

LISTA DE LUCRARI ISI CSI DR. SIMONA DIMA

A. TEZA DE DOCTORAT

Titlul tezei:

Modele experimentale in transplantul pancreatic integral si de celule insulare / Experimental models in whole pancreas and islet cell transplantation

Data sustinerii tezei de doctorat: 25.06.2006

Institutia organizatoare de doctorat: Universitatea "Ovidius" Constanta

B. CARTI PUBLICATE

B1) Capitle in tratat in edituri internationale

- **Simona Dima**, Cristiana Tanase, Radu Albuiescu, Anca Botezatu and Irinel Popescu. Chapter: Novel biomarkers in pancreatic cancer Book: Pancreatic. Cancer, Edited by Sanjay K. Srivastava, ISBN 978-953-51-0394-3, InTech, 2012
- **Simona Dima**, Dana Cucu, Nicolae Bacalbasa and Irinel Popescu, Chapter 11: Chronic Pancreatitis as an Inductor of Pancreatic Cancer — Correlations With Inflammatory Pathway, DOI:10.5772/58489 in Book Acute and Chronic Pancreatitis Edited by Luis Rodrigo, ISBN 978-953-51-2026-1, 232 pages, InTech, 2015
- **Simona Dima**, Dana Cucu, Nicolae Bacalbasa, Valeria Tica, Irinel Popescu. Cancer stem cells in pancreatic and hepatocellular carcinoma: similarities and differences, Chapter 7- in Tanase Cristiana and Monica Neagu (Editors), e-book "Stem cells between regeneration and tumorigenesis", Bentham Science Publishers, ISBN 978-1-68108-332-2, pg 187-201, 2016

B2) Capitle in tratat in edituri nationale

- Irinel Popescu, **Simona Dima**, Traian Dumitrascu, Cezar Stroescu, Leonard David, Cancerul de pancreas- Tratatul National de Chirurgie editia a-II-a sub redactia Irinel Popescu, Constantin Ciuce, Editura Academiei Romane 2015
- Florin Botea, Radu Zamfir, **Simona Dima**, Madalina Grigoroiu, Speranța Iacob, Radu Deac, Mihai Lucan, Irinel Popescu. Transplantul de organe- Tratatul National de Chirurgie editia a-II-a sub redactia Irinel Popescu, Constantin Ciuce, Editura Academiei Romane 2015.

- Tomescu D, David C, **Dima S**” Tehnici de epurare extrahepatică utilizate în insuficiența hepatică acută” În Tomescu D. (coord.)” Insuficiența hepatică acută”. Ed. Academiei Române, București 2016; ISBN 978-973-27-2616-7.
- **Simona Dima**, Bogdan Dorobantu. Transplantul de insule pancreatice. Tratat de Chirurgie - Chirurgie Generală IX, sub redactia: Irinel Popescu, ISBN: 978-973-27-1579-6; 978-973-27-1706-6; 2009. ISBN 978-953-51-2026-1, 232 pages
- Emil Matei, Doina Hrehoret, Vlad Brasoveanu, Mirela Boros, **Simona Dima**, Bogdan Dorobantu, Mihnea Ionescu, Irinel Popescu. Transplantul hepatic domino. (sub redactia: Irinel Popescu).Transplantul Hepatic, Editura Academiei Romane 2011. ISBN:978-973-27-2054-7, 269-275.
- Manescu N, **Simona Dima**. Urgente Chirurgicale Abdominale. Capitol XVII-Abdomenul fals chirurgical. Medical Publishing House,1999.ISBN 973-39-0372-8.
- Sarbu V, **Simona Dima**, Botnariuc V. Urgente Chirurgicale Abdominale.Chapter XVIII."Complicatii chirurgicale dupa tehnici laparoscopice si endoscopice". Medical Publishing House, 1999. ISBN 973-39-0372-8.

C. ARTICOLE IN EXTENSO PUBLICATE ÎN REVISTE COTATE ISI THOMSON REUTERS (cu factor impact)

C1. Articole in extenso in reviste cotate ISI Thomson Reuters (articole in reviste cu factor de impact) în calitate de autor principal

1. **Dima SO**, Tanase C, Albulescu R, Herlea V, Chivu-Economescu M, Purnichescu-Purtan R, Dumitrascu T, Duda DG and Popescu I. An exploratory study of inflammatory cytokines as prognostic biomarkers in patients with ductal pancreatic adenocarcinoma. *Pancreas* 41: 1001-1007, 2012. *Impact Factor* 2012:2.607. **Times Cited: 21.**
2. Popescu I and **Dima SO**. Domino liver transplantation: how far can we push the paradigm? *Liver Transpl* 18: 22-28, 2012. *Impact Factor* 2012:3.944. **Times Cited: 24.**
3. Bacalbasa N*, Balescu I, **Dima S***, Brasoveanu V, Popescu I. Pancreatic Resection as Part of Cytoreductive Surgery in Advanced-stage and Recurrent Epithelial Ovarian Cancer - A Single-center Experience. *Anticancer Res* 2015; 35: 4125-4129. *Impact Factor* 2015: 1.826.

