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Gender: Male **Nationality:** Romanian

ABOUT ME

I have a Ph.D. in Biology and I am working as a research assistant at the Center of Excellence in Translational Medicine, Fundeni Clinical Institute since 2013. During my doctoral training, I developed new skills in genomics research and molecular biology techniques in different types of cancers, including hepatocellular carcinoma, and pancreatic and gastric cancer. My research interest is in the field of genomics and molecular biology, with a focus on developing anticancer therapeutic strategies and improving clinical patient outcomes. I have been involved as a member in several national and international research projects regarding this research field (<https://cemt.ro/en/projects/>).

WORK EXPERIENCE

[08/2013 – Current]

Research Assistant

Fundeni Clinical Institute

City: Bucharest

Country: Romania

Processing of tissues and biological fluids, biobanking, biobank management and databases.

Specific DNA and RNA analysis techniques: extractions, purifications, qualitative and quantitative control of nucleic acids, electrophoresis, nucleic acid reverse transcription, PCR, Real-Time PCR.

Genomic analysis techniques: Microarray and Sequencing (Next Generation Sequencing, Sanger).

Elucidation of the biological function of some proteins: purification by chromatographic methods; electrophoretic separation in native and denaturing conditions;

immunodetection of proteins: ELISA, Western blot. Cell biology: cell cultures, obtaining primary cultures from human tumor and non-tumor specimens.

Bioinformatics and biostatistical methods: PC, MAC operation; graphics (MS Office, Corel Draw), data processing, GraphPad, GeneSpring, R software

EDUCATION AND TRAINING

[10/2023 – Current]

Postdoctoral fellowship

Carol Davila University of Medicine and Pharmacy

City: Bucharest

Country: Romania

[2015 – 2021] **Biology PhD degree**

University of Bucharest, Faculty of Biology, Doctoral School of Biology

City: Bucharest

Country: Romania

[2012 – 2014] **Master's degree**

University of Bucharest, Faculty of Biology, Doctoral School of Biology

City: Bucharest

Country: Romania

[10/2009 – 06/2012] **Bachelor of Science in Biology**

University of Craiova, Faculty of Horticulture and Agriculture, Biology section

City: Craiova

Country: Romania

[09/2005 – 06/2009] **High school diploma**

"Elena Cuza" National College, real profile, Natural Sciences specialization, Craiova

City: Craiova

Country: Romania

LANGUAGE SKILLS

Mother tongue(s): Romana

Other language(s):

English

LISTENING B2 READING C2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Microsoft Office: Word, Excel, Power Point, Outlook | GraphPad | System Biology analysis: Microarray expression, ArrayStar, GEO, Illumina and SNP analysis | GeneSpring software | R / R Studio / R Markdown

DRIVING LICENCE

Cars: B

PROJECTS

1. Member - PN-II-PT-PCCA 2011-3.2-1490, project title "Role Of S100A4 And MAP4K4 In Pancreatic Ductal Adenocarcinoma Progression".

Contract number 90/2012, Coordinator: Fundeni Clinical Institute, Project Director Prof. Dr. Irinel Popescu, Contracting Authority: UEFISCDI, Period: 2012-2015

2. Member - PN-II-RUTE-2014-4-2533, project title "Stratification of liver metastatic breast cancer patients according to risk of recurrence after hepatic resection based on miRNA signature".

Contract number 351/2015, Coordinator: Fundeni Clinical Institute, Contracting Authority: UEFISCDI, Project Director Dr. Nicolae Bacalbaşa, Period: 2015 – 2016

3. Member - EEA-JRP-Romania-Norway 4SEE/30.06.2014, title of the project Hepatocellular carcinoma stratification based on noninvasive markers".

