INFORMAŢII PERSONALE

HINESCU MIHAIL EUGEN

POZIŢIA

Profesor UMF Carol Davila Bucuresti

EXPERIENŢA PROFESIONALĂ

(de la 01/10/1992- prezent, 2022)

UMF Carol Davila Bucuresti str. Dionisie Lupu 37, Bucuresti
Cadru didactic prin concurs,
1992-1999 asistent univ.;
1998-2003 sef de lucrari;
2003-2014 conferenţiar univ.
2012 ales şef de disciplină; desemnat din nou, in 2016;
2012-2016, prodecan al Facultăţii de Medicină, pentru probleme de cercetare.
2014-2022, profesor universitar prin concurs, cu abilitare

(de la 01/03/2004 - prezent, 2022)

INCD „Victor Babes" Bucuresti Spl. Independentei 99-101, Bucuresti
Cercetator stiintific gradul I
Coordonarea activitatii de cercetare (2004-2015, director stiintific)
Din 2015, director general, prin concurs

EDUCAŢIE ŞI FORMARE

(1979- 1985) Medic

(1992-1993, 11 luni) Stagiu de cercetare in Laboratorul de Fiziologie celulara al (sub conducerea prof. dr. Denis Escande, electrofiziologie celulara cardiaca); Universitatea Paris XI, Orsay, ***Franta***

(1994-1998) Doctor in stiinte medicale

(2011) Şcoala Naţională de Sănătate Publică, Management şi Perfecţionare în Domeniul Sanitar Bucureşti
Atestat de studii complementare în Managementul serviciilor de sănătate

COMPETENTE PERSONALE

Limba(i) maternă(e): Limba romana

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversaţie	Discurs oral	
Limba franceza	C2	C2	C1	C1	C2
	Scrieţi denumirea certificatului. Scrieţi nivelul, dacă îl cunoaşteţi.				
Limba engleza	C2	C2	C1	C1	C2

Scrieţi denumirea certificatului. Scrieţi nivelul, dacă îl cunoaşteţi.

Niveluri: A1/A2: Utilizator elementar - B1/B2: Utilizator independent - C1/C2: Utilizator experimentat
Cadrul european comun de referinţă pentru limbi străine

Competenţe de comunicare

- bune competenţe de comunicare dobândite prin experienţa proprie de cadru didactic

Competenţe dobândite la locul de muncă

- o bună cunoaştere a proceselor de control al calităţii (în prezent fiind din 2005 responsabil cu managementul calitatii in INCD) leadership (în prezent, sunt responsabil de personalul unui INCD, 150 persoane)
- Organizare departamentală (Şef de secţie în INCD „Victor Babeş" Bucureşti, din 2004)
- Managementul activităţii de cercetare (Director ştiinţific INCD „Victor Babeş" 2004-2015)
- Management în publishing (din 2002 pana 2014: Asistent-editor şi, ulterior, editor-consultant la *Journal of Cellular and Molecular Medicine*, revista indexata ISI; În prezent revista aparţine casei de editură Wiley, iar ultimul factor de impact este 4.658).

Competenţă digitală

AUTOEVALUARE				
Procesarea informaţiei	Comunicare	Creare de conţinut	Securitate	Rezolvarea de probleme
Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator experimentat	Utilizator independent

- o bună stăpânire unei suite de programe de birou (procesor de text, calcul tabelar, software pentru prezentări)
- bune cunoştinţe de editare foto (histologie si microscopie electronica)

Alte competenţe

Experienţă în domeniul microscopiei optice si electronice şi al metodelor inrudite;

- Expert evaluator în cadrul programelor VIASAN, CEEX ale Agentiei Nationale pentru Cercetare Stiintifica şi evaluator in Comisia de Stiinţe Medicale a CNCSIS,
- Fost presedinte al Comisiei de Medicina al CNATCDU (o parte din mandatul 2016-2020) si membru in CG
- Membru al Comisiei de Medicina al CNATCDU (mandatul 2021-2024)
- membru, si ulterior presedinte al Comisiei de Medicina din CCCDI, organism din compunerea MCI 2016-2021
- Presedintele Comisiei de Cercetare Stiintifica a Senatului UMF Carol Davila, din 2020

