

a) Lucrări relevante

Lucrări autor principal

1. **Patras L.**, Shaashua L., Matei I., Lyden D. 2023. Immune determinants of the pre-metastatic niche. *Cancer Cell*, 41(3):546-572. doi: 10.1016/j.ccell.2023.02.018. PMID: 36917952. **(IF₂₀₂₂ = 38.585; AIS₂₀₂₂ = 13.838; Q1)**
2. **Patras L.**, Paul. D., Matei I. 2023. Weaving the nest: extracellular matrix roles in pre-metastatic niche formation. *Frontiers in Oncology*, 13:1163786. doi: 10.3389/fonc.2023.1163786. **(IF₂₀₂₂ = 5.738; AIS₂₀₂₂ = 1.152; Q2)**
3. **Patras, L.**, Ionescu, A. E., Munteanu, C., Hajdu, R., Kosa, A., Porfire, A., Licarete, E., Rauca, V. F., Sesarman, A., Luput, L., Bulzu, P., Chiroi, P., Tranca, R. A., Meszaros, M. S., Negrea, G., Barbu-Tudoran, L., Potara, M., Szedlacsek, S., & Banciu, M. 2022. Trojan horse treatment based on PEG-coated extracellular vesicles to deliver doxorubicin to melanoma in vitro and in vivo. *Cancer biology & therapy*, 23(1): 1–16. doi: 10.1080/15384047.2021.2003656. **(IF₂₀₂₂ = 4.875; AIS₂₀₂₂ = 0.766; Q3)**
4. **Patras L.** and Banciu M. 2019. Intercellular crosstalk via extracellular vesicles in tumor milieu as emerging therapies for cancer progression. *Current Pharmaceutical Design*, 25(17): 1980-2006. doi: 10.2174/1381612825666190701143845. **(IF₂₀₁₉ = 2.208; AIS₂₀₁₉ = 0.539; Q3)**
5. **Patras L**, Fens MHAM, Vader P, Barendrecht A, Sesarman A, Banciu M, Schiffelers R. 2020. Normoxic tumour extracellular vesicles modulate the response of hypoxic cancer and stromal cells to doxorubicin in vitro. *International Journal Molecular Sciences*, 21(17):5951. doi: 10.3390/ijms21175951. **(IF₂₀₂₀=6.208; AIS₂₀₂₀= 0.947; Q2)**
6. **Patras L**, Sylvester B, Luput L, Sesarman A, Licarete E, Porfire A, Muntean D, Drotar DM, Rusu AD, Nagy AL, Catoi C, Tomuta I, Vlase L, Banciu M, Achim M. 2017. Liposomal prednisolone phosphate potentiates the antitumor activity of liposomal 5-fluorouracil in C26 murine colon carcinoma in vivo. *Cancer Biology & Therapy*, 18(8): 616-626. doi: 10.1080/15384047.2017.1345392. **(IF₂₀₁₇ = 3.373; AIS₂₀₁₇ = 0.736; Q1)**
7. **Patras L**, Sesarman A, Licarete L, Luca L, Alupeii MC, Rakosy-Tican E and Banciu M. 2016. Dual role of macrophages in the response of C26 colon carcinoma cells to 5-fluorouracil administration, *Oncology Letters*, 12(2):1183-1191. doi: 10.3892/ol.2016.4708. **(IF₂₀₁₆ = 1.39; AIS₂₀₁₆ = 0.296; Q3)**

Lucrări co-autor

8. Rauca, V. F., **Patras, L.**, Luput, L., Licarete, E., Toma, V.A., Porfire, A., Mot, A.C., Rakosy-Tican, E., Sesarman, A., Banciu, M. 2021. Remodeling tumor microenvironment by liposomal

codelivery of DMXAA and simvastatin inhibits malignant melanoma progression. *Scientific reports*, 11(1), 22102. doi: 10.1038/s41598-021-01284-5.

(IF₂₀₂₀ = 4.38; AIS₂₀₂₀ = 1.28; Q1)

9. Negrea, G., Rauca, V.F., Meszaros, M.S., **Patras, L.**, Luput, L., Licarete, E., Toma, V.A., Porfire, A., Muntean, D., Sesarman, A., & Banciu, M. 2022. Active Tumor-Targeting Nanoformulations Containing Simvastatin and Doxorubicin Inhibit Melanoma Growth and Angiogenesis. *Frontiers in Pharmacology*, 13, 870347. doi: 10.3389/fphar.2022.870347.

