

RAPORT DE AUTOEVALUARE
 - perioada 2003 – 2007 -

Nr. capit ol	Indicator	Nr.	Factor de multi plicare	Total punctaj
1	DATE DE AUTENTIFICARE ALE UNITĂȚII DE CERCETARE-DEZVOLTARE			
1.1	Denumirea - INSTITUTUL NATIONAL DE CERCETARE-DEZVOLTARE IN DOMENIUL PATOLOGIEI SI STIINTELOR BIOMEDICALE „VICTOR BABES”			
1.2	Statutul juridic - INSTITUT NATIONAL			
1.3	Actul de înființare – HG.984 / 1999			
1.4	Numărul de înregistrare în Registrul potențialilor Contractor – 2157			
1.5	Director general – Academician Laurențiu Mircea Popescu			
1.6	Adresa – Splaiul Independenței 99-101, sector 5, București 050096			
1.7	Telefon, fax, pagină web, mail – 319.27.32; 319.45.28; www.vbabes.ro ; contab@vbabes.ro			
2	DOMENIUL DE SPECIALITATE:			
2.1	Conform clasificării UNESCO – 5312.10; 5312.07			
2.2	Conform clasificării CAEN - 7310;8514			
3	STAREA UNITĂȚII DE CERCETARE-DEZVOLTARE			
3.1	<p>Misiunea unității de cerc etare-dezvoltare, direcțiile de cercetare, dezvoltare, inovare: <i>Misiune</i> – activitate de cercetare (fundamentală și aplicativă) în domeniul științelor biomedicale <i>Direcții de cercetare:</i></p> <ul style="list-style-type: none"> • Anatomie patologică • Imunologie • Genetică • Biologie celulară și moleculară <p>In afara activității de cercetare, Institutul Victor Babeș acordă asistență tehnico-științifică și metodologică rețelei de asistență medicală în probleme de diagnostic histopatologic supraspecializat, acordă asistență științifică și metodologică în realizarea licențelor, rezidențiatelor, doctoratelor și specializărilor în domeniile anatomie patologică, imunologie, genetică, biologie celulară și moleculară.</p> <p>In cadrul institutului funcționează și Centrul de Diagnostic, în cadrul căruia se asigură analize medicale și consultații în specialitățile anatomie patologică, imunologie, hermatologie, biochimie și genetică. Centrul de Diagnostic a fost creat pentru gestionarea serviciilor medicale către terți – pacienți, cabinete medicale, spitale, policlinici, precum și alți beneficiari interesați de investigațiile medicale paraclinice prestate de către Institutul Victor Babeș</p>			
3.2 –	<p>Modul de valorificare a rezultatelor de cercetare-dezvoltare, inovare și gradul de recunoaștere a acestora:</p> <ul style="list-style-type: none"> • Prezentarea rezultatelor cercetării la manifestări de specialitate, de prestigiu, din țară și străinătate; • Organizarea de simpozioane, mese rotunde, workshop-uri, conferințe în domeniile anatomie patologică, genetică medicală, imunologie, biologie celulară și moleculară; • Organizarea de cursuri în diferite specialități de interes pentru cercetătorii din institut și din afara acestuia; • Publicarea lucrărilor elaborate în reviste de prestigiu din țară și străinătate; • Elaborarea unor monografii, tratate, cărți de specialitate; <p>Participarea la competiții interne, în cadrul Programelor Naționale, cât și la elaborarea unor lucrări de cercetare în cadrul Programelor bilaterale. In scurt timp institutul își propune participarea la competiții în cadrul programului internațional FT7.</p> <p>Recunoașterea calității lucrărilor de cercetare elaborate în Institutul Victor Babeș este evidențiată de numărul mare de citări ale lucrărilor publicate în revistele de specialitate.</p>			

3.3	Situația financiară – datorii la buget (vezi anexele referitoare la bilanț și bilanță)
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CRITERII DE PERFORMANTA				
4	CRITERII PRIMARE DE PERFORMANȚĂ			
4.1	Lucrări științifice publicate, cotate ISI			
4.1.1.	Număr de lucrări științifice	60	X 30	1.800
4.1.2.	Punctaj cumulată ISI.			225,174
4.1.3	Număr de citări în reviste de specialitate cotate ISI	206	X 5	1.030
Total punctaj cap 4.1				3.055,174
4.2.	Brevete de invenție			
4.2.1.	Număr de brevete	-	x 30	0
4.2.2.	Număr de citări de brevete în sistemul ISI	-	x 5	0
Total punctaj cap. 4.2				0
4.3	Produce și tehnologii rezultate din activități de cercetare, bazate pe brevete, omologări sau inovații proprii. Studii prospective și tehnologice și servicii rezultate din activitatea de cercetare-dezvoltare, comandate de beneficiar			
4.3.1.	Număr de produse, tehnologii, studii, servicii	115	X 20	2.300
Total punctaj cap 4.3.				2.300
Total punctaj cap. 4				5.355.174
5 CRITERII SECUNDARE DE PERFORMANTA				
5.1.	Lucrari stiintifice (tehnice) publicate in reviste de specialitate fara cotation ISI			
5.1.1	Numar de lucrari	122	X 5	610
Total punctaj cap. 5.1				610
5.2	Lucrari stiintifice prezentate la conferinte internationale cu comitet de program			
5.2.1	Numar de comunicari prezentate	342	X 5	1.710
Total punctaj cap. 5.2				1.710
5.3	Modele fizice, modele experimentale, modele functionale, prototipuri, normative, proceduri, metodologii, reglementari si planuri tehnice noi sau perfectionate, realizate in cadrul programelor nationale sau comandate de beneficiar			
5.3.1	Numar de modele, normative, proceduri, etc.	61	X 5	305
Total punctaj cap. 5.3				305
Total punctaj cap.5				2.625
6 PRESTIGIUL PROFESIONAL				
6.1	Membri (incluzand statutul de recenzor) in colectivele de redactie ale unor reviste (cotate ISI sau incluse in bazele de date internationale) sau in colectivele editoriale ale unor edituri internationale recunoscute			
	Numar de prezente in perioada pentru care se face evaluarea:			
	<i>nume</i>	<i>titlul revistei/ editurii</i>	<i>nr.Prezente</i>	
	1 Laurentiu M popescu	J Cell Mol Med (red.sef)	5	
	2 Bogdan Popescu	J Cell Mol Med (ass.ed)	5	
	Dorel Arsene	Journal of Clinical Pathology	1	
			44	x 20
				880

	Gabriel Becheanu	J Cell Mol Med (ass.ed)	5			
	Gabriel Becheanu	Archives of the Balkan Medical Union (ass.ed)	3			
	Mircea Leabu	Langenbeck's Archives of Surgery (recenzor)	1			
	Mircea Leabu	J Cell Mol Med (ass.ed)	5			
	Agripina Lungeanu	(Elsevier Editorial System), Cancer Letters	5			
	Cristiana Tănase	Toxicology in Vitro	1			
	Critina Vidulescu	J Cell Mol Med (ass.ed)	5			
	Mihai Hinescu	J Cell Mol Med (ass.ed)	5			
	Dragos Cretoiu	J Cell Mol Med (as.manager)	2			
	Catalin Manole	J Cell Mol Med (as.publicatii)	1			
6.2	Membri in colectivele de redactie ale revistelor recunoscute national (din categoria B in clasificarea CNCSIS)					
	Numar de prezente: <i>nume</i>		<i>titlul revistei/ editurii</i>			
	1 Gabriel Becheanu	Revista Spitalul (Membru in comitetul stiintific)		5	x 10	50
	2 Gabriel Becheranu	Gastro.ro - (Editor)				
	3 Agripina Lungeanu	Maedica a Journal of Clinical medicine/ MAGISTER				
	4 Aurora Arghir	Maedica a Journal of Clinical medicine/ MAGISTER				
	5 Elena Moldoveanu	Medicina Moderna (Consilier de redactie)				
6.3	Premii internationale obtinute printr-un process de selectie					
	1 <u>Mihai Ceaușu</u> - "Second Prize" pentru lucrarea științifică: "The role of immunohistochemistry in Krukenberg tumors diagnosis" (C. Vizitiu, M. Ceaușu, A.Murariu, A. Vișan, A. Georgescu, D.M. Hurduc, A.C. Bobocea, A. Cromneanu, C. Ardeleanu) la "The 10 th International Congress for Medi-cal Students and Young Doctors, MEDIS 2006", Timișoara			2	X 20	40
	2 <u>Mihai Ceaușu</u> - "Best Poster Prize" of International Academy of Pathology, Hungarian Division, for "In situ hybridization for albuminic mRNA in hepatocellular carcinoma", at the 1 st Central European Regional Meeting, Liver & Pancreas Pathology, in Eger, Hungary, 1-3 June, 2006					
	Premii nationale ale Academiei Romane					
	Numar de premii <i>nume</i>		<i>premiul</i>	<i>anul</i>		
6.4	1 Laurentiu M Popescu	Premiul "Victor Babes"	1985	4	x 20	80
	2 Mihai Hinescu	Premiul "Victor Babes"	1985			
	3 Agripina Lungeanu	Premiul "Traian Savulescu"	1987			
	4 Dorel Arsene	Premiul "Gheorghe Marinescu"	2003			
6.5	Conducatori de doctorat, membri ai unitatii de cercetare					
	Numar de conducatori de doctorat: Prof.univ. Laurențiu Mircea Popescu Prof.univ. Elena Moldoveanu Prof.univ. Maria Sajin Prof.univ. Carmen Ardeleanu			4	x 10	40
6.6	Numar de doctori in stiinta, membri ai unitatii de cercetare					
	Numar de doctori in stiinta			21	x 10	210
					Total punctaj cap.6	1300
					TOTAL PUNCTAJ CAP 4 + 5 +6	9.280,174
7	VENITURI REALIZATE PRIN CONTRACTE DE CERCETARE in domeniul pentru care se face evaluarea					

		Nr.	Valoare	
7.1	Numar si valoarea contractelor de cercetare internationale finantate din fonduri publice (<i>valori defalcate pe ani si valoarea totala in euro</i>)	-		
7.2	Numar si valoarea contractelor de cercetare internationale finantate din fonduri private	-		
7.3	Numar si valoarea contractelor de cercetare nationale finantate din fonduri publice (<i>datele vor fi prezentate pe tipuri de [programe PCDI, CEEX, granturi, etc; valorile contractelor vor fi defalcate pe ani]</i>)	36	2003	20.500.000 mii lei
		52	2004	37.000.000 mii lei
		76	2005	44.900.000 mii lei
		68	2006	7.324,00 mii RON
		58	2007	12.800,00 mii RON
7.4	Numar si valoarea contractelor de cercetare nationale finantate din fonduri private	-		
7.5	Alte surse:			
7 bis	Venituri realizate din activitati economice (servicii, microproductie)		2003	589.769,02 mii lei
			2004	1.295.401,94 mii lei
			2005	2.517.103,16 mii lei
			2006	1.177.634,32 mii lei
			2007	7.017,05 RON
8	RESURSA UMANA DE CERCETARE			
8.1	Total personal de cercetare care realizeaza venituri din activitatea de cercetare-dezvoltare / din care doctori in stiinta Total 2007 – 147 / 22			
		An	Numar	
8.1.1	Cercetatori stiintifici gradul 1 (profesori) / din care doctori in stiinta	2003	5 / 5	
		2004	6 / 6	
		2005	7 / 7	
		2006	7 / 7	
		2007	6 / 6	
8.1.2	Cercetatori stiintifici gradul 2 (conferentieri) / din care doctori in stiinta	2003	9 / 2	
		2004	9 / 2	
		2005	9 / 9	
		2006	10 / 10	
		2007	9 / 9	
8.1.3	Cercetatori stiintifici gradul 3 (lectori) / din care doctori in stiinta	2003	9 / 2	
		2004	14 / 4	
		2005	17 / 6	
		2006	21 / 9	
		2007	19 / 6	
8.1.4	Cercetatori stiintifici / din care doctori in stiinta	2003	4 / 0	
		2004	5 / 1	
		2005	5 / 1	
		2006	8 / 1	
		2007	7 / 1	
8.1.5	Asistenti de cercetare	2003	19	
		2004	17	
		2005	18	
		2006	14	
		2007	14	
8.1.6	Total personal auxiliar de cercetare angajat	2003	66	
		2004	64	
		2005	73	

