# LISTA PUBLICAȚII

## Conf. Dr. Cucu Daniela-Marcela

(1) Articole publicate *in extenso*:

1. A. Sorop, D. Constantinescu, F. Cojocaru, A. Dinischiotu, D. Cucu, S. O. Dima, Exosomal microRNAs as Biomarkers and Therapeutic Targets for Hepatocellular Carcinoma. *International journal of molecular sciences* **22**, (May 8, 2021).
2. F. Cojocaru, T. Selescu, D. Domocos, L. Marutescu, G. Chiritoiu, N. R. Chelaru, S. Dima, D. Mihailescu, A. Babes, D. Cucu, Functional expression of the transient receptor potential ankyrin type 1 channel in pancreatic adenocarcinoma cells. *Scientific reports* **11**, 2018 (Jan 21, 2021).
3. D. G. Duda, S. O. Dima, D. Cucu, A. Sorop, S. Klein, M. Ancukiewicz, S. Kitahara, S. Iacob, N. Bacalbasa, D. Tomescu, V. Herlea, C. Tanase, A. Croitoru, I. Popescu, Potential Circulating Biomarkers of Recurrence after Hepatic Resection or Liver Transplantation in Hepatocellular Carcinoma Patients. *Cancers* **12**, (May 18, 2020).
4. Ahmed Kaseb, Simona Dima, Roberto Carmagnani Pestana, Marek Ancukiewicz, Dana Cucu, Andrei Sorop, Raluca Florea, Nicolae Bacalbasa, Dana Tomescu, Vlad Herlea, Cristiana Tanase, Irinel Popescu , Dan G. Duda, An Observational Study of Circulating Plasma and Serum Insulin-Like Growth Factor 1 as Prognostic Biomarkers in Surgical Hepatocellular Carcinoma Patients, 2019, Surg. Gastroenterol. Oncol, 24(2); 73-79.
5. R. Mjelle, S. O. Dima, N. Bacalbasa, K. Chawla, A. Sorop, D. Cucu, V. Herlea, P. Saetrom, I. Popescu, Comprehensive transcriptomic analyses of tissue, serum, and serum exosomes from hepatocellular carcinoma patients. *BMC cancer* **19**, 1007 (Oct 28, 2019).
6. R. Ulareanu, G. Chiritoiu, F. Cojocaru, A. Deftu, V. Ristoiu, L. Stanica, D. F. Mihailescu, D. Cucu, N-glycosylation of the transient receptor potential melastatin 8 channel is altered in pancreatic cancer cells. *Tumour biology : the journal of the International Society for Oncodevelopmental Biology and Medicine* **39**, 1010428317720940 (Aug, 2017).
7. M. Mernea, R. Ulareanu, O. Calborean, S. Chira, O. Popescu, D. F. Mihailescu, D. Cucu, Effects of $Cd^{2+}$ on the epithelial Na+ channel (ENaC) investigated by experimental and modeling studies. *General physiology and biophysics* **35**, 259 (Jul, 2016).
8. D. Cucu, G. Chiritoiu, S. Petrescu, A. Babes, L. Stanica, D. G. Duda, A. Horii, S. O. Dima, I. Popescu, Characterization of functional transient receptor potential melastatin 8 channels in human pancreatic ductal adenocarcinoma cells. *Pancreas* **43**, 795 (Jul, 2014).
9. D. Cucu, P. C. D'Haese, A. De Beuf, A. Verhulst, Low doses of cadmium chloride and methallothionein-1-bound cadmium display different accumulation kinetics and induce different genes in cells of the human nephron. *Nephron Extra* **1**, 24 (Jan, 2011).
10. S. Gaspar, C. Niculite, D. Cucu, I. Marcu, Effect of calcium oxalate on renal cells as revealed by real-time measurement of extracellular oxidative burst. *Biosens Bioelectron* **25**, 1729 (Mar 15, 2010).
11. D. Cucu, J. Simaels, J. Eggermont, W. Van Driessche, W. Zeiske, Opposite effects of Ni2+ on Xenopus and rat ENaCs expressed in Xenopus oocytes. *Am J Physiol Cell Physiol* **289**, C946 (Oct, 2005).
12. D. Cucu, J. Simaels, D. Jans, W. Van Driessche, The transoocyte voltage clamp: a non-invasive technique for electrophysiological experiments with Xenopus laevis oocytes. *Pflugers Arch* **447**, 934 (Mar, 2004).
13. D. Cucu, J. Simaels, W. Van Driessche, W. Zeiske, External Ni2 + and ENaC in A6 cells: Na+ current stimulation by competition at a binding site for amiloride and Na+. *J Membr Biol* **194**, 33 (Jul 1, 2003).
14. Segal, D. Cucu, W. Van Driessche, W. M. Weber, Rat ENaC expressed in Xenopus laevis oocytes is activated by cAMP and blocked by Ni(2+). *FEBS Lett* **515**, 177 (Mar 27, 2002).
15. D. Jans, J. Simaels, D. Cucu, W. Zeiske, W. Van Driessche, Effects of extracellular Mg2+ on transepithelial capacitance and Na+ transport in A6 cells under different osmotic conditions. *Pflugers Arch* **439**, 504 (Mar, 2000).
16. D. Cucu, D. Mihailescu, Spontaneous electrical potential oscillation on a filter impregnated with soybean lecithin placed between identical solutions of alanine. *Biophys Chem* **85**, 41 (May 31, 2000).
17. D. Cucu, D. Mihailescu, G. Mihailescu, D. P. Nikolelis, M. L. Flonta, P. T. Frangopol, Fourier analysis of potential oscillations of a liquid membrane for the discrimination of taste substances. *Biophys Chem* **63**, 47 (Dec 10, 1996).