4. **Dima SO**, Bacalbasa N, Eftimie MA and Popescu I. Pancreatic metastases originating from uterine leiomyosarcoma: a case report. *World J. Surg. Oncol.* 2014; 12: 405. *Impact Factor* 2014: 1.408.
5. Dumitrascu T*, **Dima S***, Brasoveanu V, Stroescu C, Herlea V, Moldovan S, Ionescu M, Popescu I. Impact of a portal/superior mesenteric vein resection during pancreaticoduodenectomy for pancreatic head adenocarcinoma. *Minerva Chir* 2014; 69: 301-313, (*)co-first authors. *Impact Factor* 2014: 0,678.
6. Dumitrascu T, **Dima S**, Stroescu C, Scarlat A, Ionescu M, Popescu I. Clinical value of spleen-preserving distal pancreatectomy: a case-matched analysis with a special emphasis on the postoperative systemic inflammatory response. *J Hepatobiliary Pancreat Sci* 2014; 21: 654-662, (*) co-first authors. *Impact Factor* 2014: 2,994. **Times Cited: 2.**
7. Bacalbasa N*, Balescu I, **Dima S***, Popescu I. Ovarian sarcoma carries a poorer prognosis than ovarian epithelial cancer throughout all FIGO stages: a single-center case-control matched study. *Anticancer Res* 2014; 34: 7303-7308, (*) co-first authors. *Impact Factor* 2014: 1.826. **Times Cited: 2.**
8. Botezatu A*, Bleotu C, Nastase A, Anton G, Bacalbasa N, Duda D, **Dima SO***, Popescu I. Epigenetic Silencing of GNMT Gene in Pancreatic Adenocarcinoma. *Cancer Genomics Proteomics* 2015; 12: 21-30. (*) co - corresponding author, *Impact Factor* 2014: 2.700. **Times Cited: 2.**
9. Nastase A* Ilie V, Florea R, Sorop A, Tica V, Paslaru L, Iacob R, Grigorie R, Herlea V, Bacalbasa N, **Dima S***, Popescu I. Gene expression of hepatocellular carcinoma reveals glypican-3 role as potential biomarker (*authors with equal contributions). *Romanian Biotechnological Letters* 2014; 19: 9657-9666. *Impact Factor* 2014: 0.36.
10. Bubenek S, Nastase A, Niculescu AM, Baila S, Herlea V, Lazar V, Paslaru L, Botezatu A, Tomescu D, Popescu I and **Dima S**. Assessment of gene expression profiles in peripheral occlusive arterial disease. *Can J Cardiol* 28: 712-720, 2012. *Impact Factor* 2012:2.754. **Times Cited:4.**
11. **Dima SO**, Iacob S, Botea F, Matei E, Dorobantu B, Vasile S, Alexandrescu S, Croitoru A, Dumitrascu T, Stroescu C, Herlea V and Popescu I. Multimodal treatment of hepatocellular carcinoma: an eastern European experience. *Hepatogastroenterology* 56: 1696-1703, 2009. *Impact Factor* 2009:0.669. **Times Cited: 5.**

12. Dumitrascu T and **Dima S**. Central pancreatectomy-an alternative for surgical approach of the benign and low-malignant tumors of the pancreatic body in young patients. *Chirurgia (Bucur)* 106: 683-684, 2011. *Impact Factor* 2010:0.560.
13. Tanase CP, Neagu M, Albulescu R, Codorean E and **Dima SO**. Biomarkers in the diagnosis and early detection of pancreatic cancer. *Expert Opin Med Diagn* 3: 533-546, 2009.
14. Dumitrascu T*, **Dima S***, Herlea V, Tomulescu V, Ionescu M, Popescu I. Neuroendocrine tumours of the ampulla of Vater: clinico-pathological features, surgical approach and assessment of prognosis. (equally contributed to this paper) *Langenbecks Arch Surg* 397: 933-943, 2012. *Impact Factor* 2012: 1.572. Times Cited: 11.

C2. Alte articole publicate in extenso in reviste cotate ISI Thomson Reuters- calitate de co-autor (ordine cronologica)

1. Nastase A, Teo JY, Heng HL, Ng CC, Myint SS, Rajasegaran V, Loh JL, Lee SY, Ooi LL, Chung AY, Chow PK, Cheow PC, Wan WK, Azhar R, Khoo A, Xiu SX, Alkaff SM, Cutcutache I, Lim JQ, Ong CK, Herlea V, **Dima S**, Duda DG, Teh BT, Popescu I, Lim TK. Genomic and proteomic characterization of ARID1A chromatin remodeller in ampullary tumors. *Am J Cancer Res*. 2017 Mar 1;7(3):484-502. eCollection 2017. *Impact Factor* 3.425.
2. Overcoming sorafenib evasion in hepatocellular carcinoma using CXCR4-targeted nanoparticles to co-deliver MEK-inhibitors. Chen Y, Liu YC, Sung YC, Ramjiawan RR, Lin TT, Chang CC, Jeng KS, Chang CF, Liu CH, Gao DY, Hsu FF, Duyverman AM, Kitahara S, Huang P, **Dima S**, Popescu I, Flaherty KT, Zhu AX, Bardeesy N, Jain RK, Benes CH, Duda DG. *Sci Rep*. 2017 Mar 9; 7:44123; *Impact factor* 2015: 5.228.
3. Alarmins in chronic noncommunicable diseases: Atherosclerosis, diabetes and cancer. Boteanu R, Suica V, Uyy E, Ivan L, **Dima S**, Popescu I, Simionescu M, Antohe F. *Journal of Proteomics* 2017; 153:21-29. *Impact factor* 2015: 3.867 (ISSN: 1874-3919).
4. First report of cytokine removal using CytoSorb® in severe noninfectious inflammatory syndrome after liver transplantation. Tomescu DR, **Dima SO**, Ungureanu D, Popescu M, Tulbure D, Popescu I. *Int J Artif Organs*. 2016 May; 16;39(3):136-40. *Impact Factor* 2015: 1.005 (ISSN: 0391-3988).

5. Tissue Microbiome Profiling Identifies an Enrichment of Specific Enteric Bacteria in *Opisthorchis viverrini* Associated Cholangiocarcinoma. Chng KR, Chan SH, Ng AH, Li C, Jusakul A, Bertrand D, Wilm A, Choo SP, Tan DM, Lim KH, Soetinko R, Ong CK, Duda DG, **Dima S**, Popescu I, Wongkham C, Feng Z, Yeoh KG, Teh BT, Yongvanit P, Wongkham S, Bhudhisawasdi V, Khuntikeo N, Tan P, Pairojkul C, Ngeow J, Nagarajan N. *EBioMedicine*. 2016 Jun; 8:195-202, *Impact Factor 2015*: 1.37 (ISSN:2352-3964). **Times Cited: 4.**
6. Hepatic resection for liver metastases from cervical cancer is safe and may have survival benefit. Bacalbasa N, Balescu I, **Dima S**, Popescu I. *Anticancer Res*. 2016; 36(6):3023-7. *Impact Factor 2015*: 1.826, (ISSN: 0250-7005).
7. A 3D map of the islet routes throughout the healthy human pancreas. Ionescu-Tirgoviste C, Gagniuc PA, Gubceac E, Mardare L, Popescu I, **Dima S**, Militaru M. *Sci Rep*. 2015 29;5:14634., *Impact Factor 2015*: 5.578, 2 (ISSN: 045-2322). **Times Cited: 9.**
8. Gene-expression profiling in non-small cell lung cancer with invasion of mediastinal lymph nodes for prognosis evaluation. Grigoriu M, Tagett R, Draghici S, **Dima S**, Nastase A, Florea R, Sorop A, Ilie V, Bacalbasa N, Tica V, Laszlo V, Mansuet-Lupo A, Damotte D, Klepetko W, Popescu I, Regnard JF. *Cancer Genomics Proteomics*. 2015 Sep-Oct;12(5):231-42., *Impact Factor: 2.8* (ISSN: 1109-6535). **Times Cited: 1**
9. Tomescu DR, Popescu M, **Dima SO**, Bacalbaşa N, Bubenek-Turconi Ş. Obesity is associated with decreased lung compliance and hypercapnia during robotic assisted surgery. *J Clin Monit Comput*. 2016 Jan 28. *Impact Factor 2015*:1.819.
10. Dumitrascu T, Pineau P, **Dima S**, Stroescu C, Brasoveanu V, Herlea V, Ionescu M and Popescu I. Impact of Hepatitis B Virus on Clinicopathological Features and Outcomes after Resection for Pancreatic Adenocarcinoma. *Anticancer Res* 2015. 35 (9) 5123-5128. *Impact Factor 2015*: 1.826. **Times Cited: 1**
11. Bacalbasa N, **Dima S**, Brasoveanu V, Balescu I, Purnichescu-Purtan R, Popescu I. Liver Resection For Ovarian Cancer Liver Metastases As Part Of Cytoreductive Surgery Is Safe And May Bring Survival Benefit. *World J. Surg. Oncol*. 2015; 13: 235. *Impact Factor 2014*:1.408. **Times Cited: 2.**
12. Brasoveanu V, Anghel C, Barbu I, Pautov M, Ionescu MI, Motthor M, Balescu I, **Dima S**, Bacalbasa N. Pancreatoduodenectomy en bloc with portal and superior mesenteric