PERMIS DE CONDUCERE B

INFORMATII SUPLIMENTARE

Publicaţii
Peste 85 de lucrari indexate ISI, autor sau coautor la 8 monografii, din care 6 prim autor, 3 capitole in volume internationale, 5 capitole in tratate nationale

Proiecte
Membru in echipa de proiect in 40 de proiecte, director de proiect (7 proiecte)

Distincţii
Premiul „Victor Babeş" al Academiei Romane, pentru anul 1985, acordat în 1987

Afilieri
Ales **Membru titular al Academiei de Ştiinte Medicale din Romania**, din 2012
Ales Membru corespondent al Academiei de Ştiinte Medicale din Romania, în 2009
Ales Vicepreşedinte al Secţiei de Medicină Fundamentală a Academiei de Ştiinte Medicale din Romania, 2011, reales, 2015

Citări
Clarivate Analytics WoS Core Colection: peste 2411, indice **Hirsch 25**, (33.13 citations per item).
Clarivate Analytics WoS, All Databases peste 2671, indice Hirsch **26**, (31.42 citations per item).
Google Scholar: 3509, indice Hirsch **29**

Certificări
Medic primar medicina interna, Atestat de studii complementare în Managementul serviciilor de sănătate

Brevete

1. **Tetrapyrrolic compound with applications in theranostics and process for preparing the same**

Patent Number(s): RO131946-A0; RO131946-B1
Inventors: BOSCENCU R, MANDA G, SOCOTEANU RP, **HINESCU ME**, RADULEA N, NEAGOE IV, LUIS Ferreira
Patent Assignee Name(s) and Code(s): UNIV MEDICINA SI FARM CAROL DAVILA
INST NAT CERC DEZVOLTARE IN DOMENIUL PATOLOGIEI SI STIINTELOR BIOMEDICALE
Derwent Primary Accession Number: 2017-44118X

2. **Preparation of meso-tetraphenylporphyrin-based compound used in diagnosis and anti-tumor treatment, involves reacting 2,4-dihydroxybenzaldehyde, 4-acetoxy-3-methoxybenzaldehyde and pyrrole compound using neutral aluminum oxide carrier**

Patent Number(s):
RO132752-A0
Inventor(s): BOSCENCU R, MANDA G, SOCOTEANU R P, **HINESCU ME**, NEAGOE IV, OLARIU L, DUMITRIU B
Patent Assignee Name(s) and Code(s): UNIV MEDICINA SI FARM CAROL DAVILA
INST NAT CERC DEZVOLTARE IN DOMENIUL PATOLOGIEI SI STIINTELOR BIOMEDICALE
INST CHIM FIZICA ILIE MURGULESCU
BIOTEHNOS SA
Derwent Primary Accession Number: 2019-34227L

3. **New 5-(hydroxy-5-methoxyphenyl)10,15,20-tris-(4-carboxymethylphenyl)porphyrin useful for antitumor photodynamic therapy**

Patent Number(s):
RO134431-A0
Inventor(s): BOSCENCU R, MANDA G, OLARIU L, NEAGOE I V, SOCOTEANU R P, **HINESCU M E**, VIEIRA F L F, CUADRADO A, BASAGA S H
Patent Assignee Name(s) and Code(s): UNIV MEDICINA SI FARM DAVILA CAROL (UYME-Non-standard)
INST NAT CERC DEZVOLTARE IN DOMENIUL PAT (NADE-Non-standard)
Derwent Primary Accession Number: 2020-97272L

ANEXA: Publicatii si Proiecte

Let-7 microRNAs Are Possibly Associated with Perineural Invasion in Colorectal Cancer by Targeting IGF Axis.
Life (Basel).
2022,12(10):1638. doi: 10.3390/life12101638.

Vaccine mRNA Can Be Detected in Blood at 15 Days Post-Vaccination.
Biomedicines.
2022; 10(7):1538. doi: 10.3390/biomedicines10071538.

Low-Concentrations of Fatty Acids Induce an Early Increase in IL-8 Levels in Normal Human Astrocytes.
Metabolites.
2022 Apr 6;12(4):329. doi: 10.3390/metabo12040329.

Fatty Acids, CD36, Thrombospondin-1, and CD47 in Glioblastoma: Together and/or Separately?
Int J Mol Sci.
2022 Jan 6;23(2):604. doi: 10.3390/ijms23020604.