EEA-JRP-Romania-Norway 4SEE/30.06.2014, Coordinator: Fundeni Clinical Institute, EEA Contracting Authority, Project Director Prof. Dr. Irinel Popescu, Period: 2014 – 2017

[2017 – 2018]

4. Member - PN-III-P2-2.1-PED-2016-1826, title of the project "Transcriptomic subtypes of hepatocellular cancer and their response to therapy".

Contract number 248PED/2017, Coordinator: Fundeni Clinical Institute, Contracting Authority: UEFISCDI, Project Director Prof. Dr. Liliana Pășlaru, Period: 2017 – 2018

[2018 – 2021]

5. Member - PN-III-P1-1.2-PCCDI-2017-0797, project title "Pathogenic mechanisms and personalized treatment in pancreatic cancer using multi-omic technologies".

Contract number 66PCCDI/2018, Coordinator: Fundeni Clinical Institute, Contracting Authority: UEFISCDI, Project Director Prof. Dr. Irinel Popescu, Period: 2018 – 2021

[2018 – 2022]

6. Member - PN-III-P4-ID-PCCF2016-0158, project title "Mechanisms and biomarkers of response and resistance to current targeted therapies in gastric cancer".

Contract number PCCF17/2018, Coordinator: Fundeni Clinical Institute, Contracting Authority: UEFISCDI, Project Director Prof. Dr. Irinel Popescu, Period: 2018-2022

7. Member- PN-III-P1-1.2-PCCDI-2017-0820, project title "New methods for pregnancy monitoring and pre-natal diagnosis"

Contract number 67PCCDI/2018, Coordinator: National Research Institute - Development for Microtechnology, Contracting Authority: UEFISCDI, CSI Project Director Dr. Monica Simion, Period: 2018 – 2020

8. Member- PN-III-P1-1.2-PCCDI2017-0833, project title "Multidisciplinary Consortium for Supporting Research Skills in Diagnosing, Treating and Identifying Predictive Factors of Malignant Gynecologic Disorders"

Contract number 68PCCDI/2018, Coordinator: National Institute for Mother and Child Health "Alessandrescu-Rusescu" (INSMC), Contracting Authority: UEFISCDI, Project Director Prof. Dr. Nicolae Suciu, Period: 2018 - 2021.

9. Member- PN-III-P1-1.2-PCCDI- 2017-0769, project title "Development of radiopharmaceuticals and nuclear techniques in oncology form imaging studies and personalized treatment at the molecular level"

Contract number 64PCCDI/30.04.2018, Coordinator: National Research Institute - Development for Physics and Nuclear Engineering "Horia Hulubei" - IFIN - HH, Contracting Authority: UEFISCDI, Project Director Dr. Mihai Ciubotaru, Period: 2018 - 2021

10. Member- PN-III-P2-2.1-PED2021-3180, project title "Development of a new technology to estimate the maturation of liver cells transdifferentiated in insulin-producing cells"

Contract number 629PED/2022, Coordinator: Fundeni Clinical Institute, Contracting Authority: UEFISCDI, Project Director Dr. Daniela Lixandru, Period: 2022-2024

11. Member- PN-III-P3-3.1-PM-RO-CN-2018-0209, project title "Prospective validation of angiogenic and inflammatory biomarkers of liver cancer recurrence after surgery"

Contract number 1BM/2018, Coordinator: Fundeni Clinical Institute, Contracting Authority: UEFISCDI, Project Director Prof. Dr. Irinel Popescu, Period: 2018-2019

ORGANISATIONAL SKILLS

Organizational capacity – I coordinated students who carry out experiments in our research laboratory, within the ongoing projects

COMMUNICATION AND INTERPERSONAL SKILLS

Good communication skills, useful in the case of national and international conferences where I gave speeches on the researched topics.

