

Curriculum Vitae

Personal information

IOANA RADA ILIE
First name / Surname

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Nationality Romanian

Date and place of birth 29.11.1977, SIGHETU MARMATIEI

Marital status

Professional experience

Dates **October 2012 - present**

Occupation or position held Senior Lecturer

Name and address of employer 'Iuliu Hatieganu' University of Medicine and Pharmacy, Cluj Napoca, The Faculty of General Medicine, The Department of Endocrinology

Dates **October 2007 – September 2012**

Occupation or position held Assistant Lecturer

Name and address of employer 'Iuliu Hatieganu' University of Medicine and Pharmacy, Cluj Napoca, The Faculty of General Medicine, The Department of Endocrinology

Main activities (Scientific contributions)

a. SCIENTIFIC RESEARCH PAPERS ELABORATED AND/OR PUBLISHED ISI ARTICLES

1. Lucian Mocan, Ioana Ilie, Flaviu A. Tabaran, Cornel Iancu, Ofelia Mosteanu, Teodora Pop, Claudiu Zdrehus, Dana Bartos, Teodora Mocan, and Cristian Matea. "Selective Laser Ablation of Methicillin-Resistant Staphylococcus Aureus with IgG Functionalized Multi-Walled Carbon Nanotubes". J. Biomed. Nanotechnol. 12, 781-788 (2016)
2. Georgescu, C. E.; Goia-Socol, M.; Marian, I.; et al. Adipocytokines, insulin resistance and androgen excess in women. European Journal of Clinical Investigation Volume: 45, 2015, Pages: 18
3. Ilie IR, Georgescu C. Polycystic Ovary Syndrome-Epigenetic Mechanisms and Aberrant MicroRNA. Adv Clin Chem. 2015;71:25-45
4. Ghibu, Steliana; Ilie, Ioana; Muresan, Adriana; et al. PERSPECTIVES IN THE EXPERIMENTAL STUDY OF THE METABOLIC SYNDROME Farmacia Volume: 63 Issue: 4; 2015, 482-486
5. Mocan T, Matea CT, Cojocaru I, Ilie I, Tabaran FA, Zaharie F, Iancu C, Bartos D, Mocan L. Photothermal Treatment of Human Pancreatic Cancer Using PEGylated Multi-Walled Carbon Nanotubes Induces Apoptosis by Triggering Mitochondrial Membrane Depolarization Mechanism. J Cancer. 2014 Sep 5;5(8):679-88. doi: 10.7150/jca.9481. eCollection 2014
6. Mocan L, Ilie I, Matea C, Tabaran F, Kalman E, Iancu C, Mocan T. Surface plasmon resonance-induced

photoactivation of gold nanoparticles as bactericidal agents against methicillin-resistant *Staphylococcus aureus*. *Int J Nanomedicine*. 2014 Mar 22;9:1453-61. doi: 10.2147/IJN.S54950. eCollection 2014.

7. Mocan L, Ilie I, Tabaran FA, Dana B, Zaharie F, Zdrehus C, Puia C, Mocan T, Muntean V, Teodora P, Ofelia M, Marcel T, Iancu C. Surface plasmon resonance-induced photoactivation of gold nanoparticles as mitochondria-targeted therapeutic agents for pancreatic cancer. *Expert Opin Ther Targets*. 2013 Dec;17(12):1383-93. doi: 10.1517/14728222.2013.855200. Epub 2013 Nov 5
8. Ilie I, Ilie R, Mocan T, Tabaran F, Iancu C, Mocan L. Nicotinamide-functionalized multiwalled carbon nanotubes increase insulin production in pancreatic beta cells via MIF pathway. *Int J Nanomedicine*. 2013;8:3345-53. doi: 10.2147/IJN.S48223. Epub 2013 Aug 30.
9. Ilie IR, Marian I, Mocan T, Ilie R, Mocan L, Duncea I, Pepene C. Ethinylestradiol30ug-drospirenone and metformin: could this combination improve endothelial dysfunction in polycystic ovary syndrome? *BMC Endocr Disord*. 2012 Jun 19;12(1):9
10. Ilie I., Ilie R., Mocan T, Bartos D, Mocan L.: "The influence of nanomaterials on stem cell differentiation - designing an appropriate nanobio-interface", *International Journal of Nanomedicine*, 2012;7:2211-25
11. Duncea, I.; Crisan, L.; Ilie, I.; et al.: "Cytotoxic T-Lymphocyte Antigen 4 (Ctla-4)-1661 A/G and-658 C/T Gene Polymorphisms in Autoimmune Thyroid Diseases: A Pilot Study", *Acta Endocrinologica-Bucharest Vol 7 (3)*, 413-423, JUL-SEP 2011
12. Biris, A.R., Ardelean, S., Lupu, D., Misan, I., Iancu, C., Bartos, D.M., Ilie, I.R., Dervishi, E., Xu, Y., Biswas, A., Biris, A.S : "Studies on near infrared optical absorption, Raman scattering, and corresponding thermal properties of single- and double-walled carbon nanotubes for possible cancer targeting and laser-based ablation", *Carbon*, 49 (13), 4403-4411, 2011
13. F. Zaharie, L. Mocan, T. Mocan2, C. Tomus, V. Hodor, N. Al Hajjar, D. Munteanu, I. Puia1, O. Bala, R. Zaharie, O. Ilie, D. Bartos, A. Bartos, L. Vlad, C. Iancu: "Managementul chirurgical în urgență al ocuziilor prin cancer colonice si rectale"("The surgical management of occlusions in colongi and rectal cancer in emergency situations"), *Chirurgia*, 106 (4), 479-484, 2011
14. Mocan L, Tabaran F, Mocan T, Bele C, Orza A, Lucan C, Stiufiuc R, Manaila (Ilie) I, Ferencz I, Iancu D, Zaharie F, Vlad L, Iancu C "Selective ex vivo photothermal ablation of human pancreatic cancer with albumin functionalized multi-walled carbon nanotubes", *Int J Nanomedicin*, 28;6:915-928, 2011
15. Carmen E. Pepene, Ioana Ilie, Ioan Marian, Ileana Duncea: "Circulating osteoprotegerin and soluble receptor activator of nuclear factor kappa β ligand in polycystic ovary syndrome: relationships to insulin resistance and endothelial dysfunction", *European Journal of Endocrinology*, vol 164, 61-68, 2011
16. Ioana R.Ilie, Carmen E. Pepene, Ioan Marian, Teodora Mocan, Georgeta Hazi, Gheorghe Dragotoiu, Razvan Ilie, Lucian Mocan and Ileana Duncea:"The polycystic ovary syndrome (PCOS) status and cardiovascular risk in young women", *Central European Journal of Medicine*, vol 6 (1), 64-75, 2011
17. .T. Mocan, S. Clichici, L. Agoșton-Coldea, L. Mocan, Ș. Șimon, I.R.Ilie, AR Biriș, A. Mureșan: "Implications of oxidative stress mechanisms in toxicity of nanoparticles", *Acta Physiologica Hungarica*, vol 97(3), 247-255, September 2010
18. Iancu C, Ilie IR, Georgescu CE, Ilie R, Biris AR, Mocan T, Mocan L, Zaharie F, Todea-Iancu D, Susman S, Rus Ciuca D, Biris AS "Applications of Nanomaterials in Cell Stem Therapies and the Onset of Nanomedicine", *Particulate Science and Technology*, 27: 6, 562 — 574, November 2009
19. Pepene C, Ilie IR, Seceleanu A, Gherghel D, Duncea I: "Co-existence of euthyroid Graves ophthalmopathy and isolated ocular myasthenia in a patient with vitiligo: a challenging diagnosis of auto-immune polyglandular syndrome-3C", *Neuro-Ophthalmology*, vol 33 (5), 268-272, October, 2009
20. Carmen E. Pepene, Ioana Ilie, Dan Mihiu, Horatiu Stan, Silviu Albu, Ileana Duncea: "Pituitary abcess followed by empty sella syndrome in an adolescent girl", *Pituitary*, vol 13 (4), 385-389, 2010
21. Carmen Georgescu, Ioana Ilie, A. Paul, D. Mihiu, Ioana Duncea, Teodora Mocan, Ileana Duncea:"Value of quantitative heel and proximal phalanges ultrasonograph versus dual X-ray absorptiometry in women aged 24-80 years", *Acta Endocrinologica (Buc)*, vol IV (3) 297-308, 2008
22. Ioana Ilie, Carmen Georgescu, Ileana Duncea, Razvan Ilie: "Vascular abnormalities and low-grade chronic inflammation in women with polycystic ovary syndrome: relationships with insulin resistance, obesity and hyperandrogenemia", *Central European Journal of Medicine*, vol 3(3), 257-270, September, 2008