A Fatty Acid Fraction Purified From Sea Buckthorn Seed Oil Has Regenerative Properties on Normal Skin Cells.
Front Pharmacol.
2021 Oct 8;12:737571. doi: 10.3389/fphar.2021.737571.

Macrophages and Stem Cells-Two to Tango for Tissue Repair?
Biomolecules.
2021,11(5):697. doi: 10.3390/biom11050697

Sea-Buckthorn Seed Oil Induces Proliferation of both Normal and Dysplastic Keratinocytes in Basal Conditions and under UVA Irradiation.
J Pers Med.
2021 Apr 7;11(4):278. doi: 10.3390/jpm11040278.

CD36 - A novel molecular target in the neurovascular unit.
Eur J Neurosci.
2021 Apr;53(8):2500-2510. doi: 10.1111/ejn.15147

CD36 in Alzheimer's Disease: An Overview of Molecular Mechanisms and Therapeutic Targeting.
Neuroscience.
2021 Jan 15;453:301-311. doi: 10.1016/j.neuroscience.2020.11.003.

High-risk human papillomavirus in patients with oral leukoplakia and oral squamous cell carcinoma-A multi-centre study in Sweden, Brazil and Romania.
Oral Disease
2021 | journal-article
DOI: 10.1111/odi.13510.

Caveolae as Potential Hijackable Gates in Cell Communication.
Front Cell Dev Biol.
2020 Oct 27;8:581732. doi: 10.3389/fcell.2020.581732.

CD36 and CD97 in pancreatic cancer versus other malignancies.
International Journal of Molecular Sciences
2020
DOI: 10.3390/ijms21165656.

Gene expression profile of adhesion and extracellular matrix molecules during early stages of skeletal muscle regeneration.
Journal of Cellular and Molecular Medicine
2020;
DOI: 10.1111/jcmm.15624.

CD36: Focus on Epigenetic and Post-Transcriptional Regulation.
Frontiers in Genettics.
2019;
DOI:10.3389/fgene.2019.00680

Age-related ultrastructural changes of the basement membrane in the mouse blood-brain barrier.
J Cell Mol Med.
2019
DOI: 10.1111/jcmm.13980

Multiplex assay for multiomics advances in personalized-precision medicine.
J Immunoassay Immunochem.
2019;
DOI: 10.1080/15321819.2018

Emerging Therapeutic Targets in Oncologic Photodynamic Therapy.
Current Pharmaceutical Design.
2018
DOI: 10.2174/1381612825666190122163832.

Oxidative Stress and the Microbiota-Gut-Brain Axis.
Oxid Med Cell Longev.
2018 Dec 9;2018:2406594. doi: 10.1155/2018/2406594

Targeting CD36 as Biomarker for Metastasis Prognostic: How Far from Translation into Clinical Practice?
BioMed Research International
2018-07-04 | journal-article DOI: 10.1155/2018/7801202 Source: Crossref

Skeletal muscle regeneration involves macrophage-myoblast bonding
Cell Adhesion & Migration
2017-07 | journal-article
DOI: 10.1080/19336918.2017.1346774 Part of ISSN: 1933-6918
Source: CrossRef Metadata Search

New molecular insights in diabetic nephropathy
International Urology and Nephrology
2016 | journal-article
DOI: 10.1007/s11255-015-1203-x WOSUID: WOS:000371266300013
Source: ResearcherID

Redox Signaling in Diabetic Nephropathy: Hypertrophy versus Death Choices in Mesangial Cells and Podocytes.
Mediators of inflammation
2015 | journal-article
DOI: 10.1155/2015/604208

Decreased expression of APAF-1 and increased expression of cathepsin B in invasive pituitary adenoma
Oncotargets and Therapy
2015 | journal-article
DOI: 10.2147/OTT.S70886

Ovarian adult stem cells: hope or pitfall?
Journal of Ovarian Research
2014 | journal-article

DOI: 10.1186/1757-2215-7-71

Cellular Players in Skeletal Muscle Regeneration
Biomed Research International
2014 | journal-article
DOI: 10.1155/2014/957014

Telocytes in pleura: two- and three-dimensional imaging by transmission electron microscopy
Cell and Tissue Research
2011 | journal-article
DOI: 10.1007/s00441-010-1095-0 WOSUID: WOS:000286829000010
Source: ResearcherID