		2006	73
		2007	72
8.1.7	Personal neatestat (medici) / din care doctori in stiinta	2003	20 / 5
		2004	21 / 4
		2005	24 / 5
		2006	25 / 10
		2007	20 / 8
8.2	Date privind perfectionarea resursei umane		
8.2.1	Numar de doctoranzi si masteranzi care lucreaza in unitatea de cercetare-dezvoltare la data completarii formularului		14 doctoranzi 7 masteranzi
8.2.2	Numar de teze de doctorat realizate in unitatea de cercetare-dezvoltare in perioada pentru care se face evaluarea		11
9	INFRASTRUCTURA DE CERCETARE-DEZVOLTARE*		
9.1	Laboratoare de cercetare-dezvoltare		
	Nr. crt	Denumirea laboratorului	Domeniul in care este acreditat
	1	Laborator de Genetica medicala	
	2	Laborator de Biologie celulara	
	3	Laborator de Biologie moleculara	
	4	Laborator de Radiobiologie	
	5	Laborator de Imunobiologie	
	6	Laborator de Imunopatologie	
	7	Laborator Biobaza	- in curs de acreditare RENAR pe baza standardului SR EN ISO/CEI 17 025: 2005 - in curs de acreditare GLP
	8	Laborator de Histopatologie si histochimie	- in curs de acreditare RENAR pe baza standardului SR EN ISO/CEI 15189:2007
	9	Laborator de Biochimie	- in curs de acreditare RENAR pe baza standardului SR EN ISO/CEI 17 025 : 2005
	10	Laborator de Patologie ultrastructurata	
	11	Unitate de productie	- GMP
	12	Unitate nucleara	- Autorizatie CNCAN
9.2	Lista echipamentelor performante achizitionate in perioada evaluata - VEZI ANEXE		

* Sistemul de Management al Calității a fost certificat conform standardului SR EN ISO 9001/2001 din anul 2004 (certificat nr. 85C/2005)

ANEXE

ANEXA 4.1

LISTA LUCRARILOR PUBLICATE IN REVISTE CU COTATIE ISI

ANUL 2003

1. Becheanu G, Stamm B.- Inflammatory myoglandular polyp--a rare but distinct type of colorectal polyps. *Pathol Res Pract.* 2003;199(12):837-9. PMID: 14989496 [PubMed - indexed for MEDLINE]
2. Gheorghisan-Galateanu A, Fica S, Terzea DC, Caragheorgheopol A, Horhoianu V.- "Sertoli-Leydig cell tumor - a rare androgen secreting ovarian tumor in postmenopausal women. Case report and review of literature". - *J Cell Mol Med.* 2003 Oct-Dec;7(4):461-71. Review - 4 ct
3. Leabu M, ME Hinescu, S Uniyal, BMC Chan. Cell death in cell culture frame by frame. Spontaneous cell demise of a 3T3 fibroblast. *J Cell Mol Med.* 7, (2003) 192-193. 0 citari

4. Livescu Alexandra, Gina Manda, Carolina Constantin, Monica Neagu, Dana Iordachescu,- Plasma membrane potential interferes with the respiratory burst of peripheral granulocytes, *Journal of Cellular and Molecular Medicine*, 7(1): 73-78, 2003 ISSN: 1582-1838 IF1,694 – 2 ct
5. Manda G., M. Neagu, A. Livescu, C. Constantin, C. Codreanu, A. Radulescu,- Imbalance of peripheral B lymphocytes and NK cells in rheumatoid arthritis, *Journal of Cellular and Molecular Medicine*, 7(1): 79-88, 2003 ISSN: 1582-1838 IF1,694 – 3 ct
6. Moldoveanu E., Moicean A, Vidulescu C., Marta D.S., Colita A., , Apoptotic intensity and bcl 2 expression in patients with myelodysplastic syndrome treated with compounds which modulate proapoptotic cytokines. *J.Cell.Mol.Med*, 2003, 7(3), pp 313-22 - 1 ct
7. Moschopoulos M, Becheanu G, Stamm B. - Focal steatosis of the liver with metastatic carcinoma. *J Cell Mol Med*. 2003 Oct-Dec;7(4):490-1. PMID: 14754518 [PubMed - indexed for MEDLINE]
8. Tănase Cristiana, Codorean E., Ardeleanu C., Terzea D., Butur G., Manda G., M. Neagu, Ciubotaru V., Ogrezean I., Proliferation, p53 expression and apoptosis in pituitary adenomas: relationship to tumor behaviour, *Virchows Archiv*, vol. 443, nr.3, pg. 45, 2003, ISSN 0945-6317, ISI
9. Woenckhaus C, Giebel J, Failing K, Irina Fenic, Thomas Dittberner, Micaela Poetsch - Expression of AP-2 α , c-kit, and cleaved caspase-6 and -3 in naevi and malignant melanomas of the skin. A possible role for caspases in melanoma progression? – *Journal of Pathology*, 201(2),p 278-287, 2003 – 9 ct.

ANUL 2004

10. Mandache E, Vidulescu C, Gherghiceanu M, Dragomir P, Popescu LM. - Ultrastructural Defects of the Glomerular Basement Membranes Associated with Primary Glomerular Nephropathies. *J Cell Mol Med**. 28(2): 103-108. 2004 – 2 ct
11. Tănăseanu C., Moldoveanu E., Kosaka T., Tănăseanu Ș., Neagu M., Popescu L.M, The significance of human platelet-activating factor acetylhydrolase in patients with chronic stable angina, *Eur J Intern. Med*, 2004, 15, pp 291-297 – 4 ct

ANUL 2005

12. Ciontea SM, Radu E, Regalia T, Ceafalan L, Cretoiu D, Gherghiceanu M, Braga RI, Malincenco M, Zagrean L, Hinescu ME, Popescu LM. - C-kit immunopositive interstitial cells (Cajal-type) in human myometrium, *J Cell Mol Med*. 9(2):407-20. 2005 -25 ct
13. Gherghiceanu M, Popescu LM.- Interstitial Cajal-like cells (ICLC) in human resting mammary gland stroma. Transmission electron microscope (TEM) identification., *J Cell Mol Med**. 9(4):893-910. 2005 – 10 ct
14. Gherghiceanu M, Penescu M, Mandache E. - The predictive value of peritubular capillaries C3d deposition in IgA glomerulonephritis, *J Cell Mol Med**. 9(2):143-152. 2005 – 1 ct
15. Popescu LM, Ciontea SM, Cretoiu D, Hinescu ME, Radu E, Ionescu N, Ceausu M, Gherghiceanu M, Braga RI, Vasilescu F, Zagrean L, Ardeleanu C - Novel type of interstitial cell (Cajal-like) in human fallopian tube. *J Cell Mol Med**. 9(2):479-523. 2005 – 29 ct
16. Popescu L.M., Hinescu M.E., Ionescu N., Ciontea S.M., Cretoiu D., Ardeleanu C.: CD117/c-kit positive interstitial (Cajal-like) cells in human pancreas. *J Cell Mol Med* 9, 738-9, 2005 -3 ct
17. Popescu L.M., M.E. Hinescu, N. Ionescu, S.M. Ciontea, D. Cretoiu, C. Ardeleanu: "Interstitial cells of Cajal in pancreas", *J. Cell. Mol. Med.*, 9(1), 169-190, 2005 – 32 ct
18. Popescu LM, Gherghiceanu M, Cretoiu D, Radu E. - The connective connection: interstitial cells of Cajal (ICC) and ICC-like cells establish synapses with immunoreactive cells. Electron microscope study in situ. *J Cell Mol Med*. 9(3):714-30. 2005 – 10 ct
19. Radu E, Regalia T, Ceafalan L, et al. - Cajal-type cells from human mammary gland stroma: phenotype characteristics in cell culture - *Journal Of Cellular And Molecular Medicine* 9 (3): 748-751 JUL-SEP 2005 - 7 ct

ANUL 2006

20. Baconi, D. Balalau, D. Barca, M. Manda, G. Boscencu - Spectrofluorometric Studies on Organophosphate Compounds Influence over Membrane Potential of Human Lymphocytes and K562 Lymphoblastic Cells.

Revista de chimie -Bucharest- Original edition, 2006, VOL 57; PART 1, pages 12-15 ISSN 0034-7752 IF 2006 0.287

21. Codorean E., Tanase C., Iosif C., Raducan E., Popescu D., Barca V., Alternative mediators of apoptosis in toxic induced liver injury, *Virchows Archiv*, Vol. 448, No. 5, 2006
22. Cretoiu Sanda, M. Ciontea, L.M. Popescu, Laura Ceafalan, Carmen Ardeleanu: Interstitial Cjal-like cells (ICLC) as steroid hormone sensors in human myometrium: immunohistochemical approach, *J. Cell. Mol. Med.*, vol. 10, nr. 3, 2006, pp. 789-795 – 2 ct
23. Gherghiceanu M, Popescu LM. - Caveolar nanospaces in smooth muscle cells.*J Cell Mol Med**. 10(2):519-28. 2006 – 9 ct
24. Hansson C.A, B.O. Popescu, H. Laudon, A. Cedazo-Minguez, L.M. Popescu, B. Winblad, M. Ankarcona: Caspase-cleaved presenilin-1 is part of active γ -secretase complexes – *Journal of Neurochemistry*, 97: 356-364, 2006 – 1 ct
25. Hinescu ME, Gherghiceanu M, Mandache E, Ciontea SM, Popescu LM.- Interstitial Cajal-like cells (ICLC) in atrial myocardium: ultrastructural and immunohistochemical characterization.*J Cell Mol Med**. 10(1):243-57. 2006 – 10 ct
26. Jinga DC, Blidaru A, Condrea I, Ardeleanu C, Dragomir C, Szegli G, Stefanescu M, Matache C MMP-9 and MMP-2 gelatinases and TIMP-1 and TIMP-2 inhibitors in breast cancer: correlations with prognostic factors. *J Cell Mol Med* 2006, 10:499-510.- 4 ct
27. Leabu M. Membrane fusion in cells: molecular machinery and mechanisms. *J Cell Mol Med.* (2006) 10, 423-427. 4 citări
28. Min KW, Leabu M. Interstitial Cells of Cajal (ICC) and Gastrointestinal Stromal Tumor (GIST): facts, speculations, and myths. *J Cell Mol Med.* (2006) 10, 995-101 – 2 ct
29. Moldoveanu E, Tanaseanu C, Tanaseanu S, et al. - Plasma markers of endothelial dysfunction in type 2 diabetics - *European journal of internal medicine* 17 (1): 38-42 JAN 2006 - 4 citari
30. Moschopoulos M, Becheanu G, Stamm B. - Hypothalamic osteolipoma of the tuber cinereum. *J Cell Mol Med.* 2006 Jan-Mar;10(1):240-2.
31. Neagu Monica, Gina Manda, Carolina Constantin, Eugen Radu and Rodica-Mariana Ion, - Synthetic porphyrins in experimental photodynamic therapy induce different antitumoral effect, *Journal of Porphyrins and Phtalocyanins*, 2007 Jan;11 (1): 58-65 ISSN: 1088-4246 IF 2005 1.339
32. Popescu LM, Gherghiceanu M, Mandache E, Cretoiu D.- Caveolae in smooth muscles: nanocontacts, *J Cell Mol Med.* 10(4):960-90. 2006 - 2 ct
33. Popescu LM, Gherghiceanu M, Hinescu ME, Cretoiu D, Ceafalan L, Regalia T, Popescu AC, Ardeleanu C, Mandache E.- Insights into the interstitium of ventricular myocardium: interstitial Cajal-like cells (ICLC).*J Cell Mol Med**. 2006 Apr-Jun;10(2):429-58. – 10 ct
34. Popescu LM, Vidulescu C, Curici A, et al. - Imatinib inhibits spontaneous rhythmic contractions of human uterus and intestine - *European Journal Of Pharmacology* 546 (1-3): 177-181 SEP 28 2006 - 6 citari
35. Rath - Wolfson L, Rosenblat Y, Halpern M, Herbert M, Hammel I, Gal R, Leabu M, Koren R. A new scoring system using multiple immunohistochemical markers for diagnosis of uterine smooth muscle tumors. *J Cell Mol Med.* (2006) 10, 197-205. - 3 ct
36. Skopeliti M, Voutsas IF, Klimentzou P, et al. - The immunologically active site of prothymosin alpha is located at the carboxy-terminus of the polypeptide. Evaluation of its in vitro effects in cancer patients - *Cancer Immunology Immunotherapy* 55 (10): 1247-1257 OCT 2006, 2 ct
37. Sfrent-Cornateanu R., Mihai C., Balan S., Ionescu R., Moldoveanu E, , The IL-6 promoter polymorphism is associated with disease activity and disability in systemic sclerosis, *J.Cell.Mol. Med.*, 2006, 10 (4): 955-959
38. Simionescu Olga, Mariana Costache, Alessandro Testori- Cutaneous melanoma: digital dermoscopy-essential tool for positive diagnosis- *J Cell Mol Med* , vol.10, no.4, October- December 2006, pg. 991-994, ISSN 1582-1838, CNCSIS Lista A, Cotat ISI
39. Skopeliti Margarita, Ioannis F. Voutsas, Persefoni Klimentzou, Marinos L. Tsiatas, Alexander Beck, Aristotelis Bamias, Maria Moraki, Evangelia Livaniou, Monica Neagu, Wolfgang Voelter, Ourania E. Tsitsilonis, The immunologically active site of prothymosin alpha is located at the carboxy-terminus of the polypeptide. Evaluation of its in vitro effects in cancer patients, *Cancer Immunol Immunother* Oct; 55(10):1247-1257, 2006, DOI 10.1007/s00262-005-0108-4 ISSN: 0340-7004 IF 2006 4.313