artery resection-a case report and literature review. *Anticancer Res* 2015; 35: 1613-1618. *Impact Factor* 2015: 1.826. **Times Cited: 1.**

13. Hematogenous splenic metastases as an independent negative prognosis factor at the moment of primary cytoreduction in advanced stage epithelial ovarian cancer--a single center experience. Bacalbasa N, Balescu I, **Dima S**, Brasoveanu V, Popescu I. *Anticancer Res.* 2015 Oct;35(10):5649-54. *Impact Factor* 2015: 1.826 (ISSN: 0250-7005). **Times Cited: 1.**
14. Bacalbasa N, Balescu I, **Dima S**, Brasoveanu V, Popescu I. Splenectomy as Part of Cytoreductive Surgery in Recurrent Epithelial Ovarian Cancer. *Anticancer Res.* 2015; 35 (9) 5097-5101. *Impact Factor* 2015: 1.826.
15. Gheorghe C, Seicean A, Saftoiu A, Tantau M, Dumitru E, Jinga M, Negreanu L, Mateescu B, Gheorghe L, Ciocirlan M, Cijevschi C, Constantinescu G, **Dima S**, Diculescu M. Romanian guidelines on the diagnosis and treatment of exocrine pancreatic insufficiency. *J Gastrointestin Liver Dis* 2014; 24: 117-123. *Impact Factor* 2014: 2.202. **Times Cited: 5.**
16. Peng H, Ishida M, Li L, Saito A, Kamiya A, Hamilton JP, Fu R, Olaru AV, An F, Popescu I, Iacob R, **Dima S**, Alexandrescu ST, Grigorie R, Nastase A, Berindan-Neagoe I, Tomuleasa C, Graur F, Zaharia F, Torbenson MS, Mezey E, Lu M, Selaru FM. Pseudogene INTS6P1 regulates its cognate gene INTS6 through competitive binding of miR-17-5p in hepatocellular carcinoma. *Oncotarget* 6: 5666-5677, 2015. *Impact Factor* 2014: 6.359. **Times Cited: 16.**
17. Bacalbasa N, Balescu I, **Dima S**, Brasoveanu V, Popescu I. Prognostic factors and survival in patients treated surgically for primary and recurrent uterine leiomyosarcoma: a single center experience. *Anticancer Res* 35: 2229-2234, 2015. *Impact Factor* 2014:1.826.
18. Bacalbaşa N, Balescu I, **Dima S**, Popescu I. Long-term Survivors After Liver Resection for Ovarian Cancer Liver Metastases. *Anticancer Res.* 2015 Dec;35(12):6919-23. *Impact Factor* 2014:1.826.
19. Bacalbasa N, Balescu I, **Dima S**, Brasoveanu V, Popescu I. The Role of Quaternary Cytoreduction in Recurrent Epithelial Ovarian Cancer: A Single-center Experience. *Anticancer Res* 35: 3519-3523, 2015. *Impact Factor* 2014: 1.826.

20. Bacalbasa N, Balescu I, **Dima S**, Herlea V, David L, Brasoveanu V, Popescu I. Initial incomplete surgery modifies prognosis in advanced ovarian cancer regardless of subsequent management. *Anticancer Res* 35: 2315-2320, 2015. *Impact Factor* 2014:1.826. **Times Cited: 3.**
21. Tanase AM, Marchio A, Dumitrascu T, **Dima S**, Herlea V, Oprisan G, Dejean A, Popescu I, Pineau P. Mutation spectrum of hepatocellular carcinoma from eastern-European patients betrays the impact of a complex exposome. *J Expo Sci Environ Epidemiol* 25: 256-263, 2015. *Impact Factor* 2014:3.187. **Times Cited: 4.**
22. Bacalbasa N, **Dima S**, Balescu I, David L, Brasoveanu V, Popescu I. Results of Primary Cytoreductive Surgery in Advanced-stage Epithelial Ovarian Cancer: A Single-center Experience. *Anticancer Res* 35: 4099-4104, 2015. *Impact Factor* 2014:1.826.
23. Bacalbasa N, **Dima SO**, Purtan-Purnichescu R, Herlea V, Popescu I. Role of surgical treatment in breast cancer liver metastases: a single center experience. *Anticancer Res* 34: 5563-5568, 2014. *Impact Factor* 2014:1.826. **Times Cited: 6.**
24. Cucu D, Chiritoiu G, Petrescu S, Babes A, Stanica L, Duda DG, Horii A, **Dima SO**, Popescu I. Characterization of functional transient receptor potential melastatin 8 channels in human pancreatic ductal adenocarcinoma cells. *Pancreas* 43: 795-800, 2014. *Impact Factor* 2014:3.008. **Times Cited: 5.**
25. Mirancea GV, Morosanu AM, Carniciu S, **Dima S**, Bacalbasa N, Popescu I, Ionescu-Tirgoviste C, Mirancea N. Relevant infrastructural alterations in a pancreatic neuroendocrine tumor: an insulinoma case. *Rom J MorpholEmbryol* 55: 659-668, 2014. *Impact Factor* 2014: 0.659. **Times Cited: 3.**
26. Tanase AM, Dumitrascu T, **Dima S**, Grigorie R, Marchio A, Pineau P, Popescu I. Influence of hepatitis viruses on clinicopathological profiles and long-term outcome in patients undergoing surgery for hepatocellular carcinoma. *HepatobiliaryPancreat Dis Int* 2014; 13: 162-172. *Impact Factor* 2014:1.259. **Times Cited: 6.**
27. Chan-On W, Nairismagi ML, Ong CK, Lim WK, **Dima S**, Pairojkul C, Lim KH, McPherson JR, Cutcutache I, Heng HL, Ooi L, Chung A, Chow P, Cheow PC, Lee SY, Choo SP, Tan IB, Duda D, Nastase A, Myint SS, Wong BH, Gan A, Rajasegaran V, Ng CC, Nagarajan S, Jusakul A, Zhang S, Vohra P, Yu W, Huang D, Sithithaworn P, Yongvanit P, Wongkham S, Khuntikeo N, Bhudhisawasdi V, Popescu I, Rozen SG, Tan P, Teh BT. Exome sequencing identifies distinct mutational patterns in liver fluke-