Telocytes and putative stem cells in the lungs: electron microscopy, electron tomography and laser scanning microscopy
Cell and Tissue Research
2011 | journal-article
DOI: 10.1007/s00441-011-1229-z WOSUID: WOS:000294681100009
Source: ResearcherID

Potential intracellular tracker capacity of novel synthetic metalloporphyrins
Toxicology Letters
2011 | journal-article
DOI: 10.1016/j.toxlet.2011.05.238 WOSUID: WOS:000293814500193
Source: ResearcherID

195 Telocytes – players of the pancreatic stromal puzzle
European Journal of Cancer Supplements
2010-06 | journal-article
DOI: 10.1016/s1359-6349(10)71002-8 Part of ISSN: 1359-6349
Source: CrossRef Metadata Search

Telocytes in human epicardium
Journal of Cellular and Molecular Medicine
2010 | journal-article
DOI: 10.1111/j.1582-4934.2010.01129.x WOSUID: WOS:000282313300007
Source: ResearcherID

Telocytes in Human Term Placenta: Morphology and Phenotype
Cells Tissues Organs
2010 | journal-article
DOI: 10.1159/000319467 WOSUID: WOS:000283131500005
Source: ResearcherID

Telocytes - players of the pancreatic stromal puzzle
Ejc Supplements
2010 | journal-article
WOSUID: WOS:000288603100191
Source: ResearcherID

ADVANCES IN PANCREATIC CANCER DETECTION
Advances in Clinical Chemistry, Vol 51
2010 | book-chapter
DOI: 10.1016/S0065-2423(10)51006-0 WOSUID: WOS:000281865700006
Source: ResearcherID

Pancreatic Expression of DOG1
Applied Immunohistochemistry & Molecular Morphology
2009-10 | journal-article
DOI: 10.1097/pai.0b013e31819e4dc5 Part of ISSN: 1541-2016
Source: CrossRef Metadata Search

THROMBOCYTE GLYCOPROTEINS MODIFIED STRUCTURE AND FUNCTIONAL STATUS IN CHRONIC MYELOPROLIFERATIVE DISORDERS - A MODEL OF ACQUIRED THROMBOPATHIESA
Haematologica-the Hematology Journal
2009 | journal-article
WOSUID: WOS:000266931901583
Source: ResearcherID

Proteomics technologies in pancreatic cancer early diagnosis
Virchows Archiv
2009 | journal-article
WOSUID: WOS:000268307701159
Source: ResearcherID

Pancreatic Expression of DOG1 A Novel Gastrointestinal Stromal Tumor (GIST) Biomarker
Applied Immunohistochemistry & Molecular Morphology
2009 | journal-article
WOSUID: WOS:000270287100008
Source: ResearcherID

Myocardial interstitial Cajal-like cells (ICLC) in caveolin-1 KO mice
Journal of Cellular and Molecular Medicine
2009 | journal-article
DOI: 10.1111/j.1582-4934.2008.00615.x WOSUID: WOS:000262646300016
Source: ResearcherID

Caveolin-1 overexpression correlates with tumour progression markers in pancreatic ductal adenocarcinoma
Journal of Molecular Histology
2009 | journal-article
DOI: 10.1007/s10735-008-9209-7 WOSUID: WOS:000264485300003
Source: ResearcherID

Role of Apaf-1 and cathepsin B in pituitary tumor progression
Experimental and Clinical Endocrinology & Diabetes
2008-10-01 | journal-article
DOI: 10.1055/s-0028-1096355 Part of ISSN: 0947-7349
Source: CrossRef Metadata Search

Signaling profile pathways involved in pancreatic cancer progression
European Journal of Cancer Supplements
2008-07 | journal-article
DOI: 10.1016/s1359-6349(08)71756-7 Part of ISSN: 1359-6349
Source: CrossRef Metadata Search

Signaling profiles in pancreatic cancer progression
Histopathology
2008 | journal-article
WOSUID: WOS:000259524800379
Source: ResearcherID

Mesenchymal stem cells and cardiac repair
Journal of Cellular and Molecular Medicine
2008 | journal-article
DOI: 10.1111/j.1582-4934.2008.00457.x WOSUID: WOS:000260538300003
Source: ResearcherID