40. Albulescu R., M.Albulescu, E.Codorean, C. Tanase, C. Lungu, A. Moldovan – In vitro biocompatibility testing of implantable biomaterials – *Toxicology in Vitro*, Elsevier Science Publishers, (in press)
41. Arsene D, Ardeleanu C, Balescu C, Nistorescu A. - Meningeal melanocytosis in a young patient – an autopsy diagnosis. *Clin Neuropathol* (in press), ISSN: 0722-5091.
42. Arsene D, Gherghiceanu M, Ardeleanu C, Danaila L. Highly cystic brain tumor: Rare histological features in an ependymoma. *Neuropathology* 2007; 27: 378-382, ISSN: 0919-6544.
43. Constantin Tanase, Florea G. Cocu, Miron T. Caproiu, Constantin Draghici, Ionela Neagoe, Gina Manda - New Nucleoside Analogues With Modified Sugar Moiety - *Revista de chimie* –Bucharest, 58, 5, 2007, ISSN 0034-7752, IF 2006 0.287
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LISTA STUDIILOR PROSPECTIVE, TEHNOLOGIILOR SI SERVICIILOR

STUDII

ANUL 2003

1. Studii de teratogeneza NYCOSULFURON **Contract 725/11.06.2002 SC Alcedo SRL**
2. Studiul activității xantinoxidazei și γ -glutamil trans-ferazei în ficatul parțial hepatectomizat, după tratament acut cu 2AAF **PN03-21.02.03 (2003-2005)**
3. Studiul markerilor de fluidizare a membranei eritrocitare ; Studiul capacității proliferative a limfocitelor la pacienți cu HTA - **Program Viasan 30/2001(2001-2004)**
4. Studiul de impact toxicologic în expunerea la carbamati de largă utilizare **Program Viasan 252 (2003 – 2005)**
5. Studiu experimental *in vivo* al efectelor hepatotoxice induse de expunerea subcronică la compuși cu Pb; comparații cu Pb+VE și Pb+ EDTA - **Program Biotech 02- 2 – PED – 462 (2003 – 2004)**
6. Studiu experimental de testare a comportamentului la aplicarea pe biosuporturi a sărurilor de monotetrazoliu sintetizate **Program Viasan 082 (2002 – 2003)**
7. Studii *in vivo* asupra efectelor antitumorale ale Silimarinei asupra animalelor purtătoare de melanom și carcinom. (3 studii complexe) - **Contract BIOTECH 370/2003**

ANUL 2004

8. Studiul enzimelor implicate în metabolismul glutationului și a micronucleatilor în hepato-cite, după hepatectomia parțială, la animale expuse acut la 2-acetil aminofluoren **PN03-21.02.03 (2003-2005)**
9. Studiul celulelor polimorfonucleare în diverse condiții de activare *in vitro* - **Program Viasan 30/2001(2001-2004)**
10. Studiul experimental de testare imunohistochimică a markerilor microangiogenezei și aprecierea densității microvasculare pe loturile de tumori hipofizare selecționate **Program VIASAN 246 (2003- 2005)**
11. Studiu experimental de testare a unor compuși standard cu structură tetrazolică **Program Viasan 266 (2003- 2005)**
12. Studii toxicologice carbamati: hepatotoxicitate, neurotoxicitate, imunotoxicitate **Program Viasan 252 (2003 – 2005)**
13. Studiu experimental de testare a comportamentului la aplicarea pe biosuporturi a sărurilor de bis-tetrazoliu sintetizate ; Studiul markerilor funcțiilor celulare în leucemia granulo-citară cronică la debut (ciclul celular, proliferare celulară, apoptoză) - **Program Viasan, Proiect Prioritar 8 (2003-2005)**
14. Studii *in vivo* asupra efectelor antitumorale ale Silimarinei asupra animalelor purtătoare de melanom și carcinom. (2 studii complexe) - **Contract BIOTECH 370/2003 :**
15. Studii asupra efectelor modulatorie ale melatoninei ca terapie unică sau asociată chimioterapiei asupra evoluției relațiilor gazda-celule tumorale pe modele experimentale *in vivo*. (3 studii complexe) - **Contract VIASAN 285/2003**

ANUL 2005

16. Studiul proceselor fotodinamice **Program VIASAN 376**
17. Studiu asupra biomaterialelor polimerice și aplicațiilor lor medicale **Program VIASAN 381**
18. Studiu privind implicarea proteinei caveolina-1 în patogeneza glioblastoamelor (proces de proliferare și angiogeneza); Studiul experimental de analiză imunohistochimică a markerilor microangiogenezei și caveolinei 1 pe lotul de glioblastoame neiradiate și iradiate **Program VIASAN 413**
19. Studiu experimental de testare a comportamentului la aplicarea pe biosuporturi a sărurilor de monotetrazoliu și bis-tetrazoliu sintetizate; Studiu experimental de testare a compușilor mono tetrazolici; Studiu experimental de testare a compușilor bis-tetrazolici **Program Viasan 266 (2003- 2005)**

20. Studiu toxicologic efecte teratogene carbamati ; Studiu epidemiologic in expunere ambientala, accidentala - **Program Viasan 252 (2003 – 2005)**
21. Studiul efectului seleniului asupra enzimelor implicate in metabolismul gluta-tionului la animale partial hepatectomi-zate, tratate cu 2-acetil aminofluoren - **PN03-21.02.03 (2003-2005)**
22. Evaluarea comple-xă a parametrilor moleculari și celulari, în vederea stabilirii semnificatiei clinice pentru diagnostic si monitorizare a trata-mentului - **Program Viasan, Proiect Prioritar 8 (2003-2005)**
23. Studiu experimental de evaluare a alte-rărilor nespecifice in-duse de tratamentul citostatic; - Studiu de de-terminare a rolului hepatoprotector al *catechinei* în raport cu actiunea toxică a *ifosfamidei* la animale purtătoare /nepurtă-toare de tumoră Walker - **Program Viasan 345/2004 (2004-2006)**
24. Studiu experimental de evaluare a acțiunii toxice a tricloretilenei la nivelul limfocitelor splenice; Studiu experimental de evaluare a capacității protectoare a N-acetil-cisteinei, utilizată pentru contra-cararea efectelor toxice ale triclor-etilenei - **Program Viasan 378/2004 (2004-2006)**
25. Studiu experimental pri-vind influența aero-ionizării artificiale asupra factorilor cu potențial ateromatos - **Program Viasan 466/2004 (2004-2006)**
26. Studii pentru evaluarea *in vivo* a efectelor melatoninei exogene in senescenta si degenerare celulara (2 studii complexe) - **Contract VIASAN 299/2004**

ANUL 2006

27. Studii si cercetari privind obtinerea de produse nutritio-nali functionalizati pentru administrare enterala in unitatile de terapie intensiva (PNE-ATI) **Program CEEEX 60 (2006-2008)**
28. Studii preclinice a produsilor hepatoprotectori si imunomodulatori in vederea transferului rezultatelor spre producator extracte naturale si spre clinica - Omologarea produsilor testati **Program BIOTECH 4743 (2005 – 2007)**
29. Studiu de evaluare a utilizării compușilor tetrazolici în tehnici moderne da largă aplicabilitate în cercetarea medicală și in clinică; Studiu experimental de testare a comportamentului la aplicarea pe biosuporturi a sărurilor de monotetrazoliu sintetizate **Program Viasan 266 (2003- 2005)**
30. Studiul efectului vita-minei E asupra enzi-melor implicate in metabolismul glutati-onului la animale partial hepatectomizate, tra-tate cu 2-acetil amino-fluoren - **PN03-21.02.03 (2003-2005)**
31. Studiu de determinare a rolului hepatopro-tector al miricetinei în raport cu actiunea toxică a ifosfamidei la animale purtătoare /nepurtătoare de tumo-ră Walker - **Program Viasan 345/2004 (2004-2006)**
32. Studiul acțiunii pro-tectoare a quercitinei pentru contracararea efectelor toxice ale tricloretilenei - **Program Viasan 378/2004 (2004-2006)**
33. Studiu experimental privind influența aeroio-nizării artificiale asupra sistemului imunitar și mecanismelor enzimaticice de protecție anti-oxidativă - **Program Viasan 466/2004 (2004-2006)**
34. Studii pentru evaluarea *in vivo* a efectelor melatoninei exogene in senescenta si degenerare celulara (2 studii complexe) - **Contract VIASAN 299/2004**

ANUL 2007

35. Studii non-clinice privind eficacitatea produsului; Studii privind efica-citatea nutritionala; Studii privind efecte farmaco-dinamice asociate **Program CEEEX 60 (2006-2008)**
36. Studiul ultrastructural al caveolelor in celulele din tesutul tumoral si normal prin microscopie electronica de transmisie. Detectarea nivelului de expresie al caveolinelor 1, 2 si 3 din tesut tumoral prin Imunohistochimie, Western Blot, citometrie de flux **Program CEEEX 64 (2006-2008)**
37. Studiu de risc pentru condițiile de mediu specifice României; Studiul riscurilor posibile pentru populația expusă (natură, gravitate, frecvență) prin abordări epidemiologice, biologice, toxicologice, clinice; Studiul relației dintre natura expunerilor, intensitatea lor, frecvența, durata lor și riscuri; - Studiul impactului comportamentului individual sau colectiv asupra expunerii la risc - **Program CEEEX 65 (2005 – 2008)**
38. Realizare studiu pilot 1 "in vivo" (SP1) – administrare produse, monitorizare toxicologica; Studiu analitic - analiza date farmacocinetice si toxicologice; Studii ex-vivo / (farmacodinamie, toxicologie) model experimental in vitro – metabolizare in linie celulara, model de transport - **Program CEEEX 73 (2006 – 2008)**
39. Studiul efectelor ra-diatiiilor laser de mică putere asupra celulelor în cultură - **Program CEEEX 66 (2005-2008)**
40. Studiu asupra efectelor unor produse cu efecte antiinflamatoare in artrita reumatoida (1 studiu complex) - **Contract CEEEX 114/2006**