SCIENTIFIC EVENTS

Integrated RNAseq analysis reveals potential novel prognostic biomarkers in pancreatic ductal adenocarcinoma

Sorop A, Mjelle R, Iacob R, Ghionescu A, Herlea V, Dima S, Popescu I. Publicat în: *Editura Universitară*. ISBN: 978-606-28-1617-9. DOI: 10.5682/9786062816179. Human genomics and microbiome in the context of data federation: 2023 RoBioinfo Conference. București, România, 11-13 mai 2023. (<https://www.editurauniversitara.ro/medicina-33/human-genomics-and-microbiome-in-the-context-of-data-federation-robioinfo-conference-2023.html>)

Pathogenic KRAS mutations profile in pancreatic ductal adenocarcinoma.

Iacob R, Dima S, **Sorop A**, Manea I, Ionescu V, Spiridon A, Stoica B, Bunduc S, Chiosa A, Cazacu IM, Croitoru V, Chelaru R, Iacob S, Becheanu G, Dumbrava M, Herlea V, Croitoru A, Csiki IE, Ceafalan L, Popescu I, Gheorghe C. 1.*Gastroenterology* 164(6):S-802-S-803, Supplement, [https://doi.org/10.1016/S0016-5085\(23\)02860-3](https://doi.org/10.1016/S0016-5085(23)02860-3). 2023 Crohn's & Colitis Congress in Denver, Colorado, May 2023. ([https://www.gastrojournal.org/article/S0016-5085\(23\)02860-3/pdf](https://www.gastrojournal.org/article/S0016-5085(23)02860-3/pdf))

Soluble PD-L1 Level is Correlated with its Expression in Tissue and is Associated with Poor Overall Survival in Gastric Cancer

Chivu-Economescu M, Necula L, Matei L, Dragu D, Neagu AI, Bleotu C, **Sorop A**, Herlea V, Dima S, Popescu I and Diaconu C. 1.The 3rd Immuno-Oncology World Congress, November 2-3 2022, Copenhagen, Denmark. (<https://immuno-oncology2022.com/abstract-book/>)

Predictive value of exosomes for therapy response in resectable/borderline resectable pancreatic cancer patients

Cazacu IM, Croitoru VM, Paul D, Popa E, Matei I, Gheorghe C, Herlea V, Diculescu M, Bogdan D, Sandra I, Gramaticu IM, Luca NI, Dinu IM, Alexandrescu S, **Sorop A**, Croitoru AE, Dima S, Popescu I, Lyden D. 1.. *Annals of Oncology* 32:S1370-S1371; Supplement 6; Abstract 84TiP; DOI:10.1016/j.annonc.2021.08.2080. Molecular Analysis for Precision Oncology Virtual Congress, Electr Network, October 07-09, 2021. ([https://www.annalsofoncology.org/article/S0923-7534\(21\)04364-7/fulltext](https://www.annalsofoncology.org/article/S0923-7534(21)04364-7/fulltext))

Validation of a new scoring system for molecular subtyping of gastric cancer

Cazacu IM., Filippi A, Croitoru VM., Kitahara S, Matsui A, Lauwers G, **Sorop A**, Necula LG., Matei L., Pechianu C, Croitoru AE, Herlea V, Saftoiu A, Paul D, Chivu-Economescu M, Dima S, Duda DG, Popescu I. 1. *Annals of Oncology*, 32(6):S1356-S1356, Supplement 6, Abstract: 34P; DOI:10.1016/j.annonc.2021.08.2030. Molecular Analysis for Precision Oncology Virtual Congress, Electr Network, October 07-09, 2021.([https://www.annalsofoncology.org/article/S0923-7534\(21\)04315-5/fulltext](https://www.annalsofoncology.org/article/S0923-7534(21)04315-5/fulltext))

Prognostic significance of immune checkpoint molecule expression in resectable gastric adenocarcinoma

