INFORMAŢII PERSONALE

CLICHICI SIMONA VALERIA

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Naţionalitatea Romana

EXPERIENŢA PROFESIONALĂ

2024-2029 **Prodecan ştiinţific, Facultatea de Medicină, UMF Cluj-Napoca**
2020 -2024 **Prodecan didactic, Facultatea de Medicină, UMF Cluj-Napoca**
2016-prezent **Profesor universitar, Şef de Disciplină**

Disciplina de Fiziologie, Universitatea de Medicină şi Farmacie "Iuliu Haţieganu", Cluj Napoca

Str V. Babeş nr. 8, 40023 Cluj-Napoca

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- Activităţi didactice, de cercetare, organizatorice
- Coordonator al Laboratorului de Studii *in vivo* al Disciplinei de Fiziologie, UMF, Cluj Napoca

EDUCAŢIE ŞI FORMARE

2016-prezent Profesor, UMF "Iuliu Haţieganu"Cluj-Napoca
2007-2016 Conferenţiar, UMF "Iuliu Haţieganu"Cluj-Napoca
2003-2007 Şef de lucrări, UMF "Iuliu Haţieganu"Cluj-Napoca
2000-2003 Asistent Universitar,UMF "Iuliu Haţieganu"Cluj-Napoca
1997 – 2000 Preparator, IMF "Iuliu Haţieganu" Cluj-Napoca
2000 Medic specialist Radiodiagnostic
1995- 2000 Medic rezident, Radiodiagnostic, Spitalul Judeţean, Cluj-Napoca
1999-2004 Doctorat, UMF, Cluj-Napoca
2004 Doctor în medicină - Distincţia Cum laudae

COMPETENŢE PERSONALE

Limba maternă: Română

Alte limbi străine cunoscute

	INŢELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversaţie	Discurs oral	
Franceza	C1	C1	C1	C1	C1
	Certificat DALF nivel C1				
Engleza	B2	B2	B2	B2	B2

Competenţe de comunicare

- bune competenţe de comunicare dobândite prin experienţa de predare de cursuri, lucrări practice, conferinţe invitat, susţinere de comunicări ştiinţifice

Competenţe organizaţionale/manageriale	Coordonator BIOCOM – Centrul de studiu al biocompatibilităţii produşilor naturali şi de sinteză Coordonator al Laboratorului de Studii *in vivo* al Disciplinei de Fiziologie Secretar general al Societăţii Române de Fiziologie Vicepreşedinte ASOM – Asociaţia de Studiu a Stresului Oxidativ în Medicină Vicepreşedinte BIOCOM – Centrul de studiu al biocompatibilităţii produşilor naturali şi de sinteză Membru CSUD în cadrul Şcolii Doctorale, UMF "Iuliu Haţieganu" Cluj-Napoca Membru Board of General Assembley (BGA) în cadrul IUPS
Competenţe dobândite la locul de muncă	Realizarea de modele experimentale, studiul stresului oxidativ *in vivo*
Competenţe informatice	▪ bună cunoaştere Microsoft Office™
Permis de conducere	▪ Categoria B

INFORMAŢII SUPLIMENTARE

125 articole ISI publicate, 37 ca autor principal

Indice Hirsch: 245(ISI web Core collection), 34 (Google scholar), 3273 citari ISI +BDI

Abilitare: octombrie 2017

Cărţi de specialitate: 5

1. **Nanomaterials – Toxicity, Human Health and Environment**, Simona Clichici, Adriana Filip, Gustavo M do Nascimento (Eds), InTech, 2020

2. ***Physiologie Notions Fondamentales,* Simona Clichici**, Adriana Filip, Ed Casa Cărţii de Ştiinţă, Cluj-Napoca, 2015, ISBN 978-606-17-0675-4, 166 pagini
3. ***Noţiuni fundamentale de fiziologie clinică***, Adriana Filip**, Simona Clichici**, Ed Casa Cărţii de Ştiinţă, Cluj-Napoca, 2014, ISBN 978-606-17-0509-2, 163 pagini
4. ***Syntheses de physiologie* Simona Clichici**, Adriana Filip, Ed Casa Cărţii de Ştiinţă, Cluj-Napoca, 2014, ISBN 978-606-17-0510-8, 120 pagini
5. ***Precis de physiologie*, Simona Clichici,** Editura Medicală Universitară „Iuliu Haţieganu", 2007