(IF₂₀₂₀ = 5.988; AIS₂₀₂₀ = 1.13; Q1)

10. Alupei M.C., Licarete E., **Patras L.**, Banciu M. 2015. Liposomal simvastatin inhibits tumor growth via targeting tumor-associated macrophages-mediated oxidative stress. *Cancer Letters*; 356(2):946-952. doi: 10.1016/j.canlet.2014.11.010.

(IF₂₀₁₅ = 5.992; AIS₂₀₁₅ = 1.252; Q1)

b) Teza de doctorat

PĂTRAȘ Laura-Ioana. Exploring the tumor-associated macrophages-mediated resistance to anticancer therapies in colorectal cancer/Investigarea rolului macrofagelor asociate cancerului colorectal în modularea rezistenței la terapiile aplicate. Data susținerii publice: 4.10.2019, Ordinul Ministrului Educației Naționale nr. 3122, din 29.01.2020. Conducătorul de doctorat: Prof. Univ. dr. Elena Rakosy.

c) Brevete de invenție și alte titluri de proprietate industrial -

d) Cărți și capitole în cărți -

e) Articole/studii, publicate în reviste din fluxul științific internațional principal

11. Bókony V., Lendvai A.Z., Vágási C.I., **Pătraș L.**, Pap P.L., Németh J., Vincze E., Papp S., Preiszner B., Seress G., and Liker A. 2014. Necessity or capacity? Physiological state predicts problem-solving performance in house sparrows. *Behavioral Ecology*; 25:124-135. doi: 10.1093/beheco/art094. **(IF₂₀₁₄ = 3.177; AIS₂₀₁₄ = 1.204)**

12. Pap PL, Sesarman A, Vágási CI, Buehler DM, **Pătraș L.**, Versteegh MA and Banciu M. 2014. No Evidence for Parasitism-linked Changes in Immune Function or Oxidative Physiology over the Annual Cycle of an Avian Species. *Physiol Biochem Zool*, 87(5):729-39. doi: 10.1086/676934. **(IF₂₀₁₄ = 2.398; AIS₂₀₁₄ = 0.889)**

13. Pap PL, **Pătraș L.**, Osváth G, Buehler DM, Versteegh MA, Sesarman A, Banciu M and Vágási CI. 2015. Seasonal Patterns and Relationships among Coccidian Infestations, Measures of Oxidative Physiology, and Immune Function in Free-Living House Sparrows over an Annual Cycle. *Physiol Biochem Zool*, 88(4):395-405. doi: 10.1086/681243. **(IF₂₀₁₅ = 2.007; AIS₂₀₁₅ = 0.78)**

14. Vágási C.I., Vincze O., **Pătraș L.**, Osváth G., Marton A., Bărbos L., Sol D., Pap P.L. 2016. Large-brained birds suffer less oxidative damage. *Journal of Evolutionary Biology*; 29(10):1968–1976. doi: 10.1111/jeb.12920. Epub 2016 Jun 30. PMID: 27306988. **(IF₂₀₁₆ = 2.792; AIS₂₀₁₆ = 1.175)**

