

## PERSONAL INFORMATION

## Daniela Lixandru

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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	<b>Teaching and research activities:</b> <ul style="list-style-type: none"> <li>• Biochemistry course for first year students and Clinical Biochemistry course for 3<sup>rd</sup> year students of the Faculty of Midwife and Medical Assistance</li> <li>• Teaching biochemistry practical laboratories to the first year students at Faculty of Medicine and Faculty of Midwife and Medical Assistance (Romanian and English Module)</li> <li>• Coordination of licence and dissertation thesis</li> <li>• Member of the working team of 15 research projects, of which 3 international (2002 – present)</li> <li>• 2 national projects as project leader</li> </ul>

## EDUCATION AND TRAINING

2011 - 2013	<b>Postdoctoral Researcher</b> Institute of Biochemistry, Romanian Academy, Bucharest, Romania Postdoctoral Thesis " <b>Molecular mechanisms of endoplasmic reticulum stress and apoptosis in <math>\beta</math>-pancreatic cells</b> ", POSDRU/89/1.5/S/60746 (Coordinator: Dr. Stefana Petrescu)
2006 - 2011	<b>PhD Student</b> Centre of Immunology, Institute of Virology "St.S. Nicolau", Romanian Academy, Bucharest, Romania Thesis: " <b>Study on the interactions between lipids, carbohydrates, protein, antioxidants and blood cells – the relevance on diabetes mellitus complications profile</b> " ( <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	<b>M.Sc in "Molecular Biology and Biochemistry"</b> University of Bucharest, Faculty of Biology, Bucharest, Romania Thesis: " <b>Variations of stress oxidative parameters in chronic renal failure. The effects of haemodialysis</b> "
1998 - 2002	<b>Diploma of Biochemist</b> University of Bucharest, Faculty of Biology, Bucharest, Romania Thesis: " <b>Studies on adhesion molecules implication in human cancer</b> "

## 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,  $\beta$ -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, Belgia
- 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 „22<sup>nd</sup> IUBMB and 37<sup>th</sup> FEBS Congress”, 4-9 September 2012, Sevilla Spain  
**2010 - Young Science Forum (YSF) Fellowship** in order to attend to the 35<sup>th</sup> 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**

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

**LIST OF PUBLICATIONS (SELECTED)**

1. Liviu Iosif, **Daniela Lixandru**, Laura Gaman, Mihaela Ilie, Bogdan Smeu, Diana Simona Ștefan, Laura Petcu, Ariana Picu, Alina Constantin, Constantin Ionescu-Tirgoviste, 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
2. **D. Lixandru**, P. Alexandru, A. Mihai, A. Roșca, C. Ionescu-Tirgovite, 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
3. Stefan DS, Mihai A, Bajko D, **Lixandru D**, Petcu L, Picu A, Smeu B, Copăescu C, Ionescu-Tirgovite 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](http://www.revistadechimie.ro/article_eng.asp?ID=5730) IF 1.412
4. 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
5. Ariana Picu, Laura Petcu, Simona Ștefan, Manuela Mitu, **Daniela Lixandru**, Constantin Ionescu-Tirgoviste, Gratiela Grădisteanu 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
6. **Daniela Lixandru**, Liliana Moraru, Petruta Alexandru, Irina Stoian, Adelina Rosca, Mihaela Ghita, Constantin Caruntu, Ana Caruntu, Constantin Ionescu-Tirgoviste, 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