41. Studiu asupra efectelor metodei fotofizice de terapie posttraumatica (1 studiu complex).- **Contract CEEEX nr. 66/2005**
42. Studiu asupra efectelor terapiei fotodinamice asupra evolutiei melanomului B16. (1 studiu complex).- **Contract CEEEx nr. 18/2005**
43. Studiu asupra mecanismelor implicate in inducerea fibrozei tubulo-interstitiale in glomerulonefrita cronica (1 studiu complex).- **Contract CEEEX 79/2006**
44. Studiu asupra utilizarii micro si nanosferelor radiomarcate pentru terapia cancerului (1 studiu) - **Contract CEEEX nr. 51/2006**

SERVICII

ANUL 2003

SECTIA DE HISTOLOGIE SI HISTOPATOLOGIE

1. **Contract prestari servicii cu AVENTIS PHARMA nr. 378/20.03.2003 ;**
 2. **LA ROCHE nr. 2568/2003 ;**
 3. **Contract CASMB P62/2003 ;**
 4. **OPSNAJ 256/2003 ; CAST/2003 ;**
 5. **Contract 688/2003 cu GlaxoSmithKline ; Contract 1171/2003 cu S.C. TOP-DERM u.n.i. SRL**
1. Imunohistochimie
 2. Histopatologie
 3. Citologie
 4. Examen secretie vaginala
 5. Examen lichid punctie
 6. Biologie Moleculara (FISH)
 7. Immunologie
 8. Genetica

UNITATEA NUCLEARA

6. **Contract RO/13763 - beneficiar CNE-PROD Cernavoda**
1. Efectuare test citogenetic (Test micronuclei)

LABORATOR IMUNOPATOLOGIE

7. **Firma Lorus, Canada – Contract 2003 - LOR/VIR/PO3/002**
Clinical Trial phase III, double blind, multicenter, randomized study in chemo-naive patients with locally advanced or metastatic pancreatic cancer to compare a combination therapy of Virulizin® plus Gemcitabine versus placebo plus Gemcitabine; optional second-line therapy may include continuation of Virulizin® or placebo, alone or in combination with 5-Fluorouracil

ANUL 2004

SECTIA DE HISTOLOGIE SI HISTOPATOLOGIE

8. **Contract prestari servicii cu LA ROCHE nr. 2568/2004 ;**
9. **Contract CASMB P62/2004 ;**
10. **CONTRACT OPSNAJ 256/2004 ;**
11. **CONTRACT CAST/2004 ;**
12. **Contract prestari servicii 132/2004 cu S.C. TOP-DERM u.n.i. SRL ;**
13. **Contract prestari servicii Cabinet Medical Individual Prof. Dr. I Balanescu nr. 664/2004**

1. Imunohistochimie
2. Histopatologie
3. Citologie
4. Examen secretie vaginala
5. Examen lichid punctie
6. Biologie Moleculara (FISH)
7. Immunologie

UNITATEA DE PRODUCTIE

14. Contract 129/12.01.2004 beneficiar IOMC Bucuresti

15. Contract 4705/05.04.2004 beneficiar Spitalul Clinic Judetean Cluj

1. Livrare Dispozitiv medical: « Baterie pentru depistarea fenilcetonuriei »

UNITATEA NUCLEARA

16. Contract RO/15269 beneficiar CNE-PROD Cernavoda

17. Contract M-382 beneficiar CNE-INVEST Cernavoda

1. Efectuare test citogenetic (Test micronuclei)

ANUL 2005

SECTIA DE HISTOLOGIE SI HISTOPATOLOGIE

18. Contract prestari servicii cu LA ROCHE nr. 2568/2005 ;

19. Contract CASMB P62/2005 ;

20. CONTRACT OPSNAJ 256 /2005 ;

21. CONTRACT CAST/2005 ;

22. Contract Pfizer/2005 – participare studiu clinic 96-OEXE – 031 ;

23. Contract prestari servicii 1848/2005 cu Fundatia Dr. « Victor Babes » ;

24. Contract prestari servicii medicale MEDICOVER 155/2005 ;

25. Contract prestari servicii 155/2005 cu S.C. TOP-DERM u.n.i. SRL ;

26. Contract prestari sevicii Cabinet Medical Individual Prof. Dr. I Balanescu nr. 664/2005;

27. Contract NOVARTIS 165/2005 – participare studio clinic .

1. Imunohistochimie
2. Histopatologie
3. Citologie
4. Examen secretie vaginala
5. Examen lichid punctie
6. Biologie Moleculara (FISH)
7. Immunologie

UNITATEA DE PRODUCTIE

28. Contract 129/12.01.2004 (Act additional) beneficiar IOMC Bucuresti

29. Contract 4705/05.04.2004 (Act additional) beneficiar Spitalul Clinic Judetean Cluj

1. Livrare Dispozitiv medical: « Baterie pentru depistarea fenilcetonuriei »

UNITATEA NUCLEARA

30. Contract 42/10.04.2005 - beneficiar SC IOWEMED

1. Efectuare test citogenetic (Test micronuclei)

LABORATOR DE IMUNOPATOLOGIE

31. Firma "Tody Group" București – Contract 2005

1. Evaluarea prin imunofluorescență a lamelor-test prelucrate pentru diagnosticul a diferite categorii de autoanticorpi serici.

ANUL 2006

SECTIA DE HISTOLOGIE SI HISTOPATOLOGIE

32. Contract prestari servicii cu LA ROCHE nr. 2568/2006 ;
33. Contract CASMB P62/2006 ;
34. CONTRACT OPSNAJ 256 /2006 ;
35. CONTRACT CAST/2003 ;
36. Contract UMF "Carol Davila" 1316/2006 – subcontract terti – VIASAN 453/2004 ;
37. Contract Fizica Laserilor 518/2006 - subcontract terti – CEEX43/2005 ;
38. Contract NOVARTIS 165/2006 – participare studio clinic ;
39. Contract Pfizer/2006 - participare studiu clinic 96-OEXE – 031 ;
40. Contract prestari servicii 1848/2006 cu Fundatia Dr. « Victor Babes » ;
41. Contract prestari servicii medicale MEDICOVER 155/2006 ;
42. Contract prestari servicii 1646/2006 cu S.C. TOP-DERM u.n.i. SRL ;
43. Contract prestari servicii Cabinet Medical Individual Prof. Dr. I Balanescu nr. 664/2006

1. Imunohistochimie
2. Histopatologie
3. Citologie
4. Examen secretie vaginala
5. Examen lichid punctie
6. Biologie Moleculara (FISH)
7. Imunologie
8. Hematologie
9. Biochimie

UNITATEA DE PRODUCTIE

44. Contract 1584/15.03.2006 beneficiar IOMC Bucuresti
45. Contract 4705/05.04.2004 (Act aditional) beneficiar Spitalul Clinic Judetean Cluj

1. Livrare Dispozitiv medical: « Baterie pentru depistarea fenilcetonuriei »

UNITATEA NUCLEARA

Contract 42/10.04.2005 (Act aditional) beneficiar SC IOWEMED

46. Contract 726/RO-19583 beneficiar CNE-PROD Cernavoda

47. Contract 7452/30.06.2006 beneficiar Centrul de Pregatire si Specializare a Cadrelor in Domeniul Nuclear

1. Efectuare test citogenetic (Test micronuclei)
2. Studiu de impact: Impactul functionarii Centralei asupra biotei din zona Cernavoda
3. Efectuare practica pentru cursanti, Curs Postuniversitar de utilizare a izotopilor radioactivi

LABORATOR DE IMUNOPATOLOGIE

48. Sp. Clinic "I.Cantacuzino" București – Contract 2006

1. Model experimental și determinări serice pentru cuantificarea efectului Simvastatinei asupra inflamației sistemice, modificărilor cardiace subclinice și aterosclerozei precoce în artrita reumatoidă

ANUL 2007

SECTIA DE HISTOLOGIE SI HISTOPATOLOGIE

49. Contract prestari servicii Medicale Sp Sf Maria nr. 373/02.03.2007 ;
50. Contract prestari servicii 1646/2007 cu S.C. TOP-DERM u.n.i. SRL ;
51. Contract prestari Servicii Clinica Elite nr. 311/2007 ;
52. Contract S.C. BIOTERRA – MED nr. /2007 ;
53. Contract prestari servicii Cabinet Medical Individual Prof. Dr. I Balanescu nr. 664/2007 ;
54. Contract prestari servicii 1848/2006 cu Fundatia Dr. « Victor Babes » ; Contract prestari servicii medicale MEDICOVER 155/2007 ;
55. Contract prestari servicii medicale CASMB P62/2007 ;
56. Contract OPSNAJ 256 /2007 ;
57. Contract prestari servicii CASJ Arges A75P/2007 ;
58. Contract prestari servicii CASJ Braila 936/2007 ;
59. Contract prestari servicii CASJ Bacau 75/2007 ; Contract prestari servicii CASJ Buzau 2581/2007 ;
60. Contract prestari servicii CASJ Calarasi 358/2007 ;
61. Contract prestari servicii CASJ Dambovita 14ASP /2007 ;
62. Contract prestari servicii CASJ Giurgiu 426/ 2007 ;
63. Contract prestari servicii CASJ Ialomita 410/2007 ; Contract prestari servicii CASJ Ilfov 451/2007 ;
64. Contract prestari servicii CASJ Prahova 44/2007 ;
65. Contract prestari servicii CASJ Vrancea B38/2007

1. Imunohistochimie
2. Histopatologie
3. Citologie
4. Examen secretie vaginala
5. Examen lichid punctie
6. Biologie Moleculara (FISH)
7. Imunologie
8. Hematologie
9. Biochimie
10. Microbiologie

UNITATEA DE PRODUCTIE

66. Contract 1584/15.03.2006 (Act additional) - beneficiar IOMC Bucuresti
67. Contract 4705/05.04.2004 (Act additional) - beneficiar Spitalul Clinic Judetean Cluj
68. Contract 31/11.01.2007 - beneficiar Asociatia Romana de Preventie a Cancerului

1. Livrare Dispozitiv medical: « Baterie pentru depistarea fenilcetonuriei
2. Serviciul de sterilizare pe cale umeda si uscata a instrumentarului medical

UNITATEA NUCLEARA

69. Contract 42/10.04.2005 (Act additional) beneficiar SC IOWEMED

1. Efectuare test citogenetic (Test micronuclei)

LABORATORUL DE IMUNOPATOLOGIE

70. Institutul de Ocrotire a Mamei și Copilului București – Contract 2007

1. Evaluarea prin imunofenotipare a statusului imun celular la copii cu imunodeficiență umorală

LABORATORUL DE IMUNOBIOLOGIE

71. Institutul National de Cercetare-Dezvoltare pentru Fizica Laserilor, Plasmei si Radiatiei Contract de prestari servicii medicale 2007 – 23-07-03/23.04.2007