15. Licarete E, Sesarman A, Rauca VF, Luput L, **Patras** L, Banciu M. HIF-1 α acts as a molecular target for simvastatin cytotoxicity in B16.F10 melanoma cells cultured under chemically induced hypoxia. *Oncology Letters*, 13(5): 3942-3950, 2017. (IF₂₀₁₇ = **1.664**; AIS₂₀₁₇ = **0.322**)
16. Luput L, Licarete E, Sesarman A, **Patras** L, Alupei MC, Banciu M. Tumor-associated macrophages favor C26 murine colon carcinoma cell proliferation in an oxidative stress-dependent manner. *Oncology Reports*, 37(4): 2472-2480, 2017. (IF₂₀₁₇ = **2.976**; AIS₂₀₁₇ = **0.512**)
17. Sesarman A, Tefas L, Sylvester B, Licarete E, Rauca V, Luput L, **Patras** L, Banciu M, Porfire A, Anti-angiogenic and anti-inflammatory effects of long-circulating liposomes co-encapsulating curcumin and doxorubicin on C26 murine colon cancer cells. *Pharmacology Reports*, 70(2): 331-339, 2017. (IF₂₀₁₈ = **2.787**; AIS₂₀₁₈ = **0.584**)
18. Achim M., Tomuta I., Muntean D., Porfire A., Tefas L.R., **Patras L.**, Licarete E., Alupei M.C., Vlase L., Banciu M. 2017. Optimization and *in vitro* evaluation of 5-fluorouracil-loaded long-circulating liposomes. *Farmacia*; 65(1):82-91. <http://www.revistafarmacia.ro/201701/issue12017art13.html> (IF₂₀₁₇ = **1.507**; AIS₂₀₁₇ = **0.074**)
19. Luput L, Licarete E, Drotar DM, Nagy AL, Sesarman A, **Patras** L, Rauca VF, Porfire A, Muntean D, Achim M, Tomuta I, Vlase L, Catoi C, Dragos N, Banciu M. 2018. In Vivo Double Targeting of C26 Colon Carcinoma Cells and Microenvironmental Protumor Processes Using Liposomal Simvastatin. *J Cancer*; 9(2):440-449. (IF₂₀₁₈ = **3.182**; AIS₂₀₁₈ = **0.662**)
20. Rauca, V-F, Licarete, E, Luput, L, Sesarman, A, **Patras**, L, Bulzu, P and Banciu, M. 2018. Combination therapy of simvastatin and 5,6-dimethylxanthenone-4-acetic acid synergistically suppresses the aggressiveness of B16.F10 melanoma cells. *PLoS ONE*, 13(8), e0202827. doi: 10.1371/journal.pone.0202827. (IF₂₀₁₈ = **2.766**; AIS₂₀₁₈ = **0.978**)
21. Vágási C.I., **Pătraș L.**, Pap P.L., Vincze O., Mureșan C., Németh J., Lendvai A.Z. 2018. Experimental increase in baseline corticosterone level reduces oxidative damage and enhances innate immune response. *PLoS ONE*; 13(2):e0192701. doi: 10.1371/journal.pone.0192701. PMID: 29432437; PMCID: PMC5809056. (IF₂₀₁₈ = **2.766**; AIS₂₀₁₈ = **0.978**)
22. Pap P.L., Vincze O., Fülöp A., Székely-Béres O., **Pătraș L.**, Péntes J., Vágási C.I. 2018. Oxidative physiology of reproduction in a passerine bird: a field experiment. *Behavioral Ecology and Sociobiology*; 72:1-18. doi: 10.1007/s00265-017-2434-x. (IF₂₀₁₈ = **2.103**; AIS₂₀₁₈ = **0.81**)
23. Licarete E, Rauca VF, Luput L, **Patras** L, Sesarman A, Banciu M. 2019. The prednisolone phosphate-induced suppression of the angiogenic function of tumor-associated macrophages enhances the antitumor effects of doxorubicin on B16.F10 murine melanoma cells in vitro. *Oncology Reports*; 42(6):2694-2705. doi: 10.3892/or.2019.7346. (IF₂₀₁₉ = **3.417**; AIS₂₀₁₉ = **0.594**)
24. Sesarman, A, Muntean, D, Abrudan, B, Tefas, L, Sylvester, B, Licarete, E, Rauca, V, Luput, L, **Patras**, L, Banciu, M, Vlase, L, Porfire, A. 2021. Improved pharmacokinetics and reduced side

effects of doxorubicin therapy by liposomal co-encapsulation with curcumin. *J Liposome Res.* 31(1):1-10. doi: 10.1080/08982104.2019.1682604. (IF₂₀₁₉ =2.455; AIS₂₀₁₉ = 0.374)

25. Buda, D-M, Bulzu, P-A, Barbu-Tudoran, L, Porfire, A, **Pătraș**, L, Sesărman, A, Tripon, S, Șenilă, M, Ionescu, MI, Banciu, HL. 2019. Physiological response to silver toxicity in the extremely halophilic archaeon *Halomicrobium mukohataei*. *FEMS Microbiol. Lett.* 366. doi: 10.1093/femsle/fnz231. (IF₂₀₁₉ =1.987; AIS₂₀₁₉= 0.596)