Interstitial Cajal-like cells in rat mesentery: an ultrastructural and immunohistochemical approach
Journal of Cellular and Molecular Medicine
2008 | journal-article
DOI: 10.1111/j.1582-4934.2008.00226.x WOSUID: WOS:000254275500019
Source: ResearcherID

Interstitial Cajal-like cells (ICLC) in myocardial sleeves of human pulmonary veins
Journal of Cellular and Molecular Medicine
2008 | journal-article
DOI: 10.1111/j.1582-4934.2008.00444.x WOSUID: WOS:000260109200037
Source: ResearcherID

Comparative ultrastructure of interstitial Cajal-like cells from different normal tissues
Virchows Archiv
2008 | journal-article
WOSUID: WOS:000256192600085
Source: ResearcherID

Altered expression of CD42 in platelets of subjects with myelodisplasia/myeloproliferative disorders
Febs Journal
2008 | journal-article
WOSUID: WOS:000256633300777
Source: ResearcherID

APAF1 and cathepsinB, regulators of mitochondrial apoptotic pathway in pituitary tumor progression
Histopathology
2008 | journal-article
WOSUID: WOS:000259524800504
Source: ResearcherID

Interstitial Cajal-like cells in human gallbladder
Journal of Molecular Histology
2007 | journal-article
DOI: 10.1007/s10735-007-9099-0 WOSUID: WOS:000248328300004
Source: ResearcherID

Correlation of caveolin-1 expression and profileration markers in human pancreatic cancer
Virchows Archiv
2007 | journal-article
WOSUID: WOS:000249454600810

Caveolin-1 expression and proliferation markers in human pancreatic cancer
Febs Journal
2007 | journal-article
WOSUID: WOS:000253283800515

Interstitial Cajal-like cells (ICLC) in atrial myocardium: ultrastructural and immunohistochemical characterization
Journal of Cellular and Molecular Medicine
2006 | journal-article
DOI: 10.1111/j.1582-4934.2006.tb00306.x

Insights into the interstitium of ventricular myocardium: interstitial Cajal-like cells (ICLC)
Journal of Cellular and Molecular Medicine
2006 | journal-article
DOI: 10.1111/j.1582-4934.2006.tb00410.x

Snapshots of mammary gland interstitial cells: methylene-blue vital staining and c-kit immunopositivity.
Journal of cellular and molecular medicine
2005 | journal-article
DOI: 10.1111/j.1582-4934.2005.tb00375.x

Novel type of interstitial cell (Cajal-like) in human fallopian tube
Journal of Cellular and Molecular Medicine
2005 | journal-article
DOI: 10.1111/j.1582-4934.2005.tb00376.x

Interstitial cells of Cajal in pancreas
Journal of Cellular and Molecular Medicine
2005 | journal-article
DOI: 10.1111/j.1582-4934.2005.tb00347.x

Interstitial Cajal-like cells (ICLC) in human atrial myocardium.
Journal of Cellular and Molecular Medicine
2005 | journal-article
DOI: 10.1111/j.1582-4934.2005.tb00394.x

CD117/c-kit positive interstitial (Cajal-like) cells in human pancreas
Journal of Cellular and Molecular Medicine
2005 | journal-article
DOI: 10.1111/j.1582-4934.2005.tb00505.x

C-kit immunopositive interstitial cells (Cajal-type) in human myometrium
Journal of Cellular and Molecular Medicine
2005 | journal-article
DOI: 10.1111/j.1582-4934.2005.tb00366.x

Authors' comments
Journal of Cellular and Molecular Medicine
2005 | journal-article
DOI: 10.1111/j.1582-4934.2005.tb00374.x

Silicon micromachined sensor for gas detection
Materials Science and Engineering: B
2003-08 | journal-article
DOI: 10.1016/s0921-5107(02)00668-2 Part of ISSN: 0921-5107
Source: CrossRef Metadata Search

Cell death in cell culture frame by frame.
Journal of cellular and molecular medicine
2003 | journal-article
DOI: 10.1111/j.1582-4934.2003.tb00219.x WOSUID: MEDLINE:12927059
Source: ResearcherID

Phtalocyanine based integrated gas sensor
Cas: 2002 International Semiconductor Conference, Vols 1 and 2, Proceedings
2001 | journal-article
WOSUID: WOS:000181629400012