Croitoru VM, Filippi A, Cazacu IM, Kitahara S, Matsui A, Lauwers G, **Sorop A**, Necula LG, Matei L, Pechianu C, Croitoru AE, Herlea V, Saftoiu A, Chivu-Economescu M, Dima S, Duda DG, Popescu I. *Annals of Oncology*, 32(6):S1357-S1357, Supplement 6, Abstract: 37P, DOI: 10.1016/j.annonc.2021.08.2033. Molecular Analysis for Precision Oncology Virtual Congress, Electr Network, October 07-09, 2021. ([https://www.annalsofoncology.org/article/S0923-7534\(21\)04318-0/fulltext](https://www.annalsofoncology.org/article/S0923-7534(21)04318-0/fulltext))

Clinical implications of clonal hematopoiesis mutations in patients with solid tumors

Croitoru VM, Cazacu IM, Paul D, Colita A, Lungulescu CV, Herlea V, Luca NI, Bogdan D, Sandra I, Gramaticu IM, Buica F, Dinu MI, **Sorop A**, Dima S, Popescu I, Croitoru AE, Alina T. 1. *Annals of Oncology*, 32:S1370-S1371, Supplement 6, Abstract: 83TiP, DOI:10.1016/j.annonc.2021.08.2079. Molecular Analysis for Precision Oncology Virtual Congress, Electr Network, October 07-09, 2021 ([https://www.annalsofoncology.org/article/S0923-7534\(21\)04364-7/fulltext](https://www.annalsofoncology.org/article/S0923-7534(21)04364-7/fulltext))

E-Cadherin, N-Cadherin, and FOXA-2 Expression Levels Are Better Prognostic Markers in PDAC Than Overall EMT Status

Filippi A, **Sorop A**, Moise E, Chelaru R, Spiridon A, Chiosa A, Iacob R, Dima S, Popescu I. 1. *Pancreas* 50(7):p 1058-1058, DOI: 10.1097/MPA.0000000000001904. 52nd Meeting of the American Pancreatic Association, Miami Beach, Florida, November 3-6, 2021(https://journals.lww.com/pancreasjournal/fulltext/2021/08000/abstracts_of_papers_submitted_to_the_52nd_meeting.22.aspx)

Pancreatic Ductal Adenocarcinoma Genomic Profile Assessed by Deep Next Generation Sequencing of EUS-FNA Genomic DNA and cfDNA Samples

Gheorghe C, **Sorop A**, Varzaru B, Bunduc S, Manea I, Csiki I, Spiridon A, Constantinescu D, Iacob S, Becheanu G, Dumbrava M, Croitoru A, Dima S, Iacob R, Popescu I.1. *Pancreas* 50(7):p 1060-1061, DOI: 10.1097/MPA.0000000000001904. 52nd Meeting of the American Pancreatic Association, Miami Beach, Florida, November 3-6, 2021(https://journals.lww.com/pancreasjournal/fulltext/2021/08000/abstracts_of_papers_submitted_to_the_52nd_meeting.22.aspx)

Echoendoscopic guided fine needle aspiration versus circulating cell-free dna for genetic profiling of borderline and non-resectable pancreatic ductal adenocarcinoma

Bunduc S., Stoica B., Iacob R.A., **Sorop A.**, Manea I., Constantinescu D., Moise E., Dima L., Sirbu ,Pantazica A.M., Ghionescu A., Chelaru R., Becheanu G., Dumbrava M., Croitoru A., Dima S., Popescu I., Gheorghe C. OP124. UEG Journal 2020 (8):87. In cadrul United European Gastroenterology Week Virtual 2020. 10-13 Octombrie 2020.