26. Vágási C.I., Vincze O., **Pătraș** L., Osváth G., Péntzes J., Haussmann M., Barta Z., Pap P.L. 2019. Longevity and life history coevolve with oxidative stress in birds. *Functional Ecology*; 33:152-161. doi: 10.1111/1365-2435.13228. (IF₂₀₁₉ = 4.434; AIS₂₀₁₉ = 1.82)

27. Luput L, Sesarman A, Porfire A, Achim M, Muntean D, Casian T, **Patras** L, Rauca, VF, Drotar DM, Stejerean I, Tomuta I, Vlase L, Dragos N, Toma VA, Licarete E, Banciu M. 2020. Liposomal simvastatin sensitizes C26 murine colon carcinoma to the antitumor effects of liposomal 5-fluorouracil in vivo. *Cancer Science*; 111(4):1344-1356. doi: 10.1111/cas.14312. (IF₂₀₂₀= 6.71; AIS₂₀₂₀ = 1.327)

28. Licarete E, Rauca VF, Luput L, Drotar D, Stejerean I, **Patras** L, Dume B, Toma VA, Porfire A, Gherman C, Sesarman A, Banciu M. 2020. Overcoming Intrinsic Doxorubicin Resistance in Melanoma by Anti-Angiogenic and Anti-Metastatic Effects of Liposomal Prednisolone Phosphate on Tumor Microenvironment. *Int J Mol Sci.*, 21(8):2968. doi: 10.3390/ijms21082968. (IF₂₀₂₀=4.556; AIS₂₀₂₀= 0.943)

29. Marton A, Vágási CI, Vincze O, Bókony V, Pap PL, **Pătraș** L, Péntzes J, Bărbos L, Fülöp A, Osváth G, Ducatez S, Giraudeau M. 2022. Oxidative physiology is weakly associated with pigmentation in birds. *Ecology and Evolution.*, 12(8):e9177. doi: 10.1002/ece3.9177. PMID: 35979521; PMCID: PMC9366753. (IF₂₀₂₁= 3.167; AIS₂₀₂₁ = 0.853)

Lucrări publicate în jurnale BDI/ B+

30. Rusu A.D., **Patras** L., Banciu M. 2015. Overview on nanoparticulate formulations for 5-Fluorouracil delivery in colorectal cancer treatment. *Studia Universitatis Babeș-Bolyai, Biologia*; 60(2):89-96. http://studia.ubbcluj.ro/download/pdf/Biologia_pdf/2015_2/08.pdf (*autor corespondent)

31. Negrea G., Rauca V.F., **Pătraș** L., Luput L., Licărete E., Toma V.A., Dume B., Porfire A., Banciu M., Sesărman A. (2021). Novel combined therapy based on IL-13-PEG-LCL-SIM and PEG-EV-DOX to reduce murine melanoma aggressiveness in vivo. *Studia Universitatis Babeș-Bolyai, Biologia*, 66 (1):13-14. <http://studia.ubbcluj.ro/download/pdf/1369.pdf>

f) Publicații in extenso, apărute în lucrări ale principalelor conferințe internaționale de specialitate -