1. Teste de imunofenotipare prin citometrie in flux

Lucrari stiintifice publicate in reviste de specialitate fara cotate ISI

ANUL 2003

1. Baconi Daniela Luiza, Gina Manda, Dan Bălălaşu, Monica Neagu, Mihaela Ilie - Investigarea in vitro a potențialului imunotoxic al clorpirifosului. Nota II: efectele asupra proliferării limfocitelor umane izolate din sânge periferic -, *Farmacia*, LI (6),: 87-91, 2003. ISSN 0014-8237
2. Budisteanu M., C. Burloiu, G. Popescu-Tismana, B. Budisteanu, D. Sandu, A. Arghir, L.Serghei, A. Lungeanu. - Sindromul X fragil - aspecte fenotipice variabile. *Revista Societatii de Neurologie si Psihiatrie pentru copii si adolescenti din Romania*, vol. 6, 2003. 20-3734, CNCSIS Lista D
3. Diculescu M, Ciocirlan M, Ciocirlan M, Pitigoi D, Becheanu G, Croitoru A, Spanache S.- Folic acid and sulfasalazine for colorectal carcinoma chemoprevention in patientswith ulcerative colitis: the old and new evidence. *Rom J Gastroenterol*. 2003 Dec;12(4):283-6. PMID: 14726972 [PubMed - indexed for MEDLINE]
4. Draghici L, Nicolici NV, Vrabie Camelia, Litescu Alina, Dragomirescu C. Consideratii clinico-terapeutice pe marginea a doua cazuri de neoplasm cutanat rar. *Revista Medicina Moderna*, vol X, nr 10, 2003 oct.ISSN-1223-0472
5. Fierbinteanu- Braticevici Carmen, Mariana Udeanu, Dragomir Paul, Andronescu Dan,„The effects of Carvedilol, a nonselective beta- blocker hemodynamics in cirrhosis”- *Romanian Journal of Internal Medicine*, 3, 247, 2003
6. Fierbinteanu-Braticevici Carmen, M. Udeanu, P. Dragomir, D. Andronescu,„The effect of Carvedilol, a nonselective beta-blocker hemodynamics in cirrhosis”, *Romanian Journal of Internal Medicine*, 3,247, 2003.
7. Gologan R, C Dobrea, V Tomulescu, C Stanescu, I Lupescu, L Bujor, D Colita. Complete remission in Hodgkin lymphoma documented after removal of mediastinal masses by video-assisted thoracoscopy. *AnnFundeniHosp*, 2003, 8(3-4):24;
8. Gologan R, CDobrea, DOstroveanu, ADumitrescu, DColita, Lgioada. Hairy-cell leukemia treated by interferon and weekly administration of chlorodezoxiadenosine. *Rev Rom Oncol*,2003 ;40 :18-22 ;
9. Gologan R, Dobrea C, Popa L, Gioada L, Dragomir M. Multiple myeloma in remission complicated by bone marrow granulomas. *RomJ Intern Med*. 2003;41(3):323-328;
10. Gologan R, DOstroveanu, CDobrea, LGioada, Vlacob, ENiculescu-Mizil, AColita, ADMoicean, RStoia, OGeorgescu. Corelatii cito-histopatologice in sdr mielodisplazic. Concordanta cito-histopatologica, scorul prognostic histopatologic, clasificarea histopatologica, celulele CD34+. *Docum Haematol*, 2003;11:41-51;
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ANEXA 5.2

Lucrari stiintifice prezentate la conferinte internationale cu comitet de program

ANUL 2003

Sixth International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States , Prague 2003

1. Popescu Ionela Daniela, I. Nicolae, Tănase Cristiana, E. Raducan, E. Codorean, - Enzyme immobilized as biosensor in monitoring of the carbamate pesticides
2. Raducan Elena, E. Codorean, D. Popescu, Tănase Cristiana, - Time and dose dependent modulation of the biochemical and morfological markers in pesticides exposure

IEM Conference, Grecia 2003

3. Tănase Cristiana, Codorean E., Terzea D., Neagu M., Manda G., Ciubotaru V., OGREZEAN I., Ardeleanu C., - p53 expression correlated with tumor growth fraction in evaluation of pituitary adenomas aggressiveness

19th European Congress of Pathology, Ljubljana 2003,

4. Ardeleanu C, F Andrei, M Ceausu, D Terzea, C Dobrea, C Iosif, M Mihai, M Neagu. C-erb B2 overexpression in breast cancer with negative lymph nodes. *Virch.Arch.*,443,3, P-044,pg.309. ISSN0945-6317.
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6. Costache M, E Ionica, M Costache, CD Vrabie. Apoptosis in cutaneous malignant melanomas (P-252), poster
7. Costache Mariana, Elena Ionică, Marieta Costache, Camelia Doina Vrabie - Apoptoza în melanomul malign cutanat; Published in *Virchows Archiv* vol.443, nr.3, sept.2003,ISSN 0945-6317
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9. Ionica E, CD Vrabie, E Nistor. Correlations between ususal molecular markers and apoptotic index in bladder cancer (P-431). Poster
10. Iosif C, C Ardeleanu, F. Andrei, C Dobrea, D Terzea, F Vasilescu, G Butur: Evaluation of T lymphocyte subPopulations in chronic hepatitis- relationship with histological lesions *Virch.Arch.*,443,3, P-403,pg.424. ISSN0945-6317

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14. Radulescu D, Stolnicu S, Amalinei C, Ardeleanu C, Dobrescu G, Stanciu A: Primary cutaneous diffuse large B-cell lymphoma. Virch.Arch.,443,3, O-122, pg. 284. ISSN0945-6317
15. Staniceanu F, C Ardeleanu: Pleomorphic variant of a spindle cell lipoma, Virch.Arch., Vol. 443, Nr. 3, P-104, pg.328. ISSN0945-6317
16. Staniceanu F, S Zurac, C. Ardeleanu, E Gramada: Spindle cell tumors of the breast; difficulties in the differential diagnosis, Virch.Arch.,443,3, P-018,pg.301. ISSN0945-6317
17. Tanase C, C Ardeleanu, D Terzea, G Butur, M Neagu : Proliferation, p53 expression and Apoptosis in relationship to tumor behaviour Virch.Arch.,443,3, P-104, pg.453. ISSN0945-6317
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20. Vasilescu F, C Dobrea, E Niculescu- Mizil, A Colita, L Caban, R Stoia, D Ostroveanu, A Iofciulescu, D Terzea, C Iosif- "Myeloid sarcoma- 9cases analysis"

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The 15th European Congress of Clinical Chemistry and Laboratory Medicine, 22nd National Congress of the Spanish Society of Clinican Biochemistry and Molecular Pathology, Barcelona 2003"

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41. Ciotaru D., C. Ursaciuc, Mihaela Surcel, Doina Barac - Immunological evaluation of autoimmune hepatitis
42. Ianas Olga, Manda Dana, Vladoiu Suzana, Balmes Elena, Manda Gina, Neagu Monica, Iordachescu Carmen - Effector of pinealelatonin on proliferative response of blood lymphocytes in autoimmune thiroid disease,
43. Manda Gina, Monica Neagu, Laura Olariu, Marinela Gaghés, C. Codreanu: Immune consequences of the imbalance between the peripheral B lymphocytes and NK cells in rheumatoid arthritis,
44. Ursaciuc C., D.Ciotaru, Mihaela Surcel, Doina Barac. Systemic vasculitis associated with cerebral and ocular diseases; autoimmune features

15th European Immunology Congress, Rhodos, 2003

45. Livescu A., Neagu M., Constantin C., Manda G., Gaghés M., Tanaseanu C Functional parameters of peripheral neutrophils isolated from unstable angina patients – published in *Immunology Letters*, Special Issue, Vol. 87, No. 1-3: 44-45, 2003; ISSN: 0165-2478 IF 1,71
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49. Manda Gina, Monica Neagu, Liana Toma, Catalin Codreanu - Inhibition of pyrimidine synthesis by leflunomide modulates the oxidative activity of granulocytes in rheumatoid arthritis,
50. Neagu M., G. Manda, M. Gaghes, C. Constantin, C.Tanaseanu - The in vitro functions of normal peripheral lymphocytes are influenced by low molecular weight heparines,

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54. Radu Liliana, V.Preoteasa, D. Gazdaru, B. Constantinescu.- Microdosimetrie des radiolesions de la chromatine, produites par les neutrons rapides”

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55. Tanase Cristiana, E. Codorean, C. Ardeleanu, G. Butur, G. Manda, C. Ursaciuc, E. Radu, D.I. Popescu, E. Raducan, M.L. Cruceru, M.A. Niculescu, V. Ciubotaru, I. OGREZEAN, Apoptosis in pituitary tumors; comparative study by flow cytometry and in situ end-labeling technique

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56. Surcel Mihaela, D.Ciotaru, C.Ursaciuc, Maria Dobre, I.Arabagiu. Lymphocyte immunophenotyping in bladder cancer patients
57. Ciotaru D., Mihaela Surcel, C.Ursaciuc, Doina Barac, I.Arabagiu. Functional exploration of T-lymphocyte in bladder cancer patients

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58. Ardeleanu C., M.Ceausu M, F.Andrei, D.Ene, F.Halalau: Osteopontin immunomodulating the cellular response in tuberculosis., *Pathology Int* vol. 54 suppl. 2, A 125.ISSN 1320-5463
59. Barca Valentin, Daria Mihalache, Vasile Preoteasa - Selenium and Vitamin E modulatory effects on genomic DNA double strand breaks induced by chemical carcinogens in acute treatment in Wistar rats”.
60. Butur G., M.Ceausu, C.Ardeleanu, C.Ursaciuc, D.Butur, C.Iosif, F.Vasilescu: Histopathological injury and cellular immune response associated with serum anti-HCV counterparts antibody profile in chronic HCV serotype 1 hepatitis.: *Pathology Int* vol. 54 suppl. 2, A 91. ISSN 1320-5463
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69. Fica S, AM Stefanescu, C Barbu, D Terzea, M Coculescu, T Ciprut- "Diabetes Mellitus remission after Multiple Tumor Resection in Pheochromocytoma"- American Association of Clinical Endocrinologists

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73. Costache Mariana, Simionescu Olga, Maria Sajin, Vrabie Camelia Doina- Prognostic significance of ki-67, p53 and bcl-2 expression in cutaneous malignant melanomas;; pg.47.
74. Vrabie Camelia-Doina, Elena Ionica, Marieta Costache, Zoia Marculescu. About tests that could help the pathologist to predict the course of bladder carcinoma., *platform presentation*

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79. Baconi Daniela L., Maria Barca, Dan Balalau, Gina Manda, Teodora M. Neagu Immunomodulatory effects exerted in vitro by low concentrations of organophosphorus compounds on lymphocyte proliferation,

80. Barca Maria, Dan Balalau, Manuela Dudau, Anne-Marie Ciobanu, Gina Manda, Teodora M. Neagu - The effects exerted in vitro by hydrofobic methotrexate loaded in liposomes on normal and neoplastic lymphoid cells,