Cardiac apoptosis: from organ failure to allograft rejection
Journal of Cellular and Molecular Medicine
2001 | journal-article
DOI: 10.1111/j.1582-4934.2001.tb00147.x

Apoptosis in the hypoxia-induced cell damage
Toxicology Letters
1998-07 | journal-article
DOI: 10.1016/s0378-4274(98)80431-1 Part of ISSN: 0378-4274

Acute simulated ischaemia produces both inhibition and activation of K+ currents in isolated ventricular myocytes
Cardiovascular Research
1996-11-01 | journal-article
DOI: 10.1016/s0008-6363(96)00124-1 Part of ISSN: 0008-6363

K+-CHANNEL OPENERS PROTECT THE MYOCARDIUM AGAINST ISCHEMIA-REPERFUSION INJURY
Cellular, Biochemical, and Molecular Aspects of Reperfusion Injury
1994 | book-chapter
DOI: 10.1111/j.1749-6632.1994.tb36757.x

Inositol trisphosphate and the contraction of vascular smooth muscle cells.
European journal of pharmacology
1986 | journal-article
DOI: 10.1016/0014-2999(86)90701-6

The mechanism of cGMP-induced relaxation in vascular smooth muscle.
European journal of pharmacology
1985 | journal-article
DOI: 10.1016/0014-2999(85)90269-9 WOSUID: MEDLINE:2984014
Source: ResearcherID

Nitroglycerin stimulates the sarcolemmal Ca++-extrusion ATPase of coronary smooth muscle cells.
Biochemical pharmacology
1985 | journal-article
DOI: 10.1016/0006-2952(85)90665-3

Phtalocyanine based integrated gas sensor
Proceedings. International Semiconductor Conference
conference-paper
DOI: 10.1109/smicnd.2002.1105800 Part of ISBN: 0780374401

PROIECTE Proiecte de cercetare internaţionale obţinute în sistem competiţional (în cadrul următoarelor programe: ERA-Net, MNT-7-030/2010, în cadrul FP7):

1. **Bio-Mark: Tetrapyrrole nanostructures towards fluorescent molecular markers for biomedicine**. Duration: 01/2010-12/2012; Cost: 575.000 €; Coordinator: Prof.Dr. Luis Filipe Vieira Ferreira, Instituto Superior Técnico – Technical University of Lisbon – Centro de Química-Física Molecular e Instituto de Nanociência e Nanotecnologia – CQFMIN/ IST, Portugal Valoarea de la bugetul de stat : 1.288.000 RON

Proiecte de cercetare obţinute în sistem competiţional (în cadrul următoarelor programe: MATNANTECH, BIOTECH, VIASAN, CEEX, Granturile Academiei Române, POSCCE)
1.“**Nanodispersii depuse pe substrat-senzori, pigmenti, produsi biologic activi si catalizatori**”, in cadrul programului MATNANTECH; Institutia contractoare Universitatea Bucuresti, Centrul de Cercetari in Enzimologie, desfasurare 2001-2004;

2.**Distrofiile musculare Duchenne si Becker prezente in populatia din Romania. Un studiu complex: genetic (analiza deletiilor in exoni ai genei distrofinei), anatomo-patologic (morfologic, imuno-histochimic, electrono-microscopic) si clinic**”, in cadrul programului BIOTECH; Institutia contractoare Spitalul Clinic Colentina, Institutul de Medicina si Neurostiinte, Bucuresti, desfasurare 2003-2004;

3.“**Nanodispersii incapsulate-compozite de interes tehnic, medical, ecologic si tinctorial**”, programul CERES, institutia contractoare Universitatea Politehnica Bucuresti, Facultatea de Chimie Industriala, desfasurare 2003-2004;

4.“**Retele matriciale de microalveole-suport pentru celule biologice, cu aplicatii in investigare, testare si diagnostic**”, in cadrul programului MATNANTECH; Institutia contractoare Institutul National de Cercetare Dezvoltare pentru Microtehnologii, Bucuresti, desfasurare 2003-2004;

5.“**Centru de cercetare virtual in nanobiotehnologie**”, CENOBITE, in cadrul programului MATNANTECH, Institutia contractoare Institutul National de Cercetare Dezvoltare pentru Microtehnologii, desfasurare 2002-2004;

6.“**Microsisteme pentru monitorizarea activitatii electrice a tesuturilor (stimulare, Inregistrare, feedback)**”, Institutia contractoare INCD-Microtehnologie. perioada de desfasurare: 2002.