g) Participări la conferințe

Prezentări orale la conferințe naționale și internaționale

1. **Laura Patras**, Emilia Licarete, Lavinia Luca, Manuela Banciu, Tumor-associated macrophages are involved in the resistance of C26 colon carcinoma cells to the 5-fluorouracil treatment. The Annual International Conference of the Romanian Society of Biochemistry and Molecular Biology and Workshop “Viral hepatitis from cell culture to clinic”, 5-6 June 2014, Băile Felix, Romania, Romanian Journal of Biochemistry, 51, Suppl., p. 36.
2. **Patras L**, Rusu A, Sesarman A, Licarete E, Luca L, Sylvester B, Muntean D, Achim M, Porfire A, Tomuta I, Banciu M. In vivo liposomal delivery of 5-Fluorouracil and prednisolone for colorectal cancer treatment, 7th National Congress with International Participation and 33nd Annual Scientific Session of Romanian Society for Cell Biology, 11-14 June, 2015, Baia Mare, Romania. Buletin of Romanian Society for Cell Biology, 43, p. 45.
3. Licarete E, Sesarman A, Luca L, **Patras L**, Banciu M. HIF-1 A – the key player in the simvastatin cytotoxicity on B16.F10 murine melanoma cells, International Conference of the Romanian Society of Biochemistry and Molecular Biology, 17-18 September 2015, Bucharest, Romania, Book of abstract RSBMB International Conference, p.88.
4. Licarete E, Sesarman A, Luca L, **Patras L**, Banciu M. Simvastatin is a powerful inhibitor of angiogenesis in B16.F10 murine melanoma cells under hypoxic conditions, 7th National Congress with International Participation and 33nd Annual Scientific Session of Romanian Society for Cell Biology, 11-14 June, 2015, Baia Mare, Romania. Bulletin of Romanian Society for Cell Biology, 43, p. 23.
5. **Laura Patras**, Bianca Sylvester, Lavinia Luput, Alina Porfire, Alina Sesarman, Emilia Licarete, Dana Muntean, Denise Minerva Drotar, Alexandra Doina Rusu, Nagy-Andras Laszlo, Ioan Tomuta, Laurian Vlase, Marcela Achim, Manuela Banciu; Combination therapy of liposomal prednisolone and 5-fluorouracil exerts strong anti-inflammatory and anti-angiogenic effects on C26 colon carcinoma. The Annual International Conference of the Romanian Society for Biochemistry and Molecular Biology, 8-9 June 2017, Timișoara, România. Abstract book New frontiers in chemistry, 26, S2_OP8.
6. **Laura Patras**, Aura Ionescu, Cristian V.A. Munteanu, Paul Bulzu, Paul Chiroi, Ștefan Szedlacsek, Manuela Banciu. Identification of extracellular vesicles surface proteins and their interactors as new targets for nanomedicine and immunotherapy in cancer. The 12th International Conference and Workshop on Biological Biobarriers, 27-29 August 2018, Saarbrücken, Germany.
7. Sesarman A, Tefas L, Sylvester B, Licarete E, Rauca V, Luput L, **Patras L**, Porav S, Banciu, M, Porfire A. Co-encapsulation of curcumin and doxorubicin in long circulating liposomes enhances the efficacy of colon cancer treatment. The 24th World Congress on Advances in Oncology, and 24th International Symposium on Molecular Medicine, 10-12 October 2019, Mystras, Sparta, Greece. International Journal of Molecular Medicine, volume 44, supplement 1, 2019 (S34).
8. Licarete E, Drotar D-M, Stejerean I, **Patras L**, Rauca VF, Luput L, Sesarman A, Banciu M. Modulation of tumor microenvironment by liposomal prednisolone enhances the antitumor activity of liposomal doxorubicin in an in vivo model of murine melanoma. The 24th World

Congress on Advances in Oncology, and 24th International Symposium on Molecular Medicine, 10-12 October, 2019, Mystras, Sparta, Greece. International Journal of Molecular Medicine, volume 44, supplement 1, 2019 (S26).

9. Luput L, Licarete E, Sesarman A, Rauca VF, **Patras L**, Porfire A, Muntean D, Achim M, Tomuta I, Vlase L, Banciu M. Novel therapies based on long-circulating liposomal simvastatin in colorectal cancer. The 24th World Congress on Advances in Oncology, and 24th International Symposium on Molecular Medicine, 10-12 October, 2019, Mystras, Sparta, Greece. International Journal of Molecular Medicine, volume 44, supplement 1, 2019 (S27).

10. Rauca VF, **Patras L**, Luput L, Sesarman A, Licarete E, Toma V, Mot AC, Banciu M. Combination therapy of the liposome-encapsulated agents Simvastatin and DMXXA affects major mechanisms of murine melanoma development and progression. The 24th World Congress on Advances in Oncology, and 24th International Symposium on Molecular Medicine, 10-12 October, 2019, Mystras, Sparta, Greece. International Journal of Molecular Medicine, volume 44, supplement 1, 2019 (S34).