18. E Luca, D Cucu, MS Craciun Diachronic modifications in some populations of the Bran corridor, 1996, Annuaire Roumain D'anthropologie 33, 1
19. C Glavce, **D. Cucu**, C Valentin, Influenţa coonditiilor sociale şi economice asupra calităţii biologice a nou-născutului în decada 1980-1989, Studii şi cercetări de antropologie 33 (37)
20. C Glavce, C Valentin, **D. Cucu**, R Rus, The new-born's biological quality studied in correlation with social and economical, 1996, Annuaire roumane d'Anthropologie.

(2) Articole publicate în rezumat:

1. F Cojocaru, T Selescu, D Domocos, D Mihailescu, A Babes, **D Cucu**, Investigation of Transient receptor potential ankyrin 1 (TRPA1) expression and function in a pancreatic adenocarcinoma cell line, European Biophysics Journal with Biophysics Letters 48, S176-S176, 07/01/2019.
2. Dima S, **Cucu D**, Bacalbasa N, Tomescu D, Florea R, Herlea V, Tica V, Tanase C, Duda D, Popescu I, 2016 Prognostic role of circulating angiogenic markers in patients with hepatocellular carcinoma undergoing liver transplantation and liver resection, , HPB 18, e58-e59.
3. Simona Dima, Dan Duda, **Dana Cucu,** Mihai Eftimie, Valeria Tica, Nicolae Bacalbasa, Adina Croitoru, Vlad Herlea, Cristiana Tanase, Irinel Popescu, 2015, Angiogenic Markers in Patients With Liver Transplantation for Hepatocellular Carcinoma, TRANSPLANTATION 99, 283-283.
4. **Cucu D**., Stanică Luciana, Babeș Alexandru, Chirițescu Gabriela, Petrescu Ștefana, Dima Simona Olimpia, Popescu Irinel. 2013. Functional transient receptor potential melastatin 8 (TRPM8) channels in human pancreatic ductal adenocarcinoma cells" International "Academician Nicolae Cajal" symposium, 27-28 Martie 2013, Bucureşti, România.
5. **Cucu D**., Stanică Luciana, Chirițescu Gabriela, Petrescu Ștefana, Dima Simona Olimpia, Popescu Irinel.2012 Transient receptor melastatin 8 in pancreatic ductal adenocarcinoma", International "Academician Nicolae Cajal" symposium, București, România.
6. **Cucu D**., Stanică Luciana, Babeș Alexandru, Chirițescu Gabriela, Petrescu Ștefana, Dima Simona Olimpia, Popescu Irinel. „Ion channels in pancreatic adenocarcinoma" The Annual International Conference of the RSBMB, Craiova, Romania, 28-30 September 2011
7. Marcu Irene, Catalin Lazar, Norica Branza-Nichita, **Dana Cucu.** 2009. The regulation of amiloride-sensitive epithelial sodium channels by $Cd^{2+}$ in renal cells and *Xenopus laevis* expressing oocytes. 20th International Symposium on Bioelectrochemistry and Bioenergetics, 10-14 Mai 2009, Sibiu, România.
8. Verhulst A, **Cucu D**, De Beuf A and D'Haese PC, 2007, Cadmium uptake în human tubular epithelium, Annual Scientific Meeting of the BVN/SBN, Brussels

(4) Capitole cărţi

1. Chronic Pancreatitis as an Inductor of Pancreatic Cancer—Correlations With Inflammatory Pathways, SO Dima, **D Cucu**, N Bacalbas, I Popescu – 2015 Intech Open Access Book Acute and Chronic Pancreatitis.

2. Cancer Stem Cells in Pancreatic and Hepatocellular Carcinoma: Similarities and Differences, Simona Olimpia Dima, **Dana Cucu**, N. Bacalbasa, Valeria Tica, Irinel Popescu. –2016 Bentham ebooks, Stem Cells Between Regeneration and Tumorigenesis.

(5) Cărţi

1. Dana Cucu, teza de doctorat, Characterization and localisation of the effect of Nickel on the Epithelial Na+ channel (ENaC)", 2004, KU Leuven. MGAS: Biomedische Bibliotheek M/TH/1026
2. **Cucu Dana**, Mernea Maria, 2016 Tehnici de Biofizică, Editura Ars Docendi