related and non-infection-related bile duct cancers. *Nat Genet* 45: 1474-1478, 2013. *Impact Factor* 2012: 35.209; **Times Cited: 116.**

28. Jiao Y, Pawlik TM, Anders RA, Selaru FM, Streppel MM, Lucas DJ, Niknafs N, Guthrie VB, Maitra A, Argani P, Offerhaus GJ, Roa JC, Roberts LR, Gores GJ, Popescu I, Alexandrescu ST, **Dima S**, Fassan M, Simbolo M, Mafficini A, Capelli P, Lawlor RT, Ruzzenente A, Guglielmi A, Tortora G, de BF, Scarpa A, Jarnagin W, Klimstra D, Karchin R, Velculescu VE, Hruban RH, Vogelstein B, Kinzler KW, Papadopoulos N, Wood LD. Exome sequencing identifies frequent inactivating mutations in BAP1, ARID1A and PBRM1 in intrahepatic cholangiocarcinomas. *Nat Genet* 45: 1470-1473, 2013. *Impact Factor* 2012: 35.209; **Times Cited: 162.**
29. Romanescu D, Gangone E, Boeti MP, Zamfir R, **Dima SO**, Popescu I. Technical aspects involved in the harvesting and preservation of the pancreas used for pancreatic islet allotransplantation. *Chirurgia (Bucur)* 108: 372-380, 2013. *Impact Factor* 2013:0.777. **Times Cited: 2.**
30. Iacob R, Iacob S, Nastase A, Vagu C, Ene AM, Constantinescu A, Anghel D, Banica C, Paslaru L, Coriu D, **Dima S**, Gheorghe C, Ionica E and Gheorghe L. The His1069Gln mutation in the ATP7B gene in Romanian patients with Wilson's disease referred to a tertiary gastroenterology center. *J Gastrointestin Liver Dis* 21:181-185, 2012. *Impact Factor* 2012:1.855. **Times Cited: 6.**
31. Necula LG, Chivu-Economescu M, Stanciulescu EL, Bleotu C, **Dima SO**, Alexiu I, Dumitru A, Constantinescu G, Popescu I and Diaconu CC. IL-6 and IL-11 as markers for tumor aggressiveness and prognosis in gastric adenocarcinoma patients without mutations in Gp130 subunits. *J Gastrointestin Liver Dis* 21: 23-29, 2012; *Impact Factor* 2012:1.855. **Times Cited: 26.**
32. Yamanaka S, Olaru AV, An F, Luvsanjav D, Jin Z, Agarwal R, Tomuleasa C, Popescu I, Alexandrescu S, **Dima S**, Chivu-Economescu M, Montgomery EA, Torbenson M, Meltzer SJ and Selaru FM. MicroRNA-21 inhibits Serpini1, a gene with novel tumour suppressive effects in gastric cancer. *Dig Liver Dis* 44: 589-596, 2012. *Impact Factor* 2012:3.054; **Times Cited: 29.**
33. Stoica-Mustafa E, Pechianu C, Iorgescu A, Hortopan M, **Dima SO**, Tomulescu V, Dumitrascu T, Ungureanu C, Andronesi D, Popescu I and Herlea V. Pathological characteristics and clinical specifications in gastroenteropancreatic neuroendocrine

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35. Tomulescu V, Stanciulea O, **Dima S**, Herlea V, Stoica ME, Dumitrascu T, Pechianu C and Popescu I. Diagnosis and surgical management in gastrointestinal neuroendocrine tumors. *Chirurgia (Bucur)* 106: 151-161, 2011. *Impact Factor* 2010: 0.560. **Times Cited: 2.**
36. Chivu EM, Necula LG, Dragu D, Badea L, **Dima SO**, Tudor S, Nastase A, Popescu I and Diaconu CC. Identification of potential biomarkers for early and advanced gastric adenocarcinoma detection. *Hepato-gastroenterology* 57: 1453-1464, 2010. *Impact Factor* 2010:0.667. **Times Cited: 15.**
37. Jiga LP, Blidisel A, Dindelegan G, Hoinoiu B, Neamtu C, Matusz P, Barac S, Scurtu R, Precup C, Cocu S, Biro A, Jiga J, Heredea R, **Dima S**, Romanescu D, Ionac M and Popescus I. [Accessory renal allotransplantation with internal or external urinary drainage. An experimental model in pig]. *Chirurgia (Bucur)* 105: 485-491, 2010. *Impact Factor* 2010:0.560. **Times Cited: 1**
38. Stroescu C, **Dima S**, Scarlat A, Ivanov B, Bouaru O, Ionescu M, Vasilescu C and Popescu I. Surgical treatment of chronic pancreatitis--a 14 years' experience. *Chirurgia (Bucur)* 105: 21-30, 2010. *Impact Factor* 2010: 0.560. **Times Cited: 1**
39. Dorobantu B, Brasoveanu V, Matei E, **Dima S**, Giacomoni A, Slim A, Lauterio A, Forti D, Popescu I and De CL. Biliary complications after liver transplantation--523 consecutive cases in two centers. *Hepatogastroenterology* 57: 932-938, 2010. *Impact Factor* 2010: 0.677. **Times Cited: 7.**
40. Chivu M, **Dima SO**, Stancu CI, Dobra C, Uscatescu V, Necula LG, Bleotu C, Tanase C, Albulescu R, Ardeleanu C and Popescu I. *In vitro* hepatic differentiation of human bone marrow mesenchymal stem cells under differential exposure to liver-specific factors. *Transl Res* 154: 122-132, 2009. *Impact Factor* 2009:2.986; **Times Cited: 32.**