NON-ISI ARTICLES (BDI articles)

1. Ilie IR, Ilie R, Mocan T. „Asian plants as a promising alternative to classic drugs in postmenopausal osteoporosis: A review of literature from clinical perspective”, *Journal of Medicinal Plants Research*, 6(18): pp. 3399 – 3406, 7 pg., 16 May 2012
2. Georgescu CE, Ilie IR, Brad C, Duncea I.: „Association between body composition and bone mineral density in healthy, non-obese, young Romanian adults and effects of menopause”, *Maedica (Buchar)*, 5(1): pp. 24-7, 4 pg., January 2010
3. Ilie IR & Ilie R. “Cytokines and Endometriosis - the Role of Immunological Alterations”, *Biotechnology, Molecular Biology and Nanomedicine*; 1(2): 1-7, 2013
4. Coman C, Tabaran F, Ilie I, Matea C, Iancu C, Mocan L and Mocan T. “Assessment of Silver Nanoparticles Toxicity in Human Red Blood Cells Using ELISA and Immunofluorescence Microscopy Techniques “. *BMBN*; 1(1): 61-65, 2013
5. Ilie IR & Ilie R. “Towards in Vitro Generation of Functional Insulin Producing Cell Lineage for Diabetes Therapy”. *BMBN*; 1(1): 44-52, 2013
6. Ilie IR & Ilie R. “Models of Regeneration of Beta Cells in Vivo”. *BMBN*; 1(1): 13-20, 2013
7. Razvan Ilie, Ioana Rada Ilie, Nicolae Costin, Horace Roman. “Endometriosis-associated pelvic pain”. *Obstetrica si Ginecologia LXI*: 187-197, 2013
8. Razvan Ilie and Ioana Ilie. The Implication of Angiogenesis in Endometriosis. *BMBN* 2014; 2(1): 5-12

b. BOOKS

1. Iancu C, Ilie IR, Mocan L, Georgescu C, Ilie R, Duncea I, Mocan T, Iancu D., Zaharie F. „Human Cord Blood-Derived Stem Cells in transplantation and regenerative medicine” in „ Stem Cells in Clinic and Research”, Ali Gholamrezanezhad (Ed.), ISBN: 978-953-307-797-0, InTech, August, 2011:21-58
2. Duncea I, Ghervan C, Georgescu C, Valea A, Lencu C, Ilie I. “Endocrinology”, Edited by the University of Medicine, Cluj-Napoca, 2011, ISBN 978-973-693-430-8
3. Ilie I, Georgescu C, Mocan L, Duncea I, Ilie R, Mocan T, Ghibu S, Iancu C. „The Polycystic Ovary Syndrome status -a risk factor for future cardiovascular disease” in *Recent Advances in Cardiovascular Risk Factors*, Prof. Mehnaz Atiq (Ed.), ISBN: 978-953-51-0321-9, InTech, Martie 2012:151-200
4. Mocan T, Iancu C, Agoston-Coldea L, Ilie IR, Mocan L, Muresan A. „Genotoxicity of nanoparticles” in “Nanomaterials and Hazard Assessment”, P.V.Mohanand (Ed.), ISSN: 9788192 334707; ISBN: 9788190362615, Educational Book Centre, Mumbai 400080, India, pp 116-131, 1st Edition, februarie 2012
5. Ioana Rada Ilie.” Endothelial injury in polycystic ovary syndrome—the effects of the treatment with metformin and the oral contraceptive: drospirenone/EE₃₀ µg „, in: *Polycystic ovary syndrome- diagnostic, therapeutical aspects and complications* –Ileana Duncea & Carmen Georgescu (Ed)-Cluj-Napoca:Risoprint, ISBN 978-973-53-0960-2, 2013, pp 51-72
6. Ioana Rada Ilie, Carmen Georgescu. “Functional Pancreatic neuroendocrine tumors-clinical features, natural history/Tumorile neuroendocrine pancreatice functionale-Tabloul clinic.Evolutia naturala. In “Tratat de Oncologie digestive”, vol III, Mircea Grigorescu, Alexandru Irimie, Mircea Beuran- Editura Academiei Romane, ISBN 978-973-27-2567-2, 2015, pp 700-721
7. Ilie I., Korbonits M. „Clinical Features of Acromegaly, Reference Module in Biomedical Sciences. Elsevier. 2-Dec-2016 doi:10.1016/B978-0-12-801238-3.95964-6
8. Ilie I., Korbonits M. „Diagnosis of Acromegaly, Reference Module in Biomedical Sciences. Elsevier. 2-Dec-2016 doi:10.1016/B978-0-12-801238-3.95965-8
9. Ilie I., “Thyroid gland” in” *Endocrinology for BFKT*”, Authors: Carmen Georgescu, Ana Valea, Ioana Ilie,