4th Balkan Congress of Immunology, 5-8 sept 2004, Istanbul, Turcia

81. Ciotaru D., M. Surcel, M. Dobre, C.Ursaciuc, D.Rusu, I.Arabagiu. Cellular immune status in bladder cancer patients
82. Constantin Carolina, Gina Manda, Monica Neagu, Marinela Gaghes, Cornel Ursaciuc - Nucleic acids as a marker for molecular analysis of digestive tumors,
83. Gaghes M., M. Neagu, G. Manda, C. Constantin, M. Caralicea Immunomodulatory effect of cucumis melo extract on normal and tumoral cells,
84. Manda Gina, Monica Neagu, Alina Radulescu, C. Codreanu - Immunologic background of the clinical/biological outcome of rheumatoid arthritis patients during leflunomide therapy,
85. Manda Gina, Monica Neagu, Carolina Constantin, Daniela Baconi Immunomodulatory signals delivered in vitro by methadone and naloxone to human normal and neoplastic immune cells,
86. Neagu M., Manda G., Gaghes M., Constantin C., Skopeliti M., Voutsas JF., Tsitsilonis O.E. - Prothymosin alpha and peripheral human neutrophils,
87. Neagu Monica, Gina Manda, Carolina Constantin, Isabela Tamsula, Alina Cojan, Cristina Tanaseanu - Unbalance of peripheral lymphocytes subpopulations in non-Q and myocardial infarctus,
88. Neagu Monica, Gina Manda, Carolina Constantin, Marinela Gaghes, Rodica-Mariana Ion - Experimental model of antitumoral photodynamic therapy with porphyrins,
89. Skopeliti M., Voutsas JF., Tsiatas ML., Moraki M., Neagu M., Manda G., Gaghes M., Constantin C., Voelter W., Tsitsilonis O.E. - Towards the determination of the immunomodulatory region of prothymosin alpha,
90. Tanase C., E. Codorean, G. Manda, M. Neagu, DI. Popescu, E. Raducan, ML. Cruceru, G. Butur, M. Neagu, C. Ardeleanu - Immunohistochemical Analysis of Proliferation and Apoptosis in Pituitary tumors; influence of chemotherapy,
91. Ursaciuc C., M. Surcel, C.Constantin, M. Dobre. Regulatory T-cells (T-CD4+CD25+) and soluble IL-2 receptor in peripheral blood of digestive cancer patients

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207. Baconi D, A M Ciobanu, C Hudita, G Manda, D Balalau, M Barca, M Ilie, M Ionica - Monitoring the heroine addict patients during methadone substitution therapy
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221. Julea I, M Comanescu, D Protopopescu, C Ardeleanu - Deciduoza peritoneala – prezentare de caz
222. Manda Gina, Monica Neagu, Carolina Constantin, Alina Radulescu, Catalin Codreanu - Imunomodulare in artrita reumatoida prin inhibitia sintezei *de novo* a nucleotidelor pirimidinice cu leflunomid
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241. Leabu Mircea - Integrins crosstalk with growth factor receptors in controlling and modulation of cell morphology

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261. Lungeanu Agripina, Aurora Arghir, Sönke Arps, Georgeta Cardos, Nicoleta Dumitriu, Alexander Rodewald - Molecular characterization of chromosome Y structural abnormalities in two cases of ambiguous genitalia
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280. Mandache E, Gherghiceanu Mihaela - Diabetic nephropathy associated with crescentic proliferation
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284. Neagu Monica, Gina Manda, Carolina Constantin, Ionela Neagoe, Lucian Albulescu, Cristiana Tanase, Eleonora Codorean, Daniel Boda, Sanda Marta Popescu - Inflammatory markers in leg ulcer fluid from chronic venous insufficiency (CVI),

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285. Neagu M., G. Manda, C. Constantin, G. Savi, I. Savi, I. Neagoe, M. Nechifor, R. Ion - Skin melanoma treated with photodynamic therapy protocols generates specific immune response – experimental animal model

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287. Nica Adriana, Revnic C, Botea Simona, Ginghina C, Revnic Floarea - ¹H-NMR studies of erythrocyte membrane permeability in rats of different ages, with experimental atherosclerosis - New horizons in coronary artery diseases
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295. Baconi Daniela, Dan Balalau, Gina Manda, Monica Neagu, Maria Barca, Anne-Marie Ciobanu - Immunotoxic effects of some organophosphate pesticides in rat

296. Barca Maria, Daniela Baconi, Gina Manda, Dan Balalau, Anne-Marie Ciobanu, Theodora Neagu - Immunosuppressive action exerted in vitro by methotrexate-loaded liposomes

297. Manda Gina, Carolina Constantin, Ionela Neagoe, Daniela Baconi, Cristina Hudita, Monica Neagu - Immune disturbances in heroin addicts

298. Manda Gina, Monica Neagu, Carolina Constantin, Ionela Neagoe, Daniela Marin, Ionelia Taranu - Immunotoxicology of mycotoxins produced by Fusarium fungi – Low concentrations of deoxynivalenol interfere with nucleotide metabolism

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311. Tanaseanu C Tanaseanu S Moldoveanu E Dumitrascu A, Popescu M, Tamsulea I - Risk factors for endothelial dysfunction in patients with systemic lupus erythematosus

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314. Leabu M, Cruceru L, Popa V, Curaj A, Popescu A, Radu E, Popescu LM - Cell sensitivity to apoptosis is modulated by integrins
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319. Arghir Aurora, Georgeta Cardos, Nicoleta Berbec, Agripina Lungeanu - Genomic instability revealed by molecular cytogenetic investigation – clonal evolution in chronic myeloid leukemia
320. Arsene D, Ardeleanu C, Terzea D, Vasilescu F, Ceausu M, Muntean V, Anghel A, Balan A, Tuță S, Popa C. - Immunophenotype heterogeneity in brain microvessels. Possible involvement in stroke pathology and therapy.
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323. Butur G, Neagu M, Teletin D, Tanasa S, Arsene D, Ardeleanu C. - Internal quality control in immunohistochemistry.
324. Cardos Georgeta, Aurora Arghir, M.E. Hinescu, Agripina Lungeanu - Molecular methods as accomplishment of cytogenetic approaches in chronic myeloproliferative disorders
325. Cercel Adrian Streinu, Sergiu Costoiu, Monica Marza, Angela Petrescu, Maria Marza, Maria Waller, Nicoleta Branisteanu - Associated Mathematical Functions to Medical Algorithms Dedicated to Pathology
326. Dragomir C.T., Radu Voiosu, Alessandro Zambelli, Marius Panos - Modern Methods of Investigation in Digestive Pathology”
327. Gherghiceanu M, Penescu M, Ismail G, Voiculescu M, Dumitrache S, Mandache E. - Complement C3 and associated hyaline vascular deposits in IgA nephropathy.
328. Lungeanu Agripina, Aurora Arghir, Sönke Arps, Georgeta Cardos - Chromosome Y structural abnormalities in two cases with ambiguous genitalia and Turner syndrome stigmata
329. Manda Gina, Carolina Constantin, Ionela Neagoe, Eugen Radu, Monica Neagu - Novel nucleoside analogues – effects on normal neoplastic immune cells
330. Manda Gina, Monica Neagu, Carolina Constantin, Ionela Neagoe, Daniela Baconi, Cristina Hudita - The immune status in drug-addiction
331. Mandache E, Penescu M, Gherghiceanu M, Ismail G. - Cellular components of extracapillary proliferation in crescentic glomerulonephritis
332. Neagu Monica, C. Constantin, G. Manda, I. Neagoe, L. Albuiescu, I. Margaritescu, D. Chirita, D. Martin - In search for metastatic melanoma biomarkers

333. Popa C, Tuță S, Ceaușu M, Ardeleanu C, Terzea D, Vasilescu F, Iosif C, Muntean V, Anghel A, Balan A, Arsene D, Neagu M. - Apoptosis and neurodegeneration. What is the real contribution of programmed cell death to memory decline?
334. Raducan E., Albulescu L., Codorean E., Albulescu R., Popescu D., Tanase M., Dima S.O., Tanase C. - Angiogenic serum markers evaluation in pancreatic tumors
335. Tacu C, Mandache E, Gherghiceanu M. - Polyomavirus nephropathy.
336. Tanase C., E. Raducan, I.D. Popescu, L. Albulescu, E. Codorean, M.I. Nicolescu, M.L. Cruceru, A.C.Popa, S.O. Dima, M. Leabu, L.M. Popescu, M.E. Hinescu, I. Popescu - Biomarkers in cancer. Caveolin-1 expression as a possible biomarker in pancreatic cancer diagnosis.
337. Tanase Cristiana, Lucian Albulescu - X Map Array Technology
338. Ursaciuc C. - Immunoregulation And Immunomodulation – From Theory To Therapy
339. Voiculescu M, Rusu E, Ionescu C, Micu D, Mandache E, Gherghiceanu M, Ismail G. - Focal segmental glomerular sclerosis in adults: presentation, course, and response to treatment
340. Voiculescu M, Zilisteanu D, Ismail G, Ditoiu A.V, Mandache E. - Prognostic Significance of the Histological Data in Patients with Goodpasture Syndrome – Experience of the Fundeni Center of Internal Medicine and Nephrology, Bucharest.

Bio-Rad Proteomics Roadshow 2007, Bucuresti, 2007

341. Neagu Monica, Gina Manda, Carolina Constantin, Ionela Neagoe, G. Savi, Rodica Ion - Photodynamic therapy – associated immune response in melanoma animal model

EORTC-NCI-ASCO annual meeting on „Molecular markers in cancer”.15-17 Nov 2007,Brussels, Belgium.

342. Vrabie Camelia Doina, Mihai Ceausu, Valeria Tica, Angela Petrescu, Maria Waller, Ion Dina, Marieta Costache, Elena Ionica - Extensive utility of immunohistochemistry in colorectal cancer; importance in targeted therapy

ANEXA 5.3

MODELE FIZICE, MODELE EXPERIMENTALE, MODELE FUNCTIONALE, METODOLOGII

METODOLOGII AVANSATE

- 1. Identificarea ARN mesager pentru albumina prin ISH- tehnica utilizata in cadrul proiectului nucleu -**
"Evaluarea capacitatii de sinteza a albuminei in celula hepatica; studiul imunohistochimic si molecular in leziunile inflamatorii cronice si tumorale ale ficatului"
Comunicata in: "In situ hybridization for albumin mRNA in hepatocellular carcinoma", 1- 3 iunie 2006.
- 2. Hibridizarea in situ pentru ARNm albuminic in carcinomul hepatocelular.**
Comunicata la AI 36-lea Simpozion de Morfologie Normala si Patologica, Sesiunea Anuala a I.N.C.D."Victor Babes", 26-28 oct 2005, Bucuresti
- 3. Identificarea genei Her 2 neu in cancerul de san- tehnica utilizata in cadrul proiectului VIASAN**
251/2005 - Evaluarea amplificarii si supraexpresiei genice (Her-2 neu, TOP2A) in stabilirea terapiei si monitorizarea evolutiei carcinomului mamar avansat. Corelatii cu factori predictivi si de prognostic"-
2005, CEEEX 42/2005 – " Noi tinte celulare si moleculare in terapia cu oriectare spre pacienbt. O abordare genomica si proteomica"

4. Amplificarea genei HER2/neu si supra-expresia proteinei sale in cursul carcino-genezei unor tumori epiteliale : corelatii cu receptori hormonal si factori de agresivitate biologica. Studiu molecular si imunohistochimic. GRANT Academia Romana- 2003

5. Evaluarea statusului HER2 NEU in cancerul de san-

Comunicata in: VICTOR BABES - AL - XXXIV-LEA Simpozion National de Morfologie normala si patologica

6. Detectarea genei APP prin tehnici de biologie moleculara (FISH)

Realizata in cadrul proiectului in VIASAN 424/2004 „Implicarea proteinei Abeta în procesele neurodegenerative – studiu prospectiv”

7. Identificarea celulelor apoptotice prin metoda Tunel

utilizata in cadrul proiectului in CEEX 29/2005 “Studiul molecular si genetic al compartimentului neurovascular si al unor factori de mediu posibil implicatii in procesul de imbatranire a creierului”

8. Identificarea genei EGFR prin FISH

valorificata in cadrul proiectului CEEX 137/2006 “Alterarile genetice si instabilitatea microsatelitelor in monitorizarea cancerelor colorectale”

9. Identificare genei Top 2 A prin ISH in carcinoamele mamare,

metoda valorificata in cadrul proiectului VIASAN “Evaluarea amplificarii si supraexpresiei genice (Her-2 neu, TOP2A) in stabilirea terapiei si monitorizarea evolutiei carcinomului mamar avansat. Corelatii cu factori predictivi si de prognostic”

Comunicata in lucrarile:

- Expression of topoisomerase II α in breast cancer ;
- Correlation with CerbB2 and other predictive factors

