *Farmacia* vol 67 (1), 99-105; 2019 <http://www.revistafarmacia.ro/201901/issue12019art13.html> IF 1.507
- D. Lixandru**, P. Alexandru, A. Mihai, A. Roșca, C. Ionescu-Tîrgoviște, L.I. Brașoveanu & B. Manuel-y-Keenoy **Decreased paraoxonase 2 enzymatic activity in monocyte/macrophages cells. A comparative *in vivo* and *in vitro* study for diabetes**, *Free Radical Research*, 2017, <https://doi.org/10.1080/10715762.2017.1344983>, IF 3.188
- Stefan DS, Mihai A, Bajko D, **Lixandru D**, Petcu L, Picu A, Smeu B, Copăescu C, Ionescu-Tîrgoviște C, Guja C **Comparison of Sleeve Gastrectomy and Conservatory Treatment Effect on Biochemical and Hormonal Profile of Obese Type 2 Diabetes Subjects: CREDOR Randomized Controlled Study Results** *Rev Chem (Bucharest)* 68, 7, 2017 http://www.revistadechimie.ro/article_eng.asp?ID=5730 IF 1.412
- Mihaela Adriana Ghita, Constantin Caruntu, **Daniela Lixandru**, Adriana Pitea, Alexandra Batani, Daniel Boda **The Quest for Novel Biomarkers in Early Diagnosis of Diabetic Neuropathy**, *Current Proteomics*, 14, 1-14, 2017 DOI:10.2174/1570164614666161228122259, IF 0.59
- Ariana Picu, Laura Petcu, Simona Ștefan, Manuela Mitu, **Daniela Lixandru**, Constantin Ionescu-Tîrgoviste, Gratiela Grădistanu Pîrcălăbioru, Felicia Ciulu-Costinescu, Maria-Viorica Bubulica, Mariana Carmen Chifiriuc, **Markers of Oxidative Stress and Antioxidant Defense in Romanian Patients with Type 2 Diabetes Mellitus and Obesity** *Molecules*, 22, 714; 2017 doi:10.3390/molecules22050714, IF 2.861
- Daniela Lixandru**, Liliana Moraru, Petruta Alexandru, Irina Stoian, Adelina Rosca, Mihaela Ghita, Constantin Caruntu, Ana Caruntu, Constantin Ionescu-Tîrgoviste, Cristian Guja **Implications of antioxidant enzyme paraoxonase 2 in insulin synthesis and secretion** *REV.CHIM. (Bucharest)*, 67, No. 11, 2016 IF 1.232

7. Rodica Doros, **Daniela Lixandru**, Laura Petcu, Janeta Tudosoiu, Manuela Mitu, Ariana Picu, Constantin Ionescu-Tîrgoviste, Cristian Guja **Resting Metabolic rate in type 2 diabetes – Accuracy of predictive equations** *Rom Biotech Letters* Vol. 22, No. 6, 2016, IF 0.381
8. Andrada Mihai, **Daniela Lixandru**, Petruța Alexandru, Irina Stoian, Simona Carniciu, Manuela Mitu, Cristian Guja, Constantin Ionescu-Tîrgoviște **Negative association between paraoxonase 2, anthropometric markers and metabolic syndrome** *Open Life Sci.* 10, 365-371, 2015 IF 0.710
9. **Daniela Lixandru**, Elena Violeta Băcanu, Bogdana Vîrgolici, Horia Vîrgolici, Alexandru Petruța, Marius Emil Băcanu, Paul Gagniuc, Constantin Ionescu-Tîrgoviște, Cristian Serafinceanu **Changes in the serum proinflammatory cytokines in patients with elevated HOMA-IR and type 2 diabetes mellitus** *Farmacia*, vol 63 (1), pp. 132 -139, 2015 IF 1.251
10. E.V. Băcanu, **D. Lixandru**, C. Serafinceanu **The association between adipokines, insulin resistance markers and microalbuminuria in obese type 2 diabetic patients** *Acta Endocrinologica (Buc)*, vol. X, no. 2, 228-237, 2014 IF 0.45
11. Gilca M, **Lixandru D**, Gaman L, Vîrgolici B, Atanasiu V, Stoian I. **Erythrocyte membrane stability to hydrogen peroxide is decreased in Alzheimer's disease.** *Alzheimer Dis. Assoc. Disord.*, Oct-Dec;28 (4):358-63.doi: 10.1097/WAD.000000000000026. 2014 IF 2.728
12. Capusa C, Stoian I, Rus E, **Lixandru D**, Barbulescu C, Mircescu G: **Does Dialysis Modality Influence the Oxidative Stress of Uremic Patients.** *Kidney Blood Press Res*; 35: 220-225; 2012 (DOI: 10.1159/000331560) IF 1.464
13. Elena Violeta Bacanu, **Daniela Lixandru**, Irina Stoian, Bogdana Virgolici, Maria Mohora, Niculina Mitrea, Constantin Ionescu-Tirgoviste **Correlations between obesity antropometric markers, adipocytokines and monocytes oxidative stress status in type 2 diabetic patiens** *Farmacia*, vol 60 (1), 21-32, 2012, IF 1.251
14. **Daniela Lixandru**, Maria Mohora, Anca Coman, Irina Stoian, Carolien Van Gils, Petra Aerts, Begona Manuel-y-Keenoy **Diet and paraoxonase 1 enzymatic activity in diabetic food patients from Romania and Belgium: favourable association of high flavonoid dietary intakes and arylesterase activity,** *Annals of Nutrition and Metabolism*, vol 56, no 4, 294-301, 2010 IF 2.461
15. Sfrent-Cornateanu R, Mihai C, Stoian I, **Lixandru D**, Bara C, Moldoveanu E. **Antioxidant defence capacity in scleroderma patients** *Clin Chem Lab Med.*; 46(6): 836-41. PMID: 18601607; 2008 IF 2.150