41. Iacob R, Sirbu-Boeti P, Iacob S, **Dima S**, Gheorghe C, Gheorghe L and Popescu I. Stem cells therapies for gastrointestinal and liver diseases. *Chirurgia (Bucur)* 104: 131-140, 2009. *Impact Factor* 2009:0.560.
42. Lefter LP, **Dima S**, Sunamura M, Furukawa T, Sato Y, Abe M, Chivu M, Popescu I and Horii A. Transcriptional silencing of ETS-1 efficiently suppresses angiogenesis of pancreatic cancer. *Cancer Gene Ther* 16: 137-148, 2009. *Impact Factor* 2009:3.887; **Times Cited:12.**
43. Popescu I, Habib N, **Dima S**, Hancu N, Gheorghe L, Iacob S, Mihaila M, Dorobantu B, Matei E and Botea F. Domino liver transplantation using a graft from a donor with familial hypercholesterolemia: seven-yr follow-up. *Clin Transplant* 23: 565-570, 2009. *Impact Factor* 2009:2.004; **Times Cited: 8.**
44. Stroescu C, Ivanov B, **Dima S**, Scarlat A and Popescu I. Spleen preserving subtotal pancreatectomy for chronic pancreatitis: case report. *Chirurgia (Bucur)* 104: 601-606, 2009. *Impact Factor* 2009:0.560. **Times Cited: 2.**
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47. Badea L, Herlea V, **Dima SO**, Dumitrascu T and Popescu I. Combined gene expression analysis of whole-tissue and microdissected pancreatic ductal adenocarcinoma identifies genes specifically overexpressed in tumor epithelia. *Hepatogastroenterology* 55: 2016-2027, 2008. *Impact Factor* 2008:0.904; **Times Cited:146.**
48. Pistol-Tanase C, Raducan E, **Dima SO**, Albulescu L, Alina I, Marius P, Cruceru LM, Codorean E, Neagu TM and Popescu I. Assessment of soluble angiogenic markers in pancreatic cancer. *Biomark Med* 2: 447-455, 2008. *Impact Factor* 2008: 0.725; **Times Cited: 11.**

A. ARTICOLE ÎN EXTENSO ÎN REVISTE BDI

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F. PROIECTE DE CERCETARE INOVARE

Grant/proiect național – director/responsabil

- 1. Director de proiect** PNCD II P024 “*Studiul comparativ al mecanismelor moleculare implicate in pancreatita cronica si adenocarcinomul ductal pancreatic*”, Acronim: MOLPANC Beneficiar: Institutul Clinic Fundeni; **Director Proiect: Dr. Simona Olimpia Dima**; Finantare: Autoritatea Contractanta Centrul National De Management Programe-CNMP, Durata proiect: 2007-2010 (36 luni); Valoare totala Proiect: 2.000.000 lei.
- 2. Responsabil** in cadrul Proiectului nr. 951, cod SMIS-CSNR 14056, “*CEMT – Centru de Excelenta in Medicina Translationala*”. Beneficiar: Institutul Clinic Fundeni; Director Proiect: Prof. Dr. Irinel Popescu; Durata proiect: 30 luni (decembrie 2012 – Nov 2015); Finantare: Fondul European de Dezvoltare Regionala (FEDR) prin Programul Operational Sectorial “Cresterea Competitivitatii Economice” Operațiunea 2.2.1: Dezvoltarea infrastructurii C-D existente și crearea de noi infrastructuri C-D (laboratoare, centre de cercetare); Contract finantare: încheiat cu Autoritatea Națională pentru Cercetare Științifică ca Organism Intermediar; Valoare totala Proiect: 43.652.966 lei. (<http://icfundeni.ro/centru-de-excelenta-in-medicina-translationala/>)
- 3. Coordonare stiintifica** in cadrul Proiectului SMIS CSNR 692-12650; “*Profilul genic al cancerelor bronho-pulmonare cu celule non-mici si invazia ganglionilor mediastinali-GPN2*”; Beneficiar: Institutul Clinic Fundeni; Director Proiect: Profesor Dr. Jean-Francois Regnard. Finantare: Autoritatea Nationala pentru Cercetare Stiintifica in calitate de Organism Intermediar (OI), Programul Operațional „Cresterea Competitivității Economice” (POS CCE), Axa Prioritara 2-O.2.1.2, Contract de finanțare nr. 211, Durata proiect: 20.07.2010–19.05.2014; Valoare totala Proiect: 6.000.000 lei. (<http://www.icfundeni.ro/gpn2/wp/en>)
- 4. Responsabil** in cadrul Proiectului nr. 90 “*Rolul S100A4 și MAP4K4 în progresia adenocarcinomului pancreatic ductal*”; Beneficiar: Institutul Clinic Fundeni; Director Proiect: Prof. univ. Dr. Irinel POPESCU; Durata proiect: 36 luni (iulie 2012-iulie 2015); Finantare: UEFISCDI prin programul national de proiecte colaborative de cercetare aplicativa-PCCA; Contract de finantare: incheiat cu UEFISCDI, Valoare totala Proiect: 3.000.000 lei

- 5. Responsabil** in cadrul Proiectului nr. 4. SEE: “*Stratificarea pacientilor cu carcinom hepatocelular prin identificarea unor markeri neinvazivi*” Director Proiect: Prof. Univ. Dr. Irinel POPESCU; Finantare: programul „Cercetare in domenii prioritare”, mecanismul financiar al Spatiului Economic European (SEE), Durata proiect: 30.06.2014-30.04.2017(34 luni), Valoare totala: 1.125.000 Euro.