10. Identificarea ADN-ului viral a EBV(virusul Epstein Barr), prin FISH ,

tehnica valorificata pentru realizarea unor lucrari. “LYMPHNODAL EBV EXPRESSION IN NASOPHARYNGEAL CARCINOMA”

11. Identificarea *Mycobacterium tuberculosis* si a micobacteriilor atipice (MOTT)

prin PCR - Utilizata in proiectele VIASAN 138, si CEEX 35 - Metoda imunoenzimatica de diagnostic serologic multiplu al infectiilor cu mycobacterii netuberculoase la bolnavii imunocompetenti si imunosupresati / ELISA neTB/ MOTT ELISA

12. Identificarea mutatiilor la nivelul codonului 12 al genei *K-ras* implicate in cancerele colorectale prin PCR-RFLP (PCR- Restriction fragment length polymorphism)

13. Identificarea osteoprotegerinei in bolile reumatice inflamatorii prin tehnica RT-PCR (Reverse Transcription PCR)

14. Identificarea polimorfismelor genei *apoE* prin PCR-RFLP 42

15. LOH (Loss Of Heterozygosity) genei *pten* –implicatii in patologia cancerelor vezicale

16. Identificarea mutatiilor la nivelul genei *c-kit* 42

17. Identificarea prezentei virusului HPV prin PCR - Implicatii oncogenice ale polimorfismului genomic al HPV in infectiile persistente ale colului uterin la femeia tanara; studiu prospectiv imunohistochimic si molecular pe trial clinic

18. Metodologie de testare a activitatii cromogenilor de tip ftalocianin-chinacridonic –

elaborata in cadrul proiectului CEEX 21/2006

19. Metodologie de monitorizare a grupurilor tinta prin indicatori biologici specifici de hepato si imunotoxicitate – Elaborata si utilizata in cadrul proiectului CEEX 139 / 2006

20. Metodologia PFGE (electroforeza in camp pulsatoriu) aplicata in premiera cu aparatul CHEF III (contour-clamped hemegenous electric field) pe fragmente de ADN de dimensiuni mari, crescand limita de separare in agaroză de la 30-50Kb pana la 10Mb.

21. Metodologii de evaluare a toxicitatii (Pb, CO) ca noxe profesionale si din mediu

Utilizate in cadrul proiectului CEEX 138 / 2006

22. Metodologie de monitorizare a grupurilor tinta prin indicatori biologici specifici de hepato si imunotoxicitate

Utilizate in cadrul proiectului CEEX 139 / 2006

MODELE EXPERIMENTALE

1. **Program Viasan 228/2003** - Sisteme experimentale complexe de testare a compusilor cu actiune fotosensibilizanta in vivo si in vitro
2. **Program Viasan 233/2004**
 - a) Model experimental de evidentiare a micronucleilor in maduva femurala la mamifere
 - b) Model de aplicare in vitro a procedurilor CBMN "cytokinesis-block micronucleus" pe sange periferic uman
3. **Program VIASAN 246/2003** - Elaborare model experimental de corelare angiogeneza-potential de proliferare in cadrul loturilor de tumori hipofizare
4. **Program Viasan 252/ 2003** - Model toxicologic de monitorizare expunere la carbamati
5. **Program Viasan 256/2003** - Semnificatia diagnostică a testelor de imunitate celulară la pacienți cu tumori vezicale superficiale
6. **Program Viasan 275/2003**) Evaluarea limfocitelor T reglatoare CD4+CD25+ și a receptorului pentru interleukină-2 în tumorile maligne ale tubului digestiv
7. **Program VIASAN 285/2003**
 - a). Modele experimentale pentru evaluarea *in vivo* a efectelor administrării melatoninei asupra animalelor purtatoare de tumori (melanom B16) aflate in stadiu incipient de evolutie. (4 modele experimentale)
 - b). Modele experimentale pentru evaluarea *in vivo* a efectelor administrării melatoninei asupra animalelor purtatoare de tumori (melanoma B16) aflate in stadiu avansat de evolutie. (4 modele experimentale)
 - c). Modele experimentale pentru evaluarea *in vivo* a efectului asocierii melatoninei la tratamentul cu Doxorubicin asupra dezvoltării tumorilor aflate in stadiu avansat de evolutie. (4 modele experimentale)

2004

8. **Program Viasan 299/2004:**
 - a) Modele experimentale pentru evaluarea efectelor administrării cronice a melatoninei la trei luni de la initierea tratamentului. (4 modele experimentale).
 - b) Modele experimentale pentru evaluarea efectului administrării cronice a melatoninei la șapte – noua luni de la inițierea tratamentului (4 modele experimentale).
 - c) Modele experimentale pentru evaluarea efectului administrării cronice a melatoninei la 12 – 15 luni de la inițierea tratamentului. (4 modele experimentale)
 - d) Modele experimentale pentru evaluarea efectelor administrării cronice a melatoninei la 20 luni de la inițierea tratamentului (4 modele experimentale).
9. **Program Viasan 341/2004** - Sistem experimental de evaluare a markerilor asociați îmbătrânirii in vivo și a patologiei vasculare
10. **Program Viasan 345/2004** - Model experimental de protecție împotriva alterărilor nespecifice induse la nivel hepatic de tratamentul cu citostatice, utilizând flavonoide
11. **Program Viasan 355/2004**) - Imunitatea celulară și profilul secreției de citokine specifice limfocitelor Th1 și Th2 în boli autoimune sistemice și de organ; corelații cu răspunsul imun umoral
12. **Program Viasan 378/2004** - Model experimental de protecție împotriva intoxicațiilor cu triclor-etilena
13. **Program Viasan 401/2004**) - Sistem de metode de imunologie celulară cu aplicații în toxicologie și farmacologie
14. **Program Viasan 413/2004** - Model experimental de analiză simultană a expresiei caveolinei – 1 și a markerilor de angiogeneza
15. **Program Nucleu 03-21.02.06** - Model experimental de carcinogeneza experimentală ± agenți antioxidanți cu izolare de hepatocite din ficatul de sobolan Wistar, pentru electroforeza ADN hepatocitar
16. **Program Nucleu 03-21.02.09** - Model experimental pentru studiul răspunsului imun local în ficatul lezional din hepatita autoimună experimentală
17. **Program Nucleu 03-21.02.10**
 - a) Model experimental de determinare prin metode de spectrofotometrie specifice a modificărilor produse de radiația ionizantă asupra cromatinei normale și tumorale
 - b) Model experimental de determinare prin metode de spectrofotometrie specifice a modificărilor produse de radiația ionizantă asupra cromatinei normale și tumorale aflate în prezența unui radioprotector
18. **Program Nucleu 03-21.03.11** – Model experimental pentru studiul markerilor răspunsului imun umoral și celular în hepatitele autoimune

19. **Program BIOTECH 370/2003 –**

- a). Modele experimentale *in vivo* care sa permita studierea efectelor modulatorale ale unor bioproduse; punerea in evidenta a unor noi valente terapeutice ale Silimarinei. (4 modele experimentale);
- b). Realizarea unor modele experimentale *in vivo* pentru evaluarea activitatii antitumorale a silimarinei administrata din diferite momente ale evolutiei melanomului B16. (6 modele experimentale)
- c). Realizarea unor modele experimentale *in vivo* pentru evaluarea activitatii antitumorale a silimarinei administrata din diferite momente ale evolutiei carcinomului Lewis. (6 modele experimentale)
- d). Modele experimentale pentru evaluarea efectelor induse *in vivo* de asocierea Silimarinei cu Doxorubicinul asupra animalelor purtatoare de melanom B₁₆. (6 modele experimentale)
- e). Modele experimentale pentru evaluarea efectelor induse *in vivo* de asocierea Silimarinei cu Cisplatinul asupra animalelor purtatoare de carcinom Lewis. (6 modele experimentale)

20. **Program BIOTECH 4743/2003:**

- a) Model experimental *in vivo* de testare a protectiei conferite de produși biologici activi în conditii de expunere la toxice
- b) Model experimental toxic / hepatoprotector de testare a actiunii protectoare *in vitro*

21. **GRANT ACADEMIA ROMÂNĂ 132/ 2003**

- a) - Model experimental de HTA indus cu DOCA și dietă hipersodată ;
- b) - Model experimental de HTA indus prin administrarea de 3,3',5 Triiodotironină

22. **Program CALIST 1087/ 2004** - Sistem de metode de imunologie celulara cu aplicatii in toxicologie si farmacologie

2005

23. **Program VIASAN 381/2005** - Model experimental de implantare *in vivo* si testarea osteointegrarii.

24. **Program CEEX 6/2005** - Determinări sanguine imunologice si genotoxice in vederea stabilirii valorilor statistic normale la populatia adultă din România

25. **Program CEEX nr. 66/2005** - Modele experimental pentru evaluarea efectelor metodei fotofizice de terapie posttraumatica (2 modele experimentale).

26. **Program CEEX nr. 18/2005 :**

a) Modele experimentale pentru evaluarea efectelor terapiei fotodinamice asupra evolutiei melanomului B16. (3 modele experimentale).

b) Sisteme experimentale complexe de testare a compusilor cu actiune fotosensibilizanta *in vivo* si *in vitro*

27. **Program CEEX 42/2005:**

a) - Model experimental de implant osos cu materiale nanostructurate

b) - Model experimental de implant osos cu materiale nanostructurate

28. **Program CEEX nr. 51/2005** Modele experimentale de inducere a hepatocarcinomului la animale de laborator (sobolani) (2 modele experimentale)

29. **Program CEEX 66 / 2005:**

a) Model experimental de iradiere laser a culturilor celulare

b) Modele experimental pentru evaluarea efectelor metodei fotofizice de terapie posttraumatica la animale de experiment (2 modele experimentale).

30. **Program CEEX 73/2005 –**

a) Modele de interferenta a fitoterapicelor cu terapii conventionale

b) Modele *in vitro*, modele *in vivo*, modele sintetice

c) Modele *in vivo* si modele *ex vivo*

d) Modele experimentale de metabolizare *in vitro* – model pe hepatocite

e) Model experimental *in vitro* – metabolizare in linie celulara

31. **Program Nucleu 03-21.02.10**

a) Model experimental de determinare prin metode de spectrofluorimetrie specifice a modificarilor produse de radiatia ionizanta asupra cromatinei normale si tumorale in prezenta unui

b) Model experimental de determinare prin metode de spectrofluorimetrie specifice a modificarilor produse de radiatia ionizanta asupra proteinelor nucleare din cromatina normala si tumorala 2005

2006

32. **Program CEEEX 79 / 2006** Model experimental de inducere a glomerulonefritei cronice (1 model experimental)
33. **Program CEEEX 107 / 2006** - Sisteme experimentale complexe de testare a compusilor cu actiune fotosensibilizanta in vivo si in vitro
34. **Program CEEEX 108 / 2006** - Sistem experimental de evaluare a markerilor asociati imbatranirii in vivo si a patologiei vasculare
35. **Program CEEEX 114 / 2006** - Modele experimentale pentru evaluarea efectelor unor produse antiinflamatoare in artrita reumatoida (2 modele experimentale)
36. **Program CEEEX 273 / 2006** - Modele experimentale de evaluare a imunotoxicitatii prin teste in vitro: dezvoltare tehnologica si elaborare proceduri generale, proceduri si specifice
37. **Program CEEEX 603 / 2006** - Model experimental de determinari tisulare de metale grele pe material biologic arhivat prin spectrometrie de masa ICP-MS
38. **Program INFRAS 140 / 2006** - Model experimental de determinare in vitro prin autoradiografie a nivelului de modificare al biosintezei neprogramate ADN

2007

39. **Proiect CNCISIS / 2007** - Sisteme experimentale complexe de testare a compusilor cu actiune fotosensibilizanta in vivo si in vitro

Anexa 6.3

Premii internationale obtinute printr-un proces de selectie

1. Ionela Daniela Popescu, I. Nicolae, C.Tanase, E. Raducan, E. Codorean, Lucrarea "Enzyme immobilized as biosensor in monitoring of the carbamate pesticides" - **Premiul II - Sixth International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe and the Commonwealth of Independent States, Prague 2003**
2. Mihai Ceausu: "The role of immunohistochemistry in Krukenberg tumors diagnosis" (C. Vizitiu, M. Ceaușu, A. Murariu, A. Vișan, A. Georgescu, D.M. Hurduc, A.C. Bobocea, A. Cromneanu, C. Ardeleanu) "**Second Prize**" - "The 10th International Congress for Medical Students and Young Doctors, MEDIS 2006", **Timișoara**
3. Mihai Ceausu - "**Best Poster Prize**" of **International Academy of Pathology, Hungarian Division**, for "In situ hybridization for albumin mRNA in hepatocellular carcinoma", at the 1st Central European Regional Meeting, Liver & Pancreas Pathology, in Eger, Hungary, 1-3 June, 2006
4. « Caveole miometriale-implicatii in mecanismele contractiei uterine », **Premiul II pentru Proiect de Cercetare Fundamentala acordat echipei de realizare a proiectului** acordat de ANCS, Min. Ed. & Cerc.