11. Licarete E, Rauca VF, Sesarman A, Luput L, **Patras L**, Banciu M. Combined melanoma-targeted therapies to suppress tumor microenvironment cell-mediated processes. The 24th World Congress on Advances in Oncology, and 24th International Symposium on Molecular Medicine, 10-12 October, 2019, Mystras, Sparta, Greece. International Journal of Molecular Medicine, volume 44, supplement 1, 2019 (S38).

12. **Laura Patras**, Kayleen Bailey, Miho Hatano, Angela Di Giannatale, Ayuko Hoshino, Daniela Freitas, Celso Reis, Jack Bui, Doru Paul, Irina Matei, David Lyden. Understanding the role of tumor exosomes in anti-tumor immunity. Simpozionul Transdisciplinar de Oncologie Personalizata, Editia a IV-a, 17 September – 17 December 2020, Bucharest, Romania.

13. Alina Sesarman; Lucia Tefas; Bianca Sylvester; Emilia Licarete; Valentin Rauca; Lavinia Luput; **Laura Patras**; Sebastian Porav; Dana Muntean; Bianca Abrudan; Laurian Vlase; Manuela Banciu; Alina Porfire ON-SITE, Targeted therapy for colon cancer based on liposomes with curcumin and doxorubicin, BIO.T.A. (BIOdiversitate, Tradiții și Actualitate), 19.11.2021, Cluj-Napoca, Romania.

14. **Laura Patras**, Kayleen Bailey, Miho Hatano, Angela Di Giannatale, Ayuko Hoshino, Daniela Freitas, Celso Reis, Jack Bui, Doru Paul, Irina Matei, David Lyden. Exosome mediated mechanisms of tumor progression and regression. Simpozionul Transdisciplinar de Oncologie Personalizata, Editia a V-a, 23-25 September 2021, Bucharest, Romania.

15. Alina Sesarman, Lavinia Luput, Valentin-Florian Rauca, **Laura Patras**, Emilia Licarete, Bogdan Razvan Dume, Giorgiana Negrea, Vlad-Alexandru Toma, Dana Muntean, Alina Porfire, Manuela Banciu, Surface modification of prednisolone phosphate-loaded liposomes using IL-13 enhances their cellular uptake and antitumor activity in melanoma, International Conference and XXXIX Scientific Session of the Romanian Society for Cell Biology (RSCB), 21-23.10.2022, Cluj-Napoca, Romania.

16. **Laura Patras**, Doru M. Paul, David I. Kutler, Irina Matei, David Lyden. Exploring the biomarker potential of extracellular vesicles derived from head and neck cancer patients. Simpozionul Transdisciplinar de Oncologie Personalizata, Editia a VI-a, 22-24 September 2022, Bucharest, Romania.

17. **Laura Patras**, Kayleen Bailey, Miho Hatano, Angela Di Giannatale, Ayuko Hoshino, Daniela Freitas, Celso Reis, Jack Bui, Doru Paul, Irina Matei, David Lyden. Characterization of adaptive immune responses during exosome-mediated tumor regression. International Conference and XXXIX Scientific Session of RSCB, October 21st-23rd 2022, Cluj-Napoca, Romania.

18. **Laura Patras**, Kayleen Bailey, Miho Hatano, Angela Di Giannatale, Ayuko Hoshino, Thomas Miller, Doru M. Paul, Irina Matei, David Lyden. Tumor-derived extravesicular basigin dictates tumor outcome via crosstalk with adaptive immunity, Al 7-lea Simpozion de Oncologie Translațională Personalizată de Combatere a Cancerului, 20-22 April 2023, Bucharest, Romania.

19. **Laura Patras**, Kayleen Bailey, Miho Hatano, Angela Di Giannatale, Ayuko Hoshino, Daniela Freitas, Henrik Molina, Celso Reis, Jack Bui, Doru Paul, Irina Matei, David C. Lyden. Extravesicular CD147 is a major player in orchestrating the adaptive immunity-mediated tumor regression in vivo. Annual meeting of the International Society of Extracellular Vesicles (ISEV), Mai 17-23, 2023, Seattle, US, **Journal of Extracellular Vesicles**, 12(S1):e12329. doi: 10.1002/jev2.12329. Bursa de competitivitate ISEV2023.