Grant/proiect internațional – membru în echipa de cercetare

- 1. Executant** in cadrul proiectului *Proiect Fp6- BARP condus de CEE Dab Strasbourg External; Durata proiect: 2003-2005*
- 2. Executant** in cadrul proiectului “*Relatia dintre genotipul virusurilor hepatitice si/sau a variantelor lor cu mediul inconjurator: Evaluarea impactului lor respectiv, clinic si genetic, asupra dezvoltarii cancerului hepatic primitiv in Europa central si de Est - Protocol de cercetare biomedicala cu Institutul Pasteur Franta; Durata proiect: 2008-2009.*”
- 3. Executant** in cadrul proiectului FP6-2005-LIFESCIHEALTH-6 LSH-2005-1.2.2-3, “*Nano based capsule-Endoscopy with Molecular Imaging and Optical biopsy*”, nr. Proiect 3762, Acronim: NEMO; Durata proiect: 2006-2010
- 4. Executant** in cadrul proiectului european FP7 “*Biobanking and Biomolecular Resources Research Infrastructure*”; nr. Grant: 212111. Activitate specifica in cadrul proiectului: “*Disease-focused biobank - colonic and rectal cancer*”.

Grant/proiect național – membru în echipa de cercetare

- 1. Membru in echipa de implementare** in cadrul Proiectului P_37_794 / Acțiunea 1.1.4: Atragerea de personal cu competențe avansate din străinătate pentru consolidarea capacității CD – Secțiune E - Tip proiect: Proiecte CD pentru atragerea de personal cu competențe avansate din străinătate POC-A. 1- A.1.1.4-E-2015, “*Terapia pacientilor cu diabet zaharat cu celule autologe obtinute prin transdiferentierea celulelor hepatice*”, Acronim: Dia-cure, Beneficiar: Institutul Nicolae Cajal – Universitatea “Titu Maiorescu” din Bucuresti, Director de proiect: Prof. Dr. Sarah Ferber, Manager executiv Prof. I Popescu, Finantare: Fondul European de Dezvoltare Regionala prin Programul de Competivitate 2014 – 2020, Durata proiect: 26.10.2016 – 26.05.2022, Valoare totala proiect: 8.642.500 lei.

2. **Responsabil tehnic** in cadrul Proiectului nr. 636 /324/ 20.12.2012, SMIS: 38125
“*Complex Informatic System (patient data management system) dedicated for the monitoring and the optimising of the management of the critically ill patient in the 3 biggest hospitals of Romania (Bucharest Fundeni Platform)*”, Director Proiect: Dr. Bubenek – Turconi Șerban – Ion, Finantare: Uniunea Europeană (EU Funds Regional Development: Implementing the E-Health Programme), Durata proiect: 20.12.2012-17.03.2015; Valoare totala: 1.650.000 Euro.
3. **Coordonare stiintifica si expertiza** in cadrul Proiectului “*Metode inovative de reducere a stresului oxidativ la nivel molecular si celular, cu aplicatii in medicina regenerativa*” PN-II-ID-PCE-2011-3-0769, Beneficiar: Institutul Clinic Fundeni; Director Proiect: Prof. univ. Dr. Irinel POPESCU; Finantare: UEFISCDI prin programul national de proiecte de cercetare explorative- PCE; Durata proiect: 05/10/2011 - 05/12/2015, Valoare totala proiect: 1.495.000 lei.
4. **Executant** în cadrul Proiectului CEEEX P57 “*Noi Surse De Celule Secretante De Insulina In Terapia Diabetului Zaharat Tip I*”, Acronim: CELLTERA; Beneficiar: Universitatea Ovidius Constanta; Director Proiect: Badea Victoria, Finantare: Ministerul Educatiei si Cercetarii, Durata proiect: 2005-2008; Valoare totala Proiect: 15.000.000 lei
5. **Executant** în cadrul Proiectului CEEEX Modul I P85 “*Noi Strategii de Terapie Celulara prin Folosirea de Progenitori Hematopoietici din Sangele de Cordon Ombilical*”; Acronim: CORDCELL Beneficiar: Spitalul Clinic Filantropia; Director Proiect: Peltecu Gherghel Autoritatea contractanta: Autoritatea contractanta: Centrul National de Management Programe (CNMP) Durata proiect: 10.09.2006- 15.09.2008; Valoare totala Proiect: 1.500.000 lei
6. **Executant** în cadrul Proiect CEEEX, Modul I P122 “*Criterii de Selectie a Metodelor Terapeutice in Cancerul Hepatic Secundar: Fundamentare Clinicobiologica si Moleculara*”, Beneficiar: UMF „Gr.T.Popa” Iasi; Director Proiect: tarcoveanu Eugen; Autoritatea contractanta: Autoritatea contractanta: Centrul National de Management Programe (CNMP); Durata proiect: 10.09.2006- 15.09.2008; Valoare totala Proiect: 1.100.000 lei
7. **Executant** în cadrul Proiectului: PNCDI II P41-090 “*Studiul Corelatiei Dintre Markerii Imunohistochimici Si Genetici Implicati in Prognosticul Cancerelor Mamare, Ovariene*

si de Colon” (acronim MOGIC); Beneficiar: Universitatea Ovidius Constanta; Director Proiect: Mariana Aschie, Durata proiect: 18.09. 2007 -17.09.2010