c. PRIZES

1. Prize for scientific paper of educational employee in the poster section , the section of medical science for: “Modifications of body composition and bone mineral density in postmenopausal women: the relationship with some clinic and metabolic parameters“, The Days of U.M.P. Iuliu Hatieganu”, 2-5 December, Cluj-Napoca, 2003; Authors: Georgescu C, Duncea I, Naumescu S, Filip I, Pop G, Manaila (Ilie) Ioana
2. Special prize for scientific paper, the poster section the section of medical science for “A comparative study between proximal phalanga ultrasonography and dual X-ray absorptiometry in establishing the risk of osteoporotic fractures in women”, 3-7 December, Cluj-Napoca, 2007; Authors: Carmen Georgescu, Ioana Ilie, Ileana Duncea
3. The “Eugenia Marcela Pitis” Prize for “The metabolic syndrome and cardiovascular risk in polycystic ovary syndrome”, The 3rd Congress of the Association of Clinical Endocrinology of Romania, 25-27September, Cluj-Napoca, 2008; Authors: Ioana Ilie, Carmen Georgescu, Ileana Duncea, Oana Fiscutean, Mihaela Moldovan
4. The “Rodica Dascalu” Prize for “Genetic predisposition toward autoimmune thyroid diseases related to CTLA4 gene polymorphism“,The 4th Congress of the Association of Clinical Endocrinology of Romania, 2-5 September, Constanta, 2009; Authors: Crişan L, Popp R, Georgescu C, Ilie I, Paul A, Crisan T, Brad C, Duncea I
5. Prize –as co-author of “Value of quantitative heel and proximal phalanges ultrasonograph versus dual X-ray absorptiometry in women aged 24-80 years”, Acta Endocrinologica (Buc), vol IV, no.3, pp 297-308, 2008 “, The Award Programme for the Results of the Research, the November 2008 Competition (CNCSIS CODE 172)
6. Prize – as co-author of “Pituitary abcess followed by empty sella syndrome in an adolescent girl”, Authors: Pepene CE, Ilie I, Miha D, Stan H, Albu S, Duncea I; Pituitary, vol 13 (4), pp 385-389, 2010. The Award Programme for the Results of the Research, the November 2008 Competition (COD CNCSIS 170)
7. Prize-as author of “Vascular abnormalities and low-grade chronic inflammation in women with polycystic ovary syndrome: relationships with insulin resistance, obesity and hyperandrogenemia”, Central European Journal of Medicine, vol 3(3), pp 257-270, September, 2008 at The Award Programme for the Results of the Research ,The November 2008 Competition (CNCSIS CODE 171)
8. Prize – as co-author of “Co-existence of euthyroid Graves ophthalmopathy and isolated ocular myasthenia in a patient with vitiligo: a challenging diagnosis of auto-immune polyglandular syndrome-3C”, Neuro-Ophthalmology, vol 33 (5), 268-272, October, 2009, The Award Programme for the Results of the Research, The Phase II 2009 Competition (CNCSIS CODE 1910)
9. Prize–as co-author of “Applications of Nanomaterials in Cell Stem Therapies and the Onset of Nanomedicine” published in ISI magazine Particulate Science and Technology, 27: 6, 562 — 574; November 2009, The Award Programme for the Results of the Research, The Phase III 2009 Competition (CNCSIS CODE 526)
10. The “C.I. Parhon” Prize for “Altered endothelial function in young women with polycystic ovary syndrome”, The 5th Congress of the Association of Clinical Endocrinology of Romania, 1-4 September, Galati-Braila, 2010; Authors: Ilie IR, Georgescu C, Zdrehus A, Marian I, Hazi G, Dragatoiu G, Mocan T, Ilie R, Duncea I
11. The I prize for “The circulating osteoprotegerin (OPG) and soluble receptor activator of nuclear factor kappa β ligand (sRANK) system in polycystic ovary syndrome (PCOS)”, The Days of U.M.P. “Iuliu Hatieganu”, 2010, the poster section, the section of medical science; Authors: Georgescu C, Ilie IR, Marian I, Brad C, Hazi Georgeta, Dragatoiu G, Duncea I
12. The “Eugenia Marcela Pitis” Prize for “Noi biomarkeri ai anomaliiilor endocrino-metabolice si vasculare in sindromul ovarelor micropolichistice –citokinele serice adipocitare si sistemul OPG/RANKL”(“New biomarkers in endocrinological—metabolic and vascular abnormalities in the polycystic ovarian syndrome – adipocyte serum cytokines and the OPG/RANKL system”), The 6th Congress of the Association of Clinical Endocrinology of Romania, 5 September, Arad, 2011; Authors: Carmen Georgescu, Ioana Ilie, Ioan Marian, Bianca Man, Cristian Brad, Georgeta Hazi, Gheorghe Dragatoiu, Ileana Duncea
13. Prize – as co-author of “Studies on near infrared optical absorption, Raman scattering, and corresponding

thermal properties of single- and double-walled carbon nanotubes for possible cancer targeting and laser-based ablation”. Authors: Biris AR, Ardelean S, Lupu D, Misan I, Iancu C, Bartos DM, Ilie IR, Dervishi E, Xu Y, Biswas A, Biris AS; Carbon Vol 49 (13); pp 4403-4411, 9 pg.; 2011. The Award Programme for the Results of the Research, the November 2011 Competition (COD CNCSIS PN-II-RU-PRECISI-2011-3-1283 /November 2011)