Capitole în cărţi de specialitate: 7

1. **Photodynamic therapy in skin cancer**, **S Clichici,** A Filip în ***Skin Cancer Risk Factors, Prevention and Therapy*** Edited by Caterina AM La Porta, Intech Eds, ISBN 979-953-307-092-5, 26 pag., 2011
2. **Chemoprevention of skin cancer by natural compounds** A. Filip, **S Clichici** in ***Skin Cancer – Risk Factors, Prevention and Therapy***, Edited by Caterina AM La Porta Intech Eds, ISBN 979-953-307-092-5, 24 pag., 2011
3. **In vivo assessment of nanomaterials toxicity, S Clichici** and A Filip - Nanomaterials - toxicity and risk assessment, Edited by Sonia Soloneski and Marcelo L. Larramendy, InTech, 29 pag., 2015
4. **Inima; Celulele sangvine, imunitatea şi coagularea sângelui** în Fiziologie a omului, ghid de examinare, Guyton &Hall (ediţia în limba română), Editpri Gh. Cuculici, Anca Gheorghiu, Editura Callisto, 2019
5. Walter F. Boron, Emilie L. Boulpaep, Leon G. Zăgran (coord. Ediției în limba română), *Fiziologie Medicală,* Ediția a 3-a, Ed. Hipocrate, 2017
6. Guyton&Hall "Tratat de fiziologie a omului", Editura Callisto, Editia 13, 2016, traducere în limba română, 2018

Invenții și brevete: 3

1. „High concentration dispersion of single-walled carbon nanotubes în water by wrapping with single-stranded DNA", Număr: RO125818-A2; Inventatori: Biriș AR, **Clichici SV**, Lupu DM, Misan I, Mocan T, Simon S .

2."Photochemoprotective gel for protection against ultraviolet radiation comprises carbopol, triethanol amine, glycerol, methyl p-hydroxybenzoate, propyl p-hydroxybenzoate and ethyl alcohol „ - Patent Number: RO127720-A2 - Inventatori: Achim M, Barbos

O, Brie I, Chereches G, **Clichici S,** Daicoviciu D, Dicu T, Filip GA, Fisher FE, Moldovan R, Muresan A, Perde SM, Postescu ID, Soritau O, Suciu SM, Tatomir C, Virag P
3. „PHOTOCHEMOPROTECTIVE CREAM AND PROCESS FOR PREPARING BY THE EMULSION AND ITS USE „ - Patent Number: RO127719-A2 Inventatori: Achim M, Barbos O, Brie I, Chereches G, **Clichici S,** Daicoviciu D, Dicu T, Filip GA, Fisher FE, Moldovan R, Muresan A, Perde SM, Postescu ID, Soritau O, Suciu SM, Tatomir C, Virag P

Premii și distincții: 27
Cele mai relevante: Premiul „Victor Papilian" – pentru discipline fundamentale (Premiu al Facultatii de Medicina – 2012, 2015); 25 premii UEFSCDI la premierea rezultatelor cercetarii; Medalia de bronz Agentia de stat pentru proprietatea intelectuala a Republicii Moldova , Salon de Inventica „Proinvent", 2008; Diplomă de Excelentă si medalia de aur – pentru preparate farmaceutice cu efecte fotochemoprotectoare la Salonul International de Inventica „Proinvent", editia a IX-a, 2011

Lucrări ISI reprezentative:

Filip, M.; Baldea, I.; David, L.; Moldovan, B.; Flontas, G.C.; Macavei, S.; Muntean, D.M.; Decea, N.; Tigu, A.B.; **Clichici, S.V**. Hybrid Material Based on *Vaccinium myrtillus* L. Extract and Gold Nanoparticles Reduces Oxidative Stress and Inflammation in Hepatic Stellate Cells Exposed to TGF-β. *Biomolecules* **2023**, *13*, 1271

Neculicioiu, V.S.; Colosi, I.A.; Costache, C.; Toc, D.A.; Sevastre-Berghian, A.; Colosi, H.A.; Clichici, S. Sleep Deprivation-Induced Oxidative Stress in Rat Models: A Scoping Systematic Review. *Antioxidants* **2023**, *12*