7.“**Studii preliminare in vederea realizarii unor dispozitive nanostructurate pentru detectarea ultrarapida a unor substante potential utilizabile in bioterorism**”, in cadrul programului national BIOTECH; Institutia contractoare INCDpentru Microtehnologii, desfasurare 2003-2005

8.**Mecanisme celulare si moleculare ale proceselor fiziopatologice si aplicatii în dezvoltarea unor noi metode si tehnici farmacologice de tratare în endotelita si hipertensiunea arterială pulmonară induse de monocrotalină la şobolanul Wistar**, Viasan, 2004-2006. Valoare : 1.550.000 mii lei

9.**Materiale inteligente de interes medical,** Program Viasan, 2004-2006.

10.**Rolul caveolinei-1 in procesele de angiogeneza si proliferare in glioblastoame. Implicatii terapeutice**. Viasan, 2004-2006, Valoare: 1.350.000 mii lei

11.**Biopolimeri osteoconductori – demonstrarea compatibilitatii si osteointegrarii pe animale mici**. Viasan, 2004-2006, Valoare : 900.000 mii lei.

12.«**Corelatii intre expresia APAF 1 si catepsina B, rata apoptozei si prognosticul tumorilor hipofizare »** Institutia contractoare INCD "Victor Babes" in cadrul Competitiei de Grant-uri a Academiei Romane, Desfasurare 2005-2006 (director de proiect).

13.“**Obtinerea de epiderm artificial prin cultivarea in laborator a keratinocitelor de la pacienti, pentru tratamentul eficient al unor boli de piele, al arsurilor si al politraumatismelor’**, in cadrul programului CEEX 2005. desfasurare 2005-2008. Valoare 460.000 lei

14.‘**Studiul complex multidisciplinar al trombocitului in sindroamele mieloproliferative si mielodisplazice » in cadrul programului CEEX 2005. desfasurare 2005-2008**. Valoare 210.000 RON

15.« **Integrarea tehnicilor de analiza moleculara in diagnosticarea distrofinopatiilor in perspectiva unor strategii terapeutice si profilactice” in cadrul programului CEEX 2005**. desfasurare 2005-2008

16.**Identificarea, caracterizarea si cartografierea distributiei celulelor interstitiale de tip Cajal in aparatul cardiovascular** CEEX 2006, modulul I, desfasurare 2006-2008 (director de proiect) Valoare proiect 1.500.000 RON

17.**Obtinerea acreditarii si certificarii conformitatii pentru testele B12-mutagenicitate si B39- sinteza de ADN neprogramata in vivo**, CEEX 2006, modulul IV, desfasurare 2006-2008 (director de proiect) Valoare proiect 788.000 RON

18.**Abordarea complexa, celulara, moleculara si genetica a unor noi mecanisme patogenice in mieloproliferarile maligne** CEEX 2006, modulul I, desfasurare 2006-2008 (director de proiect) Valoare proiect 1.450.000 RON.

19.**Sisteme condensate mixte ce includ ftalocianine si alti complecsi metalici purtatori de oxigen cu aplicatii in senzori de interes medical si ecologic si in procese catalitice** CEEX 2005 desfasurare 2005-2008

20.**Retea de cercetare integrata pentru nanomedicina (nanobiologie pentru sanatate) RO-NANOMED** CEEX 2005 desfasurare 2005-2008

21.**Modernizarea infrastructurii de cercetare destinata cresterii, intretinerii si utilizarii in experimente si alte scopuri stiintifice a animalelor de laborator din Institutul National Victor Babes**, CAPACITATI 2007 desfasurare 2007-2009 (director de proiect) Valoare proiect 1.882.000 RON

22.**Sistem integrat de monitorizare si raspuns mediu-sanatate** CEEX 65 / 03.10.2005 desfasurare 2005-2008

23.**Preparate functionalizate de uz nutritional destinate unitatilor de terapie intensiva** CEEX 60 desfasurare -2006-2008

24.**Medicina alternativa prin fitopreparate: efecte antitumorale epigenetice si pe componente proteomice**. Desfasurare 2006-2008. Valoare 1.450.000

25.**Sistem de acreditare ISO 17025 a unui Laborator de Biochimie destinat studiilor de imunotoxicitate (ISOIMUNOTOX) CEEX 273** – desfasurare 2006-2008

26.**Expresia caveolinelor 1, 2 si 3 in cancerele de pancreas; tinte moleculare in diagnostic si terapie** CEEX 64 – desfasurare 2006-2008

27.**Răspunsul celular ca mijloc in ştiinţa translaţională. Drug-design-prin mecanisme celulare antitumorale induse de complecşi fiziologici ai metalelor divalente tranziţionale**. Program Parteneriate, Durata: 2008-2011. Valoare proiect 2.000.000 RON.