FOXA2 expression is significantly associated with differentiation and prognostic features in pancreatic ductal adenocarcinoma

Iacob R, Uta M, Manea I, Iacob S, Florea, R, Ilie V, **Sorop A**, Moise E, Sirbu M, Gheorghe L, Gheorghe C, Ferber S, Dima S, Popescu I. 1.*Gastroenterology* 158(6):S-1137; Supplement 1, Abstract: Tu1612, [https://doi.org/10.1016/S0016-5085\(20\)33511-3](https://doi.org/10.1016/S0016-5085(20)33511-3). Crohn's and Colitis Congress, Austin, TX, January 23-25, 2020. (<https://www.sciencedirect.com/science/article/abs/pii/S0016508520335113>)

EUS FNA vs. ccfDNA for genetic profiling of borderline and non-resectable pancreatic ductal adenocarcinoma

Bunduc S, Varzaru B, Iacob R, **Sorop A**, Manea I, Constantinescu D, Moise E, Sirbu M, Pantazica A, Ghionescu A, Chelaru R, Becheanu G, M. Dumbrava M, Croitoru A, Dima S, Popescu I, Gheorghe C.*Pancreatology* 20:S37, <https://doi.org/10.1016/j.pan.2020.07.043>. 52nd meeting of the European Pancreatic Club combined with the International Association of Pancreatology. November 2020, online (<https://www.sciencedirect.com/science/article/abs/pii/S1424390320302593?via%3DiHub>)

The increasing role of molecular biology techniques in hepatology – liquid biopsy in 2019

Gheorghe L, Iacob R, **Sorop A.** The 39th National Congress of Gastroenterology, Hepatology and Digestive Endoscopy, 6-8 iunie 2019, Timișoara, România. Prezentare orală

Isolation and characterization of plasma derived extracellular vesicles from patients with chronic liver disease in screening for hepatocellular carcinoma

Sorop A, Iacob R, Chitoiu L, Fertig TE, Herlea V, Savu L, Dima S, Popescu I. Workshop – “Omics Technologies for Translational Medicine”. Nicolae Cajal Medical Research Institute, 14 noiembrie, 2019, București, România. Prezentare orală

Morphological characterization and specific detection of surface marker profiles of exosomes derived from hcc patients

Sorop A. Dima S, Iacob R, Constantinescu D, Savu L, Popescu I,, Academician Nicolae Cajal Symposium - 14th edition, 17-19 octombrie 2019, București, România. Poster.

Evaluation of tumor immune microenvironment to predict and guide immunotherapeutic response

Chivu-Economescu M, Matei L, Necula L, Dragu D, Neagu AI, **Sorop A**, Bleotu C, Dima S, Popescu I. XIII National Congress of Cytometry, Immunology session.. 16-18 December 2020, online. Prezentare orală.

Molecular classification of gastric cancer opens new opportunities into personalized treatment

Sîrbu M, **Sorop A**, Chivu-Economescu M, Dima L, Chiosa A, Dima S, Popescu I. "Academician Nicolae Cajal" Symposium - 14th edition, Romanian Academy Library. 17-19 octombrie 2019, București, România. 17-19 octombrie 2019, București, România.

Clinical significance of epithelial to mesenchymal transition molecular markers in pancreatic ductal adenocarcinoma

Iacob R, **Sorop A**, Pantazica AM, Manea I, Moise E, Ghionescu A, Sirbu M, Herlea V, Croitoru A, Gheorghe C, Dima S and Popescu I. The Third Translational Personalized Oncology Symposium, 10-12 mai, 2019, București, Romania.

Quantitative gene expression of transcription factors controlling epithelial to mesenchymal transition process in pancreatic ductal adenocarcinoma predicts time to tumor recurrence and patient's survival

Iacob R, **Sorop A**, Pantazica AM, Manea I, Ghionescu A, Constantinescu D, Herlea V, Croitoru A, Gheorghe C, Dima S, Popescu I. The 39th National Congress of Gastroenterology, Hepatology and Digestive Endoscopy, 6-8 Iunie 2019, Timisoara, Romania.

DNA isolation from pancreatic adenocarcinoma tissue obtained by fine needle aspiration

Iacob R, **Sorop A**, Pantazica AM, Manea I, Stoica B, Bunduc S, Ghionescu A, Constantinescu D, Dima S, Popescu I, Gheorghe C. The 39th National Congress of Gastroenterology, Hepatology and Digestive Endoscopy, 6-8 Iunie 2019, Timișoara, Romania. Poster

Isolation of cfDNA in patients with Pancreatic Adenocarcinoma.