Anexa 6.4

Premii naționale ale Academiei Române

1. Dr. Dorel Arsene - Premiul "Gheorghe Marinescu" – 2003

Anexa ECHIPAMENTE PERFORMANTE

2003

Nr. Crt	Echipament	Valoare	Sursa de finantare
1	PR 3100 Reader Cititor Automat	26.418,60	Viasan 193
2	Sistem Digital Analiza Imagine	18.488,78	Viasan 184
3	Incubator Termoforma 311	18.234,70	Viasan 189
4	Balanta 100gr-1g	4.049,51	Viasan 189
5	Centrifuga Centra CL3	13.000,65	Viasan 189
6	Pipeta automata mecanica 20-200µl	644,36	Viasan 140
7	Pipeta automata mecanica 200-1000µl	644,36	Viasan 140
8	Techware Adjustable	3.899,75	Viasan 457
9	Pipette AKKU	1.570,93	Viasan 457
10	Hemacutometru	810,69	Viasan 457
11	Hemacutometru	810,69	Viasan 457
12	Finnpipette techpette	755,70	Viasan 457
13	PH Metru Orion Extra	6.057,32	Viasan 35
14	Balanta Ohaus	1.776,99	Viasan 109
15	Cuptor microunde Samsung	439,90	Viasan 223
16	PH Metru Tip PH1100	2.599,28	Viasan 184
17	Microcentrifuga 220 C2861	1.494,80	Viasan 189
		Total 2003 - 101.697,01	

2004

Nr. Crt	Echipament	Valoare	Sursa de finantare
1	Sistem calorimetric	2.104,32	Biotech 378
2	Hota flux laminar	24.256,72	
3	Balanta 1500 gr	6.539,00	Biotech 370
4	Incubator CO2	14.000,00	Viasan266 / Viasan252
5	pH metru Hanna 210	2.648,10	Viasan 140
6	pH metru + adaptor	2.530,06	Viasan 193
7	Balanta tehnica	3.377,16	Viasan 246
8	Microscop Hematologie	27.129,30	
9	Microscop Binocular	15.313,36	
10	Hota cu.Flux laminar x 2 bux	121.638,81	
11	Microscop cito.... X 6 buc	91.879,82	
12	Microscop Inversat x 2 buc	216.119,69	Viasan
13	Microscop Cerc. Clinica	345.885,09	Viasan 466

14	Regulator pentru Incubator	1.785,00	Viasan 189
Total 2004 - 875.206,42			

2005

Nr. Crt	Echipament	Valoare	Sursa de finantare
1	Separator Celule	33.715,49	MS PV 42220/27,12,2005
2	Analizor Biochimie Roche-Hitachi	48.914,75	MS PV 42220/27,12,2005
3	Incubator CO ₂ -81L Sanyo (2 buc)	102.848,93	MS PV 42220/27,12,2005
4	Analizor Biochimie Mediu	297.742,11	MS PV 42220/27,12,2005
5	Analizor Biochimie Mediu	13.805,90	MS PV 42220/27,12,2005
6	Termocicler Universal 2400 PCR	376.054,60	MS PV 42220/27,12,2005
7	Termocicler Universal 2400 PCR	376.054,60	MS PV 42220/27,12,2005
8	Gaz-Cromatograf	399.379,37	MS PV 42220/27,12,2005
9	7 Sisteme Dezinfectie Medister 160	400.970,37	MS PV 42220/27,12,2005
10	Frgider Siemens KS29 V602	999,90	Microproductie
11	Incubator Incucell 55x 2buc x 4793.77	9.587,54	
12	Centrifuga masa racire + rotor ang	23.192,55	
13	Balanta Navigator	3.127,28	Viasan 251
14	Experion System 220 - 240 V	59.313,77	
15	Analizor ABS Micros 60	42.679,41	
16	Coagulator model Coatron M1	4.687,11	CEEX 6
17	Microplate ABS Reader Apollo 8	19.943,60	
18	Spalator automat pentru Microplaci	10.056,40	
19	Accu-jet Pipete controler	1.373,86	CEEX 62
20	Agitator in plan vertical 367 x 345	4.007,31	CEEX 62
21	Reax top Vortex	1.136,69	CEEX 62
22	Centrifuge minispin + Rotor Black linie	4.807,39	CEEX 62
23	Congelator piochetti	3.689,00	Viasan 242
24	Etuva 118 L Stabilitherm	8.984,50	
25	Vortex Wizard	1.005,24	Viasan 242
26	pH - metru inolob	2.489,37	Viasan 242
27	Statie lucru cu hota	40.698,00	Infras 556
28	Micropipeta	349,50	Viasan 466
29	Scanner 1280x1024	998,00	Viasan 254 / Calist 4423
30	Centrifuga universal 32 cu rotor	10.792,71	Viasan 242
31	Spectrofotometru masa Ulhamas 700	644.073,35	MS pr. 50199/21,25,2005
32	Incubator shaker laby systems	20.446,79	MS pr. 50199/21,25,2005
33	Transluminator TFM 40	14.463,96	MS pr. 50199/21,25,2005
34	Cross linker CL - 1000 - UVP	12.031,60	MS pr. 50199/21,25,2005
35	Concentrator vacuum DNA	39.133,13	MS pr. 50199/21,25,2005
36	Sistem numarare LSC	233.955,07	MS pr. 50199/21,25,2005
37	Microscop clinic E600 Nikon	332.419,22	MS pr. 50199/21,25,2005
38	Microscop clinic E600 Nikon	332.419,22	MS pr. 50199/21,25,2005
39	Microscop binocular citomorfologie E200	15.313,30	MS pr. 50199/21,25,2005
40	Microscop binocular citomorfologie E200	15.313,30	MS pr. 50199/21,25,2005

41	Microscop binocular citomorfologie E200	15.313,30	MS pr. 50199/21,25,2005
42	Microscop binocular citomorfologie E200	15.313,30	MS pr. 50199/21,25,2005
43	Microscop binocular citomorfologie E200	15.313,30	MS pr. 50199/21,25,2005
44	Microscop binocular siliciu E800	517.515,24	MS pr. 50199/21,25,2005
45	Microscop binocular analog. Patolog.E800	563.417,99	MS pr. 50199/21,25,2005
46	Former Gradient Tir 395 Biologic	6.235,29	MS pr. 50199/21,25,2005
47	Microscop invetat TE 300 (2 buc)	1.130.704,27	MS pr. 50199/21,25,2005
48	Stereo microscop cu accesorii 1500 - Nikon	262.011,55	MS pr. 50199/21,25,2005
49	Sistem foto analiza ac. Imunologic Nikon	69.451,28	MS pr. 50199/21,25,2005
50	Microscop con focal cu 3 laseri Nikon - PCM 2000	1.165.358,71	MS pr. 50199/21,25,2005
Total 2005 - 7.723.608,43			

2006

Nr. Crt	Echipament	Valoare	Sursa de finantare
1	Membrane vacuum pump	2130,64	CEEX 62
2	Microscop Nikon E200 (2 buc)	18.091	
3	Sistem electroforeza	5508,06	Viasan 413
4	Balanta precizie Quas AV 812 cm	3070,74	CEEX 59
5	Centrifuga cu racire BR 41	19731,39	Biotech 4743-19731,39
6	Etuva stabilither EU-1	5268,13	Viasan 376
7	Unitate Centrala Amd Athlon 3000+	1463,7	Viasan 341
8	Electrophoresis System	5698,06	CEEX 18
9	Miniroator 65100-20	5105,1	CEEX 350
10	Sonda Masurare contaminare Fhz 7325	8041,46	CEEX 36
11	Pipeta digitala 8 camere	2142	CEEX 75
12	Microscop Zeiss Primo star	7355,39	CEEX 137
13	EMS UV/Cryo chamber 220V	12753,23	Viasan 350
14	MP3 Cell lowell + accesorii	3191,5	CEEX 59
15	Power Pac universal Power supply	10293,5	CEEX 59
16	Agitator Vortex model wizard	818,46	CEEX 59
17	pH-metru inolab P4730	4131,14	CEEX 62 / CEEX 66
18	Centrifuga cu racire sigma 2-16k	20039,94	CEEX 59
19	Sisteme sterilizare UV 254 mm	10054,79	CEEX 140
20	Hota model LS90	13607,06	CEEX 140
21	Centrala termica immergas - victrix 50	17387,92	CEEX 140
22	Balanta analitica explorer EP 214 cm	7439,43	CEEX 62 / CEEX 66
23	Camera video digital racita pt microscop-E800	33060	CEEX 111
24	Hota flux laminar TWO 30	11568,97	CEEX 18
25	Centrifuga de laborator	6282	CEEX 18
26	Hota flux laminar vertical "Faster"	12642,69	CEEX 6
27	UPS 800 W	291,55	Viasan 403
28	Statie micrometru	805,31	
Total 2006 - 247973,2			

2007

Nr. Crt	Echipament	Valoare	Sursa de finantare
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1	Analizator automat Luminex 200	163.167,61	CEEX 273/2006
2	Microscop Nikon E200	9.045,50	CEEX 9091
3	Microscop Nikon E200	9.045,50	CEEX 137
4	Quautility one SW 1709600	16.700,00	Biotech 73/2006
5	Geldoc XR System PC 1708170+Acces	49.242,20	CEEX 27/2005
6	Adaptor Mecano-Optic pentru montarea camerei video-digitale	3.151,50	CEEX 111/2006
7	Mac Book PRO 15"	8.294,00	CEEX 64/2006
8	Digestor cu Microunde tip CEM MARS5	67.773,80	CEEX 112/2006
9	Echipament monitorizare semne vitale	34.496,18	CEEX 140/2006
10	Sistem complet cantarire animale	11.794,44	CEEX 140/2006
11	pH meru Inolab 740P	5.616,80	CEEX 140/2006
12	Microscop Trinocular Inversat	15.883,76	CEEX 140/2006
13	Balanta analitica AV 264	9.181,58	CEEX 140/2006
14	Autoclaver cu uscare AE 75 DRY	24.646,11	CEEX 140/2006
15	Incubator CO2 Sanyo Model MCO-5AC	17.638,92	CEEX 140/2006
16	Balanta Model WPS 210/C2	4.474,40	CEEX 73/2006
17	Balanta analitica Model XA 60/220	10.003,14	CEEX 73/2006
18	Automat real time PCR	93.459,74	CEEX 29/2005
19	Unitate electroforeza orizontala HU 10W	5.850,04	CEEX 111/2006
20	Nisa chimica aspiranta LabTech L7H 120	11.720,55	CEEX 111/2006
21	Nisa chimica aspiranta	11.721,50	CEEX 6/2005
Total 2007 - 582.907,27			