28.**Interferente farmacologice ale unor produsi fitoterapeutici cu agenti terapeutici conventionali; modele predictive in optimizarea designului terapeutic modern** CEEX 73 – desfasurare 2006-2008

29.**Promovarea integrarii in spatiul stiintific european a cercetarilor romanesti in domeniul explorarii de noi tinte moleculare in terapia cancerului (PROMOT)** CEEX 111 – desfasurare 2006-2008. Valoare 200.000 lei.

30.**Model de monitorizare a contaminarii cu metale grele a alimentelor pe baza de peste si a riscului asupra sanatatii consumatorulu**i CEEX 139 – desfasurare 2006-2008

31.**Tehnologie pentru realizare arii de imunosenzori miniaturizati pentru detectia ierbicidelor (Imunosense)** (desfasurare 2007-2010) Valoare 150.000 RON

32.**Platforma integrata pentru monitorizarea paralela a activitatii electrofiziologice si a mediului chimic ale celulelor neuronale (Neurosense).** Desfasurare (2007-2010) Valoare 200.000 RON

33.**Protocol de diagnostic precoce, terapie ţintită şi monitorizare bazat pe identificarea de noi biomarkeri prin tehnici proteomice în tumorile cerebrale.** Desfasurare 2008-2011, Valoare 2.000.000 RON

34.**Terapiile celulare în dezvoltarea medicinii regenerative. Priorităţi strategice.** Programul CAPACITĂȚI Modulul II, Suport, PN CDI II (Desfăşurare 2010-2011), Valoarea 250.000 RON.

35.**Implementarea tehnologiilor proteomice pentru descoperirea de noi biomarkeri in cancer/ CANBIOPROT",** co-finanţat prin Fondul European de Dezvoltare Regională, Programul Operational "Cresterea Competitivitatii Economice" (POS CCE), Axa Prioritara 2 - O 2.1.2 "Proiecte CD de inalt nivel stiintific la care vor participa specialisti din strainatate (Membru în echipa de management). Valoare proiect : 5.271.786 RON Desfăşurare 2010-2014

36.**Telocitele în regenerarea cardiacă, cod PN-II-ID-PCE2011-30134 (desfăşurare 2012-2015).** Valoare: 1.500.000 RON.

37.**Celulele interstiţiale miometriale – caracterizare morfologică, biofizică şi bioelectrochimică. Noi perspective asupra contractilităţii uterului uman şi a regenerării miometriale**. Desfăsurare 2012-2015.
valoare 2.000.000 RON.

38. **Advanced theranostic approach in cancer combining photodynamic therapy and NPsM.** ERANET-3055-NANOTHER-1 2016 – 2019

39. **The Th17 network - predictor of response to anti-TNFα therapy in rheumatoid arthritits** PN-II-PT-PCCA-2013-4-0827 2014 – 2017

40. TELOCYTES IN HEART RENEWAL PN-II-ID-PCE-2011-3-0134 2012 - 2016

41**. Simulation and modeling of telocytes behavior in signaling and tissue regeneration processes** PN-II-PT-PCCA-2013-4-2208 2014 – 2017

42. Proiect P_37_732 **Knowledge transfer in redox biology for developing advanced molecular tools in neurodegenerative diseases – focus on the signature of Nrf2 transcription factor in diagnosis and therapy (REDBRAIN)**,2016-2020, buget:8.617.500 (Prog. POC al UE).

43. **Dezvoltarea institutionala a INCD Victor Babes dinspre performanta catre excelenta in sanatate**, Competiția 2018 MCI pentru „Proiecte de dezvoltare instituţională – Proiecte de finanţare a excelenţei în CDI" , buget 4.268.000, durata 2018-2020 (director de proiect).