Antemie RG, Samoilă OC, **Clichici SV**. Blue light – Ocular and systemic damaging effects: A narrative review, Int J Mol Sci, 2023, 24(6):5998

Gligor O, **Clichici S**, Moldovan R, Muntean D, Vlase AM, Nadăș GC, Filip GA, Vlase L, Crișan G *Influences of Different Extraction Techniques and Their Respective Parameters on the Phytochemical Profile and Biological Activities of Xanthium spinosum L. Extracts.* Plants (Basel). 2022 ;12(1):96**. IF = 4,65.**

Tudor DV, Florea A, Cenariu M, Olteanu DE, Farcaș M, Hopârtean A, **Clichici SV**, Filip GA**.** Low dose of Celecoxib might promote phenotype switching in cutaneous melanoma treated with Dabrafenib – Preliminary study. J Clin Med. 2022 Aug 4;11(15):4560**. IF = 4,96**

Cristina Bidian, Gabriela Adriana Filip, Luminița David, Bianca Moldovan, Ioana Baldea, Diana Olteanu, Mara Filip, Pompei Bolfa, Monica Potara, Alina Mihaela Toader & **Simona Clichici**. *Viburnum opulus fruit extract-capped gold nanoparticles attenuated oxidative stress and acute inflammation in carrageenan-induced paw edema model* Green Chem. Letters and Reviews. 2022, 15 (2): 319–335. I**F=4.99**

Razvan Vlad Opris, Vlad Toma, Alina Mihaela Baciu, Remus Moldovan, Bogdan Dume, Alexandra Berghian-Sevastre, Bianca Moldovan, **Simona Clichici**, Luminita David, Gabriela Adriana Filip and Adrian Florea *Neurobehavioral and Ultrastructural Changes Induced by Phytosynthesized Silver-Nanoparticle Toxicity in an In Vivo Rat Model.* Nanomaterials 2022, 12, 58. **IF = 5,07**

Gabriela Adriana Filip, Marcela Achim, Paula Mihalte, Maria Olimpia Miclaus, Cecilia Cristea, Gheorghe Melinte, Bogdan Gheban, Dana Maria Munteanu, Oana Cadar, Ioan Simon, Ovidiu Pana, Lucian Barbu Tudoran, **Simona Clichici**, Razvan Stefan *Design, in vitro bioactivity and in vivo influence on oxidative stress and matrix metalloproteinases of bioglasses in experimental skin wound* J of Trace Elements in Med and Biol 2021, 68(5):126846. **IF=3,84**

Mureşan M, Olteanu D, Filip GA, **Clichici S**, Baldea I, Jurca T, Pallag A, Marian E, Frum A, Gligor FG, Svera P, Stancu B, Vicaș L. *Comparative Study of the Pharmacological Properties and Biological Effects of Polygonum aviculare L. herba Extract-Entrapped Liposomes versus Quercetin-Entrapped Liposomes on Doxorubicin-Induced Toxicity on HUVECs.* Pharmaceutics. 2021 Sep 7;13(9):1418. doi: 10.3390/pharmaceutics13091418. **IF=6,32**

Vlad Dionisie, Adela Magdalena Ciobanu, Vlad Alexandru Toma, Mihnea Costin Manea, Ioana Baldea, Diana Olteanu, Alexandra Sevastre-Berghian, **Simona Clichici**, Mirela Manea, Sorin Riga and Gabriela Adriana Filip *Escitalopram Targets Oxidative Stress, Caspase-3, BDNF and MeCP2 in the Hippocampus and Frontal Cortex of a Rat Model of Depression Induced by Chronic Unpredictable Mild Stress* Int J Molec Sci 2021, 22(14):7483. **IF=5,92**

Gabriela Adriana Filip, Adrian Florea, Diana Olteanu, **Simona Clichici**, Luminita David*, Bianca Moldovan, Mihai Cenariu, Ioana Scrobota, Monica Potara, Ioana Baldea. *Biosynthesis of silver nanoparticles using Sambucus nigra L. fruit extract for targeting cell death in oral dysplastic cells*, Materials Science and Engineering, 2021 Apr;123:111974. doi: 10.1016/j.msec.2021.111974. **IF = 7,32**