- 8. Executant** în cadrul Proiectului: PN II P41-035 “*Identificarea Markerilor Morfologici si Genetici Implicati in Diagnosticul Precoce si Prognosticul Limfoamelor Non-Hodgkin Ganglionare cu Celula B*” (acronim BIGLIMF); Beneficiar: Institutul Clinic Fundeni; Beneficiar: Universitatea Ovidius Constanta; Director Proiect: Mariana Aschie; Durata proiect: 2008-2011.
- 9. Executant** în cadrul Proiectului: PN II P41-154 “*Factori biologici si imunohistochimici de diagnostic si prognostic in tumorile neuroendocrine ale tubului digestiv si glandelor anexe*”; Acronim: BIOHISTONED; Beneficiar: Institutul Clinic Fundeni; Director Proiect: VladHerlea; Finantare: Parteneriate in domeniile prioritare, Domeniul IV – Sanatate; Autoritatea contractanta: Centrul National de Management Programe (CNMP); Durata proiect: 2008-2011; Valoare totala Proiect: 2.000.000 LEI
- 10. Executant** in cadrul Proiectului PN II P42-165 ”*Studii de identificare si validare a unor potentiali biomarkeri implicati in progresia cancerului de colon*”; Beneficiar:Universitatea de Medicina si Farmacie Carol Davila Bucuresti; Director Proiect: Prof. Dr. Liliana Livia Paslaru; Durata proiect: 36 luni (2008-2011); Finantare: UEFISCDI prin programul national de parteneriate in domenii prioritare proiecte complexe PN II; Contract de finantare: incheiat cu UEFISCDI, Valoare totala Proiect: 810.082 lei.
- 11. Executant** în cadrul Proiectului: PNCDI II P41-036 “*Semnalizarea Intracelulara In Adenocarcinomul Gastric si Esofagian*”, Acronim: GECS; Beneficiar: Institutul de Virusologie Stefan S. Nicolau; Director Proiect: Mihaela Chivu; Finantare: Buget De Stat Autoritatea Nationala Pentru Cercetare Stiintifica; Programul 4: Parteneriate In Domeniile Prioritare; Durata proiect: 2007-2010 (36 luni); Valoare totala Proiect: 600.000 RON
- 12. Executant** în cadrul Proiectului FP7 „*Capacitatile Specifice ale Infrastructurii Programelor de Cercetare*”, Proiect nr.: 212111, Durata proiect: 2007-2010
- 13. Executant** în cadrul Proiect CEEEX Modul I P148 „*Polimorfisme Prezente in Profilul Genetic al Citokinelor Implicate in Rejetul de Grefa si in Producerea Infectiilor Virale la Pacientii Primitori de Transplant*”; Beneficiar:Institutul de Virusologie “Stefan S.

Nicolau”; Director Proiect: Diaconu Carmen Cristina Durata proiect: 10.09.2006-15.09.2008; Valoare totala Proiect: 1.500.000 lei

- 14. Executant** în cadrul proiectului CEEX Modul I P95 „*Celule Stem Hepatice Fetal Umane- Caracterizare si Conditionare in Vederea Transplantului*”; Acronim: HEPSTELLS Beneficiar: Universitatea de Medicina si Farmacie „Carol Davila” Director Proiect: Vidulescu Cristina Felicia Virginia; Durata proiect: 2006-.2008; Valoare totala Proiect: 1.500.000 lei
- 15. Executant** în cadrul Proiectului CEEX Modul I P117 „*Consolidarea si Cresterea Vizibilitatii Internationale a Romaniei Privind Metodologia de Terapie Multidisciplinara a Cancerului Pancreatic*”; Beneficiar: Universitatea de Medicina si Farmacie „Gr.T.Popa” Iasi; Durata proiect: 10.09.2006- 15.09.2008
- 16. Responsabil stiintific** în cadrul Proiectului CEEX, Modul I P62 “*Profile Genice Induse de Supresia Transcriptionala a Ets 1 in Cancerul de Pancreas*”; Acronim: PACAGENTER, Beneficiar: Institutul Clinic Fundeni; Director Proiect: Prof. univ. Dr. Irinel POPESCU; Autoritatea contractanta: Centrul National de Management Programe (CNMP) - BIOTECH; Durata proiect: 10.09.2006-15.09.2008; Valoare totala Proiect: 1.500.000 lei
- 17. Executant** în cadrul Proiectului CEEX, Modul I P63 “*Prezervare Pulmonara cu Perfluorocarbon in Transplantul Pulmonar*”; Acronim: KYOX Beneficiar: Institutul Clinic Fundeni; Director Proiect: Prof. univ. Dr. Irinel POPESCU; Autoritatea contractanta: Centrul National de Management Programe (CNMP) - BIOTECH Durata proiect: 10.09.2006-15.09.2008; Valoare totala Proiect: 1.500.000 lei
- 18. Responsabil stiintific** în cadrul Proiectului CEEX, Modul I P64 “*Expresia Caveolinelor 1,2 si 3 in Cancerele Pancreatice; Tinte Moleculare in Diagnostic si Terapie*”, Acronim: CAVEEX Beneficiar: Institutul Clinic Fundeni; Director Proiect: Prof. univ. Dr. Irinel POPESCU; Autoritatea contractanta: Centrul National de Management Programe (CNMP) - BIOTECH; Durata proiect: 10.09.2006-15.09.2008; Valoare totala Proiect: 1.500.000 lei
- 19. Responsabil stiintific** în cadrul Proiectului CEEX, Modul I P65 “*Potentialul Terapeutic al Celulelor Stem Hematopoietice in Afectiunile Hepatice*”; Acronim : LIVERSTEM Beneficiar: Institutul Clinic Fundeni; Director Proiect: Prof. univ. Dr. Irinel POPESCU; Autoritatea contractanta: Centrul National de Management Programe (CNMP) -

BIOTECH; Durata proiect: 10.09.2006-15.09.2008; Valoare totala Proiect: 1.500.000 RON

- 20. Responsabil stiintific** în cadrul Proiectului CEEX, Modul III P211 *“Promovarea Participarii Romanesti la Proiecte Europene FP7 in Domeniul Imunogeneticii Diabetului Zaharat si al Medicinii Regenerative cu Celulele Beta Pancreatice”*
Acronim: DIABTER Beneficiar: Institutul Clinic Fundeni; Director Proiect: Prof. univ. Dr. Irinel POPESCU Autoritatea contractanta: ; Autoritatea contractanta: Centrul National de Management Programe (CNMP); Durata proiect: 10.09.2006- 15.09.2007; Valoare totala Proiect: 200.000 lei.
- 21. Executant** in cadrul Proiectului VIASAN P147 *„Mecanisme imunopatologice celulare localizate la nivelul interfeței materno-fetale implicate în eșecurile implantaționale și evolutive în primele două trimestre de gestație”*; Proiect coordonat de Universitatea Ovidius din Constanta, Finantare: Ministerul Educatiei si Cercetarii (MEC), Durata proiect: 2004-2006
- 22. Executant** in cadrul Proiectului VIASAN P146 *„Nivelul receptorilor hormonal-indicator tisular de prognostic in leziunile mamare borderline si in carcinoamele invazive”*, Proiect coordonat de Universitatea Ovidius din Constanta, Finantare: Ministerul Educatiei si Cercetarii (MEC), Durata proiect: 2004-2006
- 23. Executant** in cadrul Proiectului P125 *„Aplicații de telemedicină în Delta Dunării”*; Proiect coordonat de SCJU Constanta Finantare: Agentia Aerospatalia Romana, Durata proiect: 2004-2006
- 24. Executant** în cadrul Proiectului CEEX P42 *“Noi tinte celulare si moleculare in terapia cu orientare spre pacient a tumorilor maligne. O abordare genomica si proteomica”*, Beneficiar: Institutul Clinic Fundeni; Director Proiect: Conf. Dr. Ardeleanu Carmen Maria; Autoritatea contractanta: Centrul National de Management Programe (CNMP); Durata proiect: 2005-2008 (36 luni);
- 25. Executant** în cadrul Proiectului CEEX P56, GENOPACT *“Studiul profilului expresiei genice si biomarkerilor corelat cu parametrii clinicopatologici in cancerul de pancreas”*, Beneficiar: Institutul Clinic Fundeni; Director Proiect: Prof. univ. Dr. Irinel POPESCU; Autoritatea contractanta: Centrul National de Management Programe (CNMP); Durata proiect: 2005-2008 (36 luni); Valoare totala Proiect: 15.000.000 lei.