Manea I, **Sorop A**, Stoica B, Bunduc S, Pantazica AM, Ghionescu A, Dima S, Popescu I, Iacob R, Gheorghe C. The 39th National Congress of Gastroenterology, Hepatology and Digestive Endoscopy, 6-8 June 2019, Timisoara, Romania. Poster

Molecular testing in PDAC diagnosed by EUS + FNA – preliminary results from Ph Thesis

Bunduc S, **Sorop A**, Manea I, Pantazica AM, Stoica B, Ghionescu A, Constantinescu D, Moise E, Sirbu M, Becheanu G, Dumbrava M, Dima S, Iacob R, Popescu I, Gheorghe C. Bucharest PancreaticFest, 6-7 Septembrie, 2019, București, Romania.

Pretherapeutic cfDNA isolation in patients with pancreatic ductal adenocarcinoma

Manea I, Iacob R, **Sorop A**, Stoica B, Bunduc S, Pantazica AM, Ghionescu A, Constantinescu D, Moise E, Sirbu M, Dima S, Popescu I, Gheorghe C. Academician Nicolae Cajal Symposium, 17-19 Octombrie, 2019, București, Romania. Poster

Preliminary data of microRNA expression patterns as target markers involved in HCC diagnostic

Sorop A, Dima S, Florea R, Matei I, Ilie V, Badea L, Iacob R, Savu L, Popescu I, Academician Nicolae Cajal Symposium of the Romanian Medical Sciences Academy - 13th edition, 22 - 24 martie 2018, București, România. Poster

Microarray analysis of microRNA expression for patients with hepatocellular carcinoma

Badea L, Dima S, **Sorop A**, Florea R, Ilie V, Tica V, Savu L, Bacalbasa N, Grigorie R, Alexandrescu S, Herlea V, Popescu I. Academician Nicolae Cajal Symposium of the Romanian Medical Sciences Academy, Translational research - Updates in Virology - 12th edition, 30 martie- 01 aprilie 2017, București, România. Prezentare orală

The significance of Sox2 expression in hepatocellular carcinoma occurring on liver cirrhosis

Iacob R, Popa C, Herlea V, Becheanu G, Nastase A, Ghetea L, Iacob S, **Sorop A**, Botea F, Badea L, Vogle AM, Dima S, Croitoru A, Gheorghe C, Ott H, Popescu I, Aloman C, Gheorghe L. Hepatology 2017; 66(Suppl1): 972A(1828). AASLD 2017, 20-24 octombrie 2017, Washington, USA. Poster

A comparison between primary culture of ovarian cancer cells derived from malignant ascites fluid and peritoneal node.

Constantinescu D, Lixandru D, **Sorop A**, Dima S, Bacalbasa N, Suci N, Popescu P. Simpozionul Academician Nicolae Cajal, 17-19 Octombrie 2019, Bucuresti, Romania. Poster.

Recipient PNPLA3 and TM6SF2 genotypes and risk of NAFLD following liver transplantation

Ester C, Cerban R, Iacob S, Iacob R, Constantin G, Pislaru L, **Sorop A**, Ghioca M, Savu L, Popescu I, Gheorghe L. Journal of Hepatology, volume 70, issue 1, supplement, e524. DOI: [https://doi.org/10.1016/S0618-8278\(19\)31037-0](https://doi.org/10.1016/S0618-8278(19)31037-0) . The International Liver Congress-EASL-NAFLD: experimental and pathophysiology. Poster presentations. Austria, Vienna,: 10-14 April

Gene expression profiling in tumoral and non-tumoral liver tissues

Sorop A, Dima S, Raluca Florea, Veronica Ilie, Valeria Tica, Liviu Badea, Lorand Savu, Irinel Popescu, Academician Nicolae