Sevastre-Berghian AC, Ielciu I, Mitre AO, Filip GA, Oniga I, Vlase L, Benedec D, Gheldiu AM, Toma VA, Mihart B, Mihuţ A, Bâldea I, Olteanu D, Chis IC, **Clichici SV**, Hanganu D *Targeting Oxidative Stress Reduction and Inhibition of HDAC1, MECP2, and NF-kB Pathways in Rats With Experimentally Induced Hyperglycemia by Administration of Thymus marshallianus Willd. Extracts.* Front Pharmacol. 2020 Sep 23;11:581470. doi: 10.3389/fphar.2020.581470. eCollection 2020. **IF= 5,81**

Vicas LG, Jurca T, Baldea I, Filip GA, Olteanu D, **Clichici SV**, Pallag A, Marian E, Micle O, Crivii CB, Suciu T, Craciun I, Gligor FG, Muresan M *Physalis alkekengi L. Extract Reduces the Oxidative Stress, Inflammation and Apoptosis in Endothelial Vascular Cells Exposed to Hyperglycemia*. Molecules. 2020 Aug 17;25(16):3747. **IF= 4,41**

Clichici S, David L, Moldovan B, Baldea I, Olteanu D, Filip M, Nagy A, Luca V, Crivii C, Mircea P, Katona G, Filip GA. Hepatoprotective effects of silymarin coated gold nanoparticles in experimental cholestasis. Mater Sci Eng C Mater Biol Appl. 2020 Oct;115:111117. IF= 7.328

Pop DD, Mitrea DR, Suciu S, Clichici SV. Nanostructure-based therapies for liver fibrosis. J Physiol Pharmacol. 2020 Dec;71(6). IF = 3.011

Filip GA, Moldovan B, Baldea I, Olteanu D, Suharoschi R, Decea N, Cismaru CM, Gal E, Cenariu M, **Clichici S**, David L. UV-light mediated green synthesis of silver and gold nanoparticles using Cornelian cherry fruit extract and their comparative effects in experimental inflammation. J Photochem Photobiol B. 2019 Feb;191:26-37. IF=4.383

Opris R, Toma V, Olteanu D, Baldea I, Baciu AM, Lucaci FI, Berghian-Sevastre A, Tatomir C, Moldovan B, **Clichici S**, David L, Florea A, Filip GA. Effects of silver nanoparticles functionalized with Cornus mas L. extract on architecture and apoptosis in rat testicle. Nanomedicine (Lond). 2019 Feb;14(3):275-299. IF= 4.3

Chis I C, Socaciu M, Moldovan R, **Clichici S**. Vascular impact of quercetin administration in association with moderate exercise training in experimental type 1 diabetes. Revista Romana de Medicina de Laborator, vol.27, no.3, 2019, pp.269-279. IF= 0.945

Baldea I, Florea A, Olteanu D, **Clichici S**, David L, Moldovan B, Cenariu M, Achim M, Suharoschi R, Danescu S, Vulcu A, Filip GA. Effects of silver and gold nanoparticles phytosynthesized with Cornus mas extract on oral dysplastic human cells. Nanomedicine (Lond). 2020 Jan;15(1):55-75. IF=4.3

Mitrea DR, Malkey R, Florian TL, Filip A, **Clichici S**, Bidian C, Moldovan R, Hoteiuc OA, Toader AM, Baldea I. Daily oral administration of chlorogenic acid prevents the experimental carrageenan-induced oxidative stress. J Physiol Pharmacol. 2020 Feb;71(1). IF=2.644

Domsa EM, Filip GA, Olteanu D, Baldea I, **Clichici S**, Muresan A, David L, Moldovan B, Para I, Suciu M, Achim M, Negrean V, Andreica V. Gold nanoparticles phytoreduced with Cornus mas extract mitigate some of gliadin effects on Caco-2 cells. J Physiol Pharmacol. 2020 Apr;71(2). IF=2.644

David L, Moldovan B, Baldea I, Olteanu D, Bolfa P, **Clichici S**, Filip GA. Modulatory effects of Cornus sanguinea L. mediated green synthesized silver nanoparticles on oxidative stress, COX-2/NOS2 and NFkB/pNFkB expressions in experimental inflammation in Wistar rats, Materials Science and Engineering: C, 2020, Volume 110,110709 IF=5.88