14. Prize – as co-author of “The influence of nanomaterials on stem cell differentiation - designing an appropriate nanobio-interface”. Authors: Ilie IR, Ilie R., Mocan T, Bartos D, Mocan L; International Journal of Nanomedicine Vol 7; pp 2211-25, 15 pg.; 2012. The Award Programme for the Results of the Research, the November 2011 Competition (COD CNCSIS PN-II-RU-PRECISI-2012-6-0665 /Nr.Crt. 660)
15. The Rodica Dascălu Prize for “Cum abordăm inflamația cronică din sindromul ovarelor micropolichistice?”, Authors: Ilie I, Georgescu C, Hazi G, Ilie R, Duncea I. The 7th Congress of the Association of Clinical Endocrinology of Romania, Bucharest; 5 -8 September 2012
16. The Stefan M.Milcu Prize for „ Diagnosis of MEN2A syndrome- -is detetation of RET mutation a challenging task?”, Authors: Ioana Ilie, Maria Miclaus, Andreea Catana, Ciprian Lucan, Cosmin Lisencu, Anca Giurgiu, Carmen Georgescu. The th Congress of the Association of Clinical Endocrinology of Romania, Constanta, 6 Sept, 2015
17. Prize – as co-author of „Selective Laser Ablation of Methicillin-Resistant Staphylococcus Aureus with IgG Functionalized Multi-Walled Carbon Nanotubes”, Authors: Lucian Mocan, Ioana Ilie, Flaviu A. Tabaran, Cornel Iancu, Ofelia Mosteanu, Teodora Pop, Claudiu Zdrehus, Dana Bartos, Teodora Mocan, and Cristian Matea J. Biomed. Nanotechnol. 12, 781-788 (2016). The Award Programme for the Results of the Research, the December, 9, 2016 Competition (PN-III-P1-1.1-PRECISI-2016-13010-Nr.14)

d. PARTICIPATIONS IN NATIONAL RESEARCH PROGRAMMES/CLINICAL STUDIES AS MEMBER

1. CNCSIS type A Grant, code 552 on “The osteoprotegerin/receptor activator of nuclear factor kappa β ligand in bone density and body composition determinism and the relationship with systemic hormones, adipokines and endothelial markers”, 2007-2008
2. PNCDI Grant –financing contract 41_068/2007 on “Clinical and experimental researches on persistent organic pollutants having the function of endocrine disruptors in human and animal biological environments and their implications in determining insulin-resistance/the metabolic syndrome”, 2007-2010
3. PNCDI Grant -41-009 on “The molecularly targeted therapy of the pancreatic neoplasm through the optical LASER resonant excitation of the carbon tubes chemically functionalized and cellular internalized. NANOPAN”, 2007-2010
4. PNCDI-42-115- “The photothermal selective therapy of the hepatocarcinoma through intracellular internalization and mechanisms of Laser activation of the functionalized bio-ligand carbon nanotubes.NANOHEP”, 2008-2011
5. PNCDI-42-111- “The colon-rectal cancer prophylaxis through the generation, the testing and the modulation of vaccines based on undifferentiated stem cells. VACSTEM”, 2008-2011
6. PN-II-PCCA-2011-3.1-1551- The plasmonic photothermal selective therapy in IR of the human hepatocarcinoma mediated by biofunctionalized gold nanoparticles
7. PN-II-PT-PCCA-2011-3.1-1586 “Nanomediata colon cancer prophylaxis in mice using a MUC-1-conjugated GoldNPs/ dendritic cells synergic vaccine. “

e. PARTICIPATIONS IN NATIONAL RESEARCH PROGRAMMES

1. PN-II-RU-PD-2011-3-0287 – “Controlled differentiation of mesenchymal stem cells into insulin-producing cells assisted by biofunctionalized carbon nanotubes”, 2011-2013 – **Project Leader**
2. PN-II-PT-PCCA-2011-3.2-1289 - „Photothermic nanotherapy for selective targeting of meticolino-rezistent aureus staphylocoque using bioconjugated gold nanoparticules” – **Scientific Leader** 2012-2015
3. Grant intern pentru cadre didactice- UMF Iuliu-Hatieganu NR. 1494 / 2 / 28.01.2014- “MicroRNAs dysregulation in polycystic ovary syndrome (PCOS) - identification of novel biomarkers of PCOS-related

cardio-metabolic risk”-**Project Leader**

f. BREVETS

1. 130737 A2 (51) A61K 33/24 (2006.01); A61P35/00 (2006.01) (21) a 2014 00414 (22) 02/06/2014 (41) 30/12/2015 //12/2015 (71) UMF Iuliu-Hatieganu, str Emil Isac Nr 13, Cluj-Napca, CJ, Ro, IRGH, Prof.Dr. O.Fodor, Cluj-Napoca, str. Constanta nr 5, (72), Mocan Lucian Constantin, str. Sitarilor Nr 55E, Ap2, Cluj-Napoca, Ro; Iancu Cornel, str.Horticultorilor, Nr.3A, Cluj-Napoca, Ro; Matea Cristian Tudor, Calea Floresti, Nr.131, Ap21, Cluj-Napoca, Ro; Ilie Ioana-Rada, str.Marginasa Nr.29C2, Cluj-Napoca, Ro; Mocan Teodora, str.Sitarilor, Nr 55E, Ap.2, Cluj-Napoca, Ro (54). Procedeu de obtinere a unui produs cu aplicabilitate in terapia fototermica optimizata a tumorilor hepatice (Method of obtaining of a product with applicability in the optimized photothermic therapy of liver tumors) ; RO-BOPI 12/2015 din 30.12.2015
2. (11) 130792 A2 (51) G01N 33/53 (2006.01) (21) a2014 00413 (22) 02/06/2014 (41) 30/12/2015 //12.2015 (71) IRGH, Prof.Dr. O.Fodor, Cluj-Napoca, str. Constanta nr 5, (72), Mocan Lucian Constantin, str. Sitarilor Nr 55E, Ap2, Cluj-Napoca, Ro; Matea Cristian Tudor, Calea Floresti, Nr.131, Ap21, Cluj-Napoca, Ro; Iancu Cornel, str.Horticultorilor, Nr.3A, Cluj-Napoca, Ro; Tabaran Alexandru-Flaviu, Sat Voievodeni Nr 28, Comuna Voievodeni, MS, Ro; Ilie Ioana-Rada, str.Marginasa Nr.29C2, Cluj-Napoca, Ro; Mocan Teodora, str.Sitarilor, Nr 55E, Ap.2, Cluj-Napoca, Ro (54). Procedeu de obtinere a unui produs nanostructurat cu aplicabilitate in profilaxia cancerului de pancreas (Method of obtaining of a nanostructured product with applicability in the prophylaxis of pancreatic cancer) ; RO-BOPI 12/2015 din 30.12.2015

g. CLINICAL STUDIES

1. A multicentric study with the theme “The evaluation of the vertebra fractures incidence under the treatment with bazedoxifen on women with postmenopausal osteoporosis”, 2005-2008
2. A comparative clinical study between dual X-ray absorptiometry and proximal phalanga ultrasonography in assessing the fracture risk– International Research Contract, 2006-2007
3. A phase II, randomized, active controlled, open label study of safety and efficacy of HM10560A a Long-acting rhGHHMC001 conjugate in treatment of subjects suffering from adult growth hormone deficiency (AGHD), 2013-subinvestigator
4. A Phase 3, Multicenter Study Designed to Evaluate the Efficacy and Safety of a Long Acting hGH Product (MOD-4023) in Adult Subjects with Growth Hormone Deficiency, 2014 -subinvestigator
5. NN8640-4054 REAL 1 trial, Studiu multicentric, multinațional, randomizat, cu grupuri paralele, controlat placebo (dublu orb) și controlat activ (deschis) care compară eficacitatea și siguranța administrării NNC0195-0092 o dată pe săptămână, cu administrarea placebo o dată pe săptămână și administrarea zilnică de Norditropin ® FlexPro ® timp de 35 săptămâni, cu o perioadă de extindere de 53 săptămâni, la adulți cu deficit de hormon de creștere, 2015- subinvestigator

h. PARTICIPATIONS AT NATIONAL AND INTERNATIONAL CONGRESSES (THE MOST RELEVANT PAPERS EXCEPT FOR THE ONES MENTIONED IN THE PRIZE SECTION)

1. C. Georgescu, C.Moraru, I.Ilie, C.Vonica, O.Panzariu, C.Socaciu. „Metabolomics, a novel approach to polycystic ovary syndrome”, The XXV Congress of Endocrinology, 21-24 June, 2017, Cluj-Napoca
2. M.Micalus, V.Mone, L.Terhes, I.Ilie. „Cushing’s disease with bilateral macronodular adrenal hyperplasia and primary hyperparathyroidism”. The XXV Congress of Endocrinology, 21-24 June, 2017, Cluj-Napoca
3. L.Terhes, M.Balea, M.Miclaus, I.Ilie. „ A case of severe short stature-Achondroplasia/hypochondroplasia?”. The XXV Congress of Endocrinology, 21-24 June, 2017, Cluj-Napoca
4. M.Balea, L.Terhes, M.Miclaus, I.Ilie. „Boucher –Neuhauser syndrome associated with pituitary dwarfism”. The XXV Congress of Endocrinology, 21-24 June, 2017, Cluj-Napoca
5. „Particularitatile tratamentului cu contraceptive orale in sinromul ovarelor micropolichistice”, Ioana Ilie, Carmen Georgescu, CONGRESUL COMUN AL SOCIETATILOR ROMANE DE ENDOCRINOLOGIE SI PSIHONEUROENDOCRINOLOGIE- CU PARTICIPARE INTERNATIONALA, BRASOV, HOTEL KRONWELL, 22-25 IUNIE 2016
6. „TUMORĂ NEUROENDOCRINĂ (TNE G2) CU GRAD REDUS DE MALIGNITATE, LA NIVELUL

VALVEI ILEO-CECALE, CU DETERMINĂRI SECUNDARE HEPATICE EVOLUTIVE”, IOANA RAMONA ILEA¹, ALEXANDRA CAZAN¹, ELENA BACIU¹, ILEANA MARIA ALINA DUNCEA^{1,2}, CRISTIAN BRAD³, IOANA RADA ILIE^{1,2} CONGRESUL COMUN AL SOCIETATILOR ROMANE DE ENDOCRINOLOGIE SI PSIHONEUROENDOCRINOLOGIE- CU PARTICIPARE INTERNATIONALA, BRASOV, HOTEL KRONWELL, 22-25 Iunie 2016

7. „Polycystic ovary syndrome is neither associated with chronic inflammation nor adipokine alterations”, Ioana Ilie, Hazi G., Man B., Brad C., Duncea I., Georgescu C. 2nd International Symposium on Advances in PCOS and Women’s Health, Belgrade, Serbia, 14-16 April 2016
8. „ Diagnosis of MEN2A syndrome- -is detection of RET mutation a challenging task?”Ioana Ilie, Maria Miclaus, Andreea Catana, Ciprian Lucan, Cosmin Lisencu, Anca Giurgiu, Carmen Georgescu. The th Congress of the Association of Clinical Endocrinology of Romania, Constanta, 6 Sept, 2015
9. Misdiagnosis in MEN2A syndrome - is detecting RET gene mutations a challenging task? Ioana Ilie, Andreea Catana, Ciprian Lucan, Cosmin Lisencu, Maria Miclaus, Anca Giurgiu, Carmen Georgescu. European Society of Endocrinology (ESE), 15th Postgraduate Training Course on Endocrinology, Diabetes and Metabolism, Cluj-Napoca, Romania, 27-30 November 2014
10. Complete posttherapeutical biochemical remission in a man with giant prolactinoma. Andrada Boanta, Ioana Ilie, Iulia Zagrean, Abigail Mensah, Ioana Stroe, Maria Cretu, Georgeta Hazi, Carmen E Georgescu. European Society of Endocrinology (ESE), 15th Postgraduate Training Course on Endocrinology, Diabetes and Metabolism, Cluj-Napoca, Romania, 27-30 November 2014
11. Aspecte clinice și diagnostice în tiroiditele infecțioase. Ioana R. Ilie, Adrian I Paul, Carmen E Georgescu. Congresului National de Boli Infecțioase, 18-20 septembrie 2014, Cluj-Napoca
12. Ioana Ilie, Ligia-Iunia Enasescu, Cosmin Lisencu, Andreea Cozma, Ileana Duncea, Carmen Georgescu. „Parathyroid carcinoma-a rare cause of primary hyperparathyroidism”, AECR, 3-6 Sept, Sibiu, 2014
13. Ileana Duncea, Ioana R Ilie, Monica Goia-Socol, Dana Gherghel & Carmen E Georgescu. „Coexistence of euthyroid ophthalmopathy and isolated ocular myasthenia gravis in a patient with vitiligo: a challenging diagnosis of APS-3C”, 15th European Congress of Endocrinology, 27 April-1 May, Copenhagen, 2013
14. Mirela Sanda Petrulea, Ioana Ilie, Ana Valea, Cristina Ghervan, Carmen Georgescu, Cezar Login, Adriana Muresan & Ileana Duncea „Vitamin E supplementation in the treatment of Graves’ disease”, 15th European Congress of Endocrinology, 27 April-1 May, Copenhagen, 2013
15. Ioana Ilie, Razvan Ilie, Ioan Marian, Teodora Mocan, Geta Hazi, Ileana Duncea, Carmen Georgescu. „The effects of the therapy with ethinylestradiol30μg-drospirenone + metformin on endothelial dysfunction in the polycystic ovary syndrome”, 15th International and 14th European Congress of Endocrinology, 5-9 May, 2012, Florence, Italy
16. Ioana Ilie, Georgescu C, Geta Hazi, Razvan Ilie, Ileana Duncea: “ How do we approach low-grade chronic inflammation in the polycystic ovary syndrome?”, The 7th Congress of the Association of Clinical Endocrinology of Romania, 5 -8 September, Bucharest, 2012
17. Ioana Ilie, Ioan Marian, Geta Hazi, Teodora Mocan, Razvan Ilie, Ileana Duncea, Carmen Georgescu: “Endothelial dysfunction in the polycystic ovary syndrome: the effect of the therapy etinilestradiole30μg - drospirenone + metformin”, The 6th Congress of the Association of Clinical Endocrinology of Romania, 5 September, Arad, 2011
18. Georgescu C, Ilie IR, Marian I, Man B, Brad C, Hazi G, Dragatoiu G, Duncea I; „Noi biomarkeri ai anomalilor endocrino-metabolice si vasculare in sindromul ovarelor micropolichistice –citokinele serice adipocitare si sistemul OPG/RANKL”, The 6th Congress of the Association of Clinical Endocrinology of Romania, Arad; 7-10 September 2011
19. Petrulea M, Duncea I, Ilie IR, Ghervan C, Socaciu M, Badea R; „Ecografia cu contrast si elastografia in evaluarea nodulilor tiroidieni: rezultate preliminare”, The 14th National Conference of the Romanian Society of Ultrasonography in Medicine and Biology, Medical Ultrasonography, vol 13, supplement 1; 11-12 June 2011
20. Georgescu C, Ilie IR, Marian I, Brad C, Hazi Georgeta, Dragatoiu G, Duncea I; „Sistemul osteoprotegerinei (OPG)/ligandul solubil al receptorului activator al factorului nuclear kappa β (sRANK) in sindromul ovarelor polichistice (SOP)”, The Days of U.M.P. Iuliu Hatieganu, the Posters Session, Cluj-Napoca; December 2010
21. Ilie IR, Georgescu C, Zdrehus A, Marian I, Hazi G, Dragatoiu G, Mocan T, Ilie R, Duncea I; „Alterarea

functiei endoteliale la femei tinere cu sindromul ovarelor micropolichistice”, The 5th Congress of the Association of Clinical Endocrinology of Romania, Galati-Braila; 1-4 September 2010

22. Ileana Duncea, Laura Crisan, Radu Popp, Carmen Georgescu, Ioana Ilie, Adrian Paul, T Crisan & Cristian Brad; “CTLA-4 -1661A/G and -658C/T gene polymorphisms in autoimmune thyroid diseases”, 12th European Congress of Endocrinology, 24-28 April, 2010, Prague, Czech Republic
23. Georgescu C, Ilie IR, Ioan M, Hazi G, Dragatoiu G, Man B, Brad C, Ungureanu D, Oprea R, Duncea I; ”Adipocitokinele ca factori determinanti ai densitatii minerale osoase, compozitiei corporale si disfunctiei endoteliale la femei tinere eugonadice”, the 4th National Congress of Neuroendocrinology, synopsis volume p 60-OC27, Bucharest; 26-28 May 2009
24. Ioana Ilie, Carmen Georgescu, Ioan Marian, Geta Hazi, Gheorghe Dragatoiu, Teodora Mocan, Bianca Man, Razvan Ilie, Ileana Duncea: “The effect of the therapy with metformin and CO-DRP/EE30µg on the endothelial injury on PCOS”, The Days of U.M.P. Iuliu Hatieganu, 26 November, 2010
25. Ilie I, Georgescu C, Marian I, Hazi G, Dragatoiu G, Mocan T, Ilie R, Brad C, Zdrehus A, Fiscuteanu O, Duncea I: “Polycystic ovary disease is associated with endothelial dysfunction”, The Days of UMP “Iuliu Hatieganu”, 24-27 November, 2009
26. Ilie I, Georgescu C, Duncea I, Hazi G, Dragatoiu G, Mocan T, Man B, Ilie R, Zdrehus A: ”Is there chronic inflammation in polycystic ovary syndrome?”, The National Congress of Endocrinology with International Participation, The 7th Edition, Sinaia, 29-31 October 2009, abstract volume pp 42
27. Georgescu C, Ilie I, Marian I, Hazi G, Dragatoiu G, Mocan T, Brad C, Man B, Duncea I: “Cardiometabolic risk in polycystic ovary disease- actual controversies and therapeutic implications”, The National Congress of Endocrinology with International Participation, The 7th Edition, Sinaia, 29-31 October 2009, abstract volume pp 21
28. Ilie I, Georgescu C, Duncea I, Hazi G, Dragatoiu G, Man B, Mocan T, Ilie R, Fiscutean O: “Markers of inflammation in polycystic ovary syndrome – the relationship with some metabolic, hormonal and anthropometric parameters”, The 4th Congress of the Association of Clinical Endocrinology of Romania, 2-5 September 2009, Constanta
29. Georgescu C, Ilie I, Brad C, Duncea I, Paul A, Duncea I: “Influence of age, menopause and body composition on bone mineral density in non-obese healthy Romanian subjects”, The 11th European Congress of Endocrinology, 25-29 April, 2009, Istanbul, Turkey, Endocrine Abstracts (2009) vol 20, p248
30. Georgescu C, Ilie I, Duncea I: “Evaluation de la composition corporelle par dual X-ray absorptiometry: effets de l’age, de la menopause et du mode de vie” (“Body composition evaluation through dual X-ray absorptiometry: the effects of age, menopause and lifestyle”), The 14th French Symposium, 14-16 May, Iasi, 2008
31. Georgescu C, Manaila (Ilie) I, Duncea I: “Relationships between body composition, peak bone mass and lifestyle factors in healthy young Romanian adults”, 17th Scientific Meeting of the International Bone and Mineral Society (IBMS), Montreal, 24-27 June 2007
32. Georgescu C, Duncea I, Pop G, Chiorean D, Manaila (Ilie) I, Paul A: “Calcanean quantitative ultrasonography (QUS) versus dual X-ray absorptiometry (DXA) to assess the risk of osteoporotic fractures- a clinical study”, The National Congress of Endocrinology, Sibiu, 24-26 October, 2006
33. Georgescu C, Naumescu S, Manaila (Ilie) I, Duncea I: “Relationships between fat mass, lean mass and bone mineral density in healthy eugonadal romanian women”, poster, 2nd Joint Meeting of the European Calcified Tissue Society and the International Bone and Mineral Society, Geneva, Switzerland, June 25-29, 2005, Bone, vol. 37, supl. II, 2005, 510
34. Duncea I, Georgescu C, Ilie IR, Ilie R; „Screeningul sindromului cardiometabolic in boala ovarelor micropolichistice”, The 16th National Congress of Endocrinology, Timisoara. The Romanian Journal of Endocrinology and Metabolism, vol 8 (1)/2009, p12; 23-25 October 2008
35. Ilie IR, Georgescu C, Duncea I, Fiscutean O, Moldovan M; „Sindromul metabolic si riscul cardiovascular in sindromul ovarelor micropolichistice”, The 3rd Congress of the Association of Clinical Endocrinology of Romania, Cluj-Napoca; 25-27 September 2008
36. Duncea I, Georgescu C, Mănăilă (Ilie) IR; „Managementul patologiei tiroidiene indusă de interferon”, The 2nd Congress of the Association of Clinical Endocrinology of Romania, Pitesti; 20- 22 September 2007

37. Georgescu C, Ilie IR, Duncea I „Studiu comparativ între ultrasonografia falangei proximale și absorbtimetria cu raze X în stabilirea riscului de fracturi osteoporotice la femei”, Cluj-Napoca; 3-7 December 2007
38. Georgescu C, Coman I, Militaru M, Duncea I, Mănăilă IR; „Sindromul 46 XX-o cauza de infertilitate masculină”, The Days of U.M.P. Iuliu Hatieganu, Synopsis Volume, p 67-68, Cluj-Napoca, 5-9 December 2005
39. Georgescu C, Duncea I, Naumescu S, Filip I, Pop G, Mănăilă (Ilie) IR; „Modificări ale compoziției corporale și densității minerale osoase la femei în postmenopauză: relația cu unii parametri clinici și metabolici”, The Days of U.M.P. Iuliu Hatieganu, Synopsis Volume, p 95-96, Cluj-Napoca, 2-5 December 2003
40. Georgescu C, Georgescu B, Ilie IR, Weber C, Simescu M, Duncea I; „ Biomarkeri și bioindicatori în screeningul disruptorilor endocrieni”, The 16th National Congress of Endocrinology, Timisoara. The Romanian Journal of Endocrinology and Metabolism, vol 8 (1)/2009, p 14; 23-25 October 2008
41. ICBCN 2013 : International Conference on Biomaterials, Colloids and Nanomedicine, Dubai, January, 2013: IgG functionalized carbon nanotubes enhance production of cytokines and antitumor factors in embryonic stem cells. Authors: Teodora Mocan, Cornel Iancu, Flaviu A. Tabaran, Ioana Ilie, Rares Stiuftuc, Florin Zaharie, Dana Bartos, Lucian Mocan
42. ICBCN 2013 : International Conference on Biomaterials, Colloids and Nanomedicine, Dubai, January, 2013: Nanotherapeutics for selective laser induced thermal lysis of Meticilin resistant Staphylococcus Aureus. Authors: Lucian Mocan, Ioana Ilie, Teodora Mocan, Flaviu A. Tabaran, Florin Zaharie, Dana Bartos, Bele Constantin, Cornel Iancu
43. ICBCN 2013 : International Conference on Biomaterials, Colloids and Nanomedicine, Dubai, January, 2013: Thermodynamic and immunochemical studies of antibody biofunctionalized gold nanoparticles mediated photothermal ablation in human pancreatic cancer cells. Authors: Lucian Mocan, Ioana Ilie, Teodora Mocan, Flaviu A. Tabaran, Florin Zaharie, Dana Bartos, Bele Constantin, Cornel Iancu

i. POST-UNIVERSITY COURSES

1. “Actualities in the diagnosis and treatment of osteoporosis”, 17-29 November 2003, “Iuliu Hatieganu” University of Medicine and Pharmacy, Cluj-Napoca
2. “Managementul sindromului de apnee în somn”, The Department of Pneumology of “Iuliu Hatieganu” University of Medicine and Pharmacy, Cluj-Napoca, 9 March 2007, Cluj-Napoca
3. The 7th postgraduate course in clinical endocrinology of the European Society of Endocrinology, 28-30 mai 2009, Bucuresti
4. IOF Osteoporosis Diagnosis Course, 31 October-1 November, 2009, Sinaia
5. Prime Course “Teaching and Learning, a course for Medical Educators”, PRIME Partnerships in International Education, 31 May-4 June, 2010, Cluj-Napoca
6. Endocrine pediatric disorders (with international participation), The Romanian Society of Endocrinology, 05-06 October 2011, Bucharest
7. The Summer School of Endocrinology –Actualități în managementul acromegaliei și al tumorilor neuroendocrine”, 12-14 July 2012, The Romanian Society of Endocrinology, Sibiu
8. Pre-congress Course (with international participation), „Infertilitatea de cauza endocrină”, 26-27 September 2012, The Romanian Society of Endocrinology, Sinaia
9. Curs “Meet the patient”-Ascendis, 05-06 Aprilie, 2013, Bucuresti
10. ARSO and OMTF -National Course-EASO (with international participation): Diagnosis and Treatment of Obesity, 12.10.2013, Cluj-Napoca
11. IFCA –International Female Care Academy, March 21-22, 2014, Prague, Czech Republic
12. Postgraduate Course „Clinical Endocrinology”-Zagreb, March 28-29, 2014

13. Curs “Comunicare asertiva”-TMI inspiring change, 20-21 Iunie, 2014, Bucuresti
14. 15th European Society of Endocrinology (ESE) Postgraduate Course in Endocrinology, Diabetes and Metabolism Cluj-Napoca, 27-30 Nov 2014
15. Prime Course ”Teaching in a clinical setting”, Cluj-Napoca, 11-15th May 2015
16. **Training programme at the Queen Mary University of London/Barts and the London Medical School/William Harvey Research Institute (Prof. Dr. Marta Korbonits) within the Erasmus programme, 12.10-06.11.2015**

j. SPECIALTIES AND QUALIFICATIONS

1. Certificate of attendance - 2 days Hands-on qPCR; 1 day Sample preparation and quality control of nucleic acids; 2 days Experimental design and statistical data analysis for qPCR - TATAA Biocenter Training course, Göteborg, Sweden, 2-9 March, 2012
2. Basics of Cell Culture (E08)- LAB-ACADEMY Training Center Dr. Battke SCIENTIA GmbH, Munich, Germany, 8-10 August 2012
3. July 2005 – PLAB (Professional and Linguistic Assessments Board) test, part I, London, UK

k. POST-UNIVERSITY COURSE (AS A COLLABORATOR)

1. X Rays Osteodensitometry and Quantitative Ultrasonography in the Diagnosis and Monitoring of Osteoporosis
2. **Curs precongres June 21, 2017- “Autoimmunity in endocrinology”; “Drug-induced autoimmune endocrine disease”, The XXV Congress of Endocrinology, 21-24 June, 2017, Cluj-Napoca**

Dates **January 2003 - December 2007**

Occupation or position held Resident Physician in Endocrinology

Name and address of employer The County Hospital of Emergency, Cluj Napoca, The Clinic of Endocrinology

Dates **January 2008 – December 2012**

Occupation or position held Medical Specialist in Endocrinology

Name and address of employer The County Hospital of Emergency, Cluj Napoca, The Clinic of Endocrinology

Dates **January 2013 – present**

Occupation or position held Consultant in Endocrinology

Name and address of employer The County Hospital of Emergency, Cluj Napoca, The Clinic of Endocrinology

Dates **November 2016 – present**

Occupation or position held Specialist in Diabetes, nutrition and metabolic diseases

Name and address of employer The County Hospital of Emergency, Cluj Napoca, The Clinic of Endocrinology

Education and training

Dates **2012-2014**
 Title of qualification awarded Master in sexology- thesis “ Evaluation of female sexual dysfunction in hypothyroidism and hyperthyroidism of autoimmune cause/ Evaluarea funcției sexuale feminine în hipotiroidismul și hipertiroidismul din boala tiroidiană autoimună”
 Name and type of organization providing education and training ‘Iuliu Hatieganu’ University of Medicine and Pharmacy, Cluj Napoca

Dates **2005 - 2011**
 Title of qualification awarded Doctor in the field of Medicine (*Doctor Medicinae*) (Order of the Ministry No. 4387 from 06.06.2011)
 Scientific coordinator Prof. Dr. Ileana Duncea
 Name and type of organization providing education and training ‘Iuliu Hatieganu’ University of Medicine and Pharmacy, Cluj Napoca

Dates **1996 -2002**
 Title of qualification awarded University Graduate
 Name and type of organisation providing education and training Faculty of Medicine, ‘Iuliu Hatieganu’ University of Medicine and Pharmacy, Cluj Napoca

Dates **1992-1996**
 Title of qualification awarded Highschool graduate
 Name and type of organisation providing education and training ‘Dragos-Voda’ National College, Sighetu-Marmatiei

Foreign languages

Self-assessment	Understanding		Speaking		Writing
	Listening	Reading	Spoken interaction	Spoken production	
English	advanced	advanced	advanced	advanced	advanced
French	beginner	beginner	beginner	beginner	beginner

2016 June 25-
 IELTS test
 academic level

Others **MEMBER IN SCIENTIFIC SOCIETES:**

- Romanian Society of Endocrinology
- Romanian Society of Psychoneuroendocrinology
- European Society of Endocrinology
- EASD (European Association for the Study of Diabetes)

- The Department of Nanomedicine, 'Iuliu Hatieganu' University of Medicine, Cluj Napoca

23.08.2017

Sef de Lucrari Dr.Ioana Ilie

Ioana Ilie
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