Participare cu poster la conferințe naționale și internaționale

1. Emilia Licarete, Marius Costel Alupei, **Laura Patras**, Manuela Banciu. The antitumor activity of simvastatin encapsulated in long circulating liposomes is dependent on the intratumoral macrophages. 23rd Biennial Congress of the European Association for Cancer Research (EACR-23), 5-8 July, 2014, Munich, Germany, *European Journal of Cancer*, 50, 5:200-201.

2. Luca L, Licarete E, Sesarman A, **Patras L**, Banciu M. NADPH-Oxidase – key – player in maintaining the oxidative stress induced by tumor-associated macrophages co-cultivated with C26 murine colon carcinoma cells, International Conference of the Romanian Society of Biochemistry and Molecular Biology, 17-18 September 2015, Bucharest, Romania, Book of abstract RSBMB International Conference 2015, (P90).

3. Sesarman A, Luca L, Licarete E, **Patras L**, Banciu M. Cytotoxic effects of curcumin and 5-FU on murine colon cancer cells co-cultured with macrophages, International Conference of the Romanian Society of Biochemistry and Molecular Biology, 17-18 September 2015, Bucharest, Romania, Book of abstract RSBMB International Conference 2015, (P95).

4. **Patras L**, Rusu A, Sesarman A, Licarete E, Luca L, Sylvester B, Muntean D, Achim M, Porfire A, Tomuta I, Banciu M. Synergistic effect of liposomal 5-fluorouracil and prednisolone in colorectal cancer treatment, International Conference of the Romanian Society of Biochemistry and Molecular Biology, 17-18 September 2015, Bucharest, Romania, Book of abstract RSBMB International Conference 2015, (P91).

5. Luca L, Licarete E, **Patras L**, Sesarman A, Banciu M. Molecular mechanisms of oxidative stress induced by interaction between tumor-associated macrophages and C26 murine colon carcinoma cells, 7th National Congress with International Participation and 33rd Annual Scientific Session of Romanian Society for Cell Biology, 11-14 June, 2015, Baia Mare, Romania. Buletin of Romanian Society for Cell Biology, 43(P133).
6. Sesarman A, Luca L, Licarete E, **Patras L**, Banciu M. Curcumin and 5-fluorouracil as modulators of macrophages-tumor cells interaction, 7th National Congress with International Participation and 33rd Annual Scientific Session of Romanian Society for Cell Biology, 11-14 June, 2015, Baia Mare, Romania. Buletin of Romanian Society for Cell Biology, 43 (P93).
7. **Patras L**, Licarete E, Luca L, Sesarman A, Alupei M, Banciu M. Tumor-associated macrophages-driven modulation of 5-fluorouracil effects on C26 colon carcinoma cells. EACR-AACR-SIC Special Conference: Anticancer Drug Action and Drug Resistance (EAS2015), 20-23 June, 2015, Florence, Italy. EAS 2015 Proceedings book, p.78, poster number 221.
8. Porfire A, Luca L, Licarete E, Sesarman A, **Patras L**, Muntean D, Tomuta I, Achim M, Vlase L, Banciu M. Antitumor activity of liposomal simvastatin via enhancement of oxidative stress in tumor environment. Journal of International Society of Antioxidants in Nutrition & Health. Vol 1, no.1, 2016.
9. Rauca V-F, Licarete E, Sesarman A, Luput L, **Patras L**, Banciu M. Enhanced antitumor efficacy induced by the coadministration of simvastatin and DMXAA on an in vitro melanoma inflammation model. New Frontiers in Chemistry, 26(2)S2_OP6-S2_OP6, 2017.
10. Licarete E, Rauca V-F, Sesarman A, **Patras L**, Luput L, Banciu M. A novel combination therapy for the treatment of melanoma by targeting tumor cell proliferation and angiogenesis. New Frontiers in Chemistry, 26(2)S2_OP5-S2_OP5, 2017.
11. Drotar D-M, Stejerean I, Rauca V-F, **Patras L**, Luput L, Sesarman A, Licarete E, Banciu M. Liposomal prednisolone phosphate enhanced the antitumor activity of liposomal doxorubicin in B16. F10 murine melanoma in vivo. New Frontiers in Chemistry, 26(2)S2_OP4-S2_OP4, 2017.
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