Filip GA, Florea A, Olteanu D, Clichici S, David L, Moldovan B, Cenariu M, Scrobota I, Potara M, Baldea I. Biosynthesis of silver

nanoparticles using Sambucus nigra L. fruit extract for targeting cell death in oral dysplastic cells, Materials Science and Engineering: C, 2021, Volume 123, 111974, IF= 7.328
Bidian C, Filip GA, David L, Florea A, Moldovan B, Robu D, Olteanu D, Radu T, Clichici S, Mitrea DR. The impact of silver nanoparticles phytosynthesized with Viburnum opulus L. extract on the ultrastrastructure and cell death in the testis of offspring rats,Food and Chemical Toxicology,2021, Volume 150,112053

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Sevastre-Berghian AC, Toma VA, Sevastre B, Hanganu D, Vlase L, Benedec D, Oniga I, Baldea I, Olteanu D, Moldovan R, Decea N, Filip GA, **Clichici SV**. Characterization and biological effects of Hypericum extracts on experimentally-induced - anxiety, oxidative stress and inflammation in rats. J Physiol Pharmacol. 2018 Oct;69(5). IF= 2.544

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Clichici S, Olteanu D, Nagy AL, Oros A, Filip A, Mircea PA, Beneficial Effects of Silymarin After the Discontinuation of CCl4-Induced Liver Fibrosis, Journal of Medicinal Food, 19 (8), 789-797, 2015, . **IF = 1.995**

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Dudea M, **Clichici S**, Olteanu DE, Nagy A, Cucoş M, Dudea S. Usefulness of real-time elastography strain ratio in the assessment of bile duct ligation-induced liver injury and the hepatoprotective effect of chitosan: an experimental animal study. Ultrasound Med Biol. 2015 Jan;41(1):114-23. doi: 10.1016/j.ultrasmedbio.2014.08.001. Epub 2014 Oct 22. **IF = 2.099**

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Olteanu D, Nagy A, Dudea M, Filip A, Muresan A, Catoi C, Mircea PA, **Clichici S**. Hepatic and systemic effects of rosuvastatin on an experimental model of bile duct ligation in rats. J Physiol Pharmacol. 2012 Oct; 63(5): 483-96. **IF=2.72**

David L, Moldovan B, Vulcu A, Olenic L, Perde-Schrepler M, Fischer-Fodor E, Florea A, Crisan M, Chiorean I, **Clichici S**, Filip GA. Green synthesis, characterization and anti-inflammatory activity of silver nanoparticles using European black elderberry fruits extract. Colloids Surf B Biointerfaces. 2014 Oct 1; 122:767-77. doi: 10.1016/j.colsurfb.2014.08.018. Epub 2014 Aug 22. **IF=4,2**

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Clichici S, Biris AR, Tabaran F, Filip A. Transient oxidative stress and inflammation after intraperitoneal administration of multiwalled carbon nanotubes functionalized with single strand DNA in rats. Toxicol Appl Pharmacol. 2012 Mar 15;259(3):281-92. doi: 10.1016/j.taap.2012.01.004. Epub 2012 Jan 16. **IF=3.63**

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Mureşan A, Suciu S, Daicoviciu D, Filip AG, **Clichici S**. Grape seed extract effects in brain after hypobaric hypoxia. J Med Food. 2013 Sep; 16(9):831-8. doi: 10.1089/jmf.2012.0196**. IF = 1.69**

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A. Filip**,** Doina Daicoviciu, **Simona Clichici**, Pompei Bolfa, Cornel Catoi, Ioana Baldea, laura Bolojan, Diana Olteanu, Adriana Muresan, ID Postescu, *The effects of grape seeds polyphenols on SKH-1 mice skin irradiated with multiple doses of UV-B*, J. Photochem. Photobiol. B: Biol. 133-142, 105, 2011**. IF=2,89**

Filip A, **Clichici S**, Daicoviciu D, Catoi C, Bolfa P, Postescu ID, Gal A, Baldea I, Gherman C, Muresan A., *Chemopreventive effects of Calluna vulgaris and Vitis vinifera extracts on UVB-induced skin damage in SKH-1 hairless mice*. J Physiol Pharmacol. 2011 Jun;62(3):385-92. **IF=2.72**