- 26.** Proiect CNCSIS “*Platforma de formare si cercetare interdisciplinară de medicină translatională - George Emil Palade*”; Coordonator Platforma pentru Programe de Formare: Prof. Dr. Irinel Popescu; 2006
- 27. Executant** în cadrul Proiectului VIASAN P215 „*Noi strategii de inducere a toleranței imune în transplantul de organe și țesuturi*”, Proiect coordonat de Universitatea Ovidius din Constanța, Finantare: Ministerul Educației și Cercetării (MEC), Durata proiect: 2003-2005
- 28. Executant** în cadrul Proiectului VIASAN P216 „*Soluții informatice noi pentru managementul bazelor de date în transplant de insule de pancreas*”, Finantare: Ministerul Educației și Cercetării (MEC), Durata proiect: 2003-2005
- 29. Executant** în cadrul Proiectului VIASAN 197 „*Limfoame maligne gastro-intestinale, aspecte anatomo-clinice, morfologice și imunohistochimice*”, Finantare: Ministerul Educației și Cercetării (MEC), Durata proiect: 2003-2005
- 30. Executant** în cadrul Proiectului VIASAN „*Optimizarea metodelor experimentale în transplantul de organe, țesuturi și celule*”, Proiect coordonat de Fundația pentru Chirurgia Ficatului, Finantare: Ministerul Educației și Cercetării (MEC), Durata proiect: 2004-2005
- 31. Executant** în cadrul Proiectului VIASAN P449 „*Studiu privind utilizarea hipertermiei în potentarea efectelor citostatice la bolnavii cu cancere peritoneale secundare*”; Proiect coordonat de Universitatea Ovidius din Constanța, Finantare: Ministerul Educației și Cercetării (MEC), Durata proiect: 2004-2006
- 32. Executant** în cadrul Proiectului VIASAN P448 „*Influența compusilor din mediul de cultura asupra supraviețuirii celulelor beta pancreatice*”, Proiect coordonat de Universitatea Ovidius din Constanța, Finantare: Ministerul Educației și Cercetării (MEC), Durata proiect: 2004-2006
- 33. Executant** în cadrul Proiectului VIASAN P447 „*Reconstrucția de trahee*”, Durata proiect: 2004-2006
- 34. Executant** în cadrul Proiectului CEEX P58 “*Studii biomoleculare pentru factori de prognostic în tumorile stromale gastrointestinale*”, Acronim:BIOSTROMA Beneficiar: Institutul Clinic Fundeni; Director Proiect: Prof. univ. Dr. Irinel POPESCU, Finantare:

Autoritatea contractanta: Centrul National de Management Programe (CNMP); Durata proiect: 2005-2008; Valoare totala Proiect: 6.000.000 lei.

- 35. Executant** in cadrul Proiectului VIASAN P75 „*Screeningul genetic al pacientilor sanatosi cu istoric familial de neoplasm de colon*”, Programul ORIZONT, Finantare: Ministerul Educatiei si Cercetarii (MEC), Durata proiect: 2000-2002
- 36. Executant** in cadrul Proiectului VIASAN P187 „*Transplantul de celule pancreatice in Diabetul zaharat*”, Proiect coordonat de Universitatea Ovidius din Constanta, in parteneriat cu Institutul Clinic Fundeni; Finantare: Ministerul Educatiei si Cercetarii (MEC), Durata proiect: 2002-2005.
- 37. Coordonare stiintifica si expertiza** in cadrul Proiectului BIOTECH P 345/2003; „*Noi strategii de imunoizolare a insulelor pancreatice*”.Durata proiect: 2003-2005.

Proiecte educationale

- 1. Coordonator regional** in cadrul Proiectului „*DEZVOLTAREA COMPETENTELOR IN TRANSPLANT*”-DCT; Beneficiar: Academia de Ştiinţe Medicale; Director Proiect: Prof. univ. Dr. Irinel POPESCU; Finantare: Axa Prioritara 3 “Creşterea adaptabilităţii lucrătorilor şi a întreprinderilor”, Domeniul Major de Interventie 3.2 „Formare şi sprijin pentru întreprinderi şi angajaţi pentru promovarea adaptabilităţii”. Durata proiect: 12 luni (Ianuarie - Decembrie 2015), Valoare totala: 88.978.625,25 lei, care din 87.176.261,38 lei asistenţă financiară nerambursabilă.
- 2. Coordonator regional** in cadrul Programului Postdoctoral: "*Biotehnologii celulare si moleculare cu aplicatii in medicina*"; Beneficiar: Institutul de Biochimie al Academiei Romane; Director Proiect: Dr. Stefana Petrescu; Finantare: POS DRU, AXA 1 Educatie si formare, 1.5 Programe doctorale; Durata proiect: 2010-2012; Valoare totala: 14.768.875, 00 lei, care din 14.275.489, 00 lei asistenţă financiară nerambursabilă.
- 3. Coordonator de implementare** in cadrul Proiectului "*Specializare pentru performanta, eficacitate si raspuns în domeniul transplantului de organe – S.P.E.R.*" , POSDRU/81/3.2./S/59616, Beneficiar: Fundatia “ Dan Setlacec”; Director Proiect: Prof. univ. Dr. Irinel POPESCU; Finantare: Fondul Social European prin Programul Operational Sectorial Dezvoltarea Resurselor Umane 2007-2013; Axa prioritara 3” Cresterea adaptabilitatii lucratorilor si a intreprinderilor” Domeniul major de interventie 3.2 , Durata proiect: 2010-2013; Valoare totala Proiect: 5 988 220 lei