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Filip A, Daicoviciu D, **Clichici S**, Mocan T, Muresan A, Postescu ID, *Photoprotective effects of 2 Natural Products on Ultraviolet B-Induced Oxidative Stress and Apoptosis in SH-1 Mouse Skin*, J Med Food, 14(7-8) 761-6, 2011. **IF=1,69**

Biris AR, Dervishi E, Simon S, Lupu D, Misan I, Iancu C, **Clichici SV**, Xu Y, Watanabe F, Biris AS, *Analytic studies of high quality singlewall carbon nanotubes synthesized on a novel Fe:Mo:MgO catalyst*, Physica E 2010, 43 (1): 552-558 **IF = 1.3**

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Gherman C, Mironiuc A, Palcau L, Cristea A, Muresan A, Filip A**, Clichici S**, Micula S, *Adipocytokine and their relationship with symptomatic atherosclerotic peripheral arterial disease*, Romanian Review of Laboratory Medicine, 2010, 1/4, 18: 23-32 **IF= 0.17**

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1. CERES 203/2004, membru - "Influenţa alimentaţiei bogate în flavonoizi asupra stresului oxidativ din menopauza indusă experimental la şobolani ", director Prof Dr Adriana Muresan, 2004-2006
2. CEEX 10/2005, membru - "Studii pe modele in vitro si pe tumori experimentale privind efectul antioxidant al unor produsi naturali –PAOT", Responsabil proiect: Prof. dr. Adriana Muresan, 2005-2008
3. PN II 42104, membru - "Fotochemoprotectia prin produsi naturali in cancerele epiteliale fotoinduse, membru, 2008-2011
4. PN II 421120/2008 Evaluarea si modularea biodistributiei si citotoxicitatii nanotuburilor de carbon cu aplicatii biomedicale, **Director de proiect**, 2008-2011
5. CEEX 102/2006, membru - Biocomposite cu porfirine cu aplicabilitate in terapia fotodinamica a tumorilor maligne cutanate, 2006-2008
6. PN II 42115/2008, membru - Nanoterapia fototermica selectiva a hepatocarcinomului prin internalizarea intracelulara si mecanism de activare LASER a nanotuburilor de carbon bio-ligand functionalizate, 2008-2011
7. PN II 12131/2008 Sistem expert pentru prognosticul neinvaziv a evolutiei patologiei hepatice cornice prin analiza parametrilor biologici si de hemodinamica portala, **Director de proiect**, 2008-2011
8. PN-II-PT-PCCA-2011-3.1-0914 tip 1 Produse dermatologice pe baza de biomateriale hibride obtinute din antociani si nanoparticule metalice, membru, 2012-2015
9. POSDRU/ 86/1.2/S/63815 "Calitate si competenta profesionala europeana in educatia medicala si in managementul activitatilor educationale E-mediqual", Durata proiect: 1.01.2011-31.12.2013, Manager proiect PI UMF: Prof. Dr. Buzoianu Anca, expert pe termen scurt
10. PN II IDEI 1273/2008, membru - "Markeri de stres oxidativ, nitrozativ si nitrativ cu valoare diagnostica si prognostica in parodontite si periimplantite", Responsabil proiect:Conf. Dr. Parvu Alina Elena
11. PN-II-PT-PCCA-2011-3-1-0252, membru, Ablatia termina folosind nanoparticule magnetice a tumorilor hepatice si splenice Responsabil UMF proiect:Conf.dr. Sparchez Zeno, 2012- 2015
12. PN-III-P4-ID-PCE-2016-0396 – „Cai de semnalizare si molecule tinta implicate in chemopreventia cu conjugate obtinute din nanoparticule de argint si extracte naturale in carcinogeneza orala", perioada de derulare 2017-2019
13. CNFIS-FDI-2020-0439, membru, „Imbunatatirea calitatii activitatilor practice in cadrul Centrului de abilitati practice si simulare in medicina", director Prof Dr. Şoimiţa Suciu, 2020
14. CNFIS-FDI-2020-0657, membru, „Optimizarea proceselor educationale la UMFCN", director Prof Dr. Radu Oprean, 2020
15. Membru în Comitetul de Management al Acțiunii COST CA18240 - *ADHEsion GPCR Network: Research and Implementation Set the path for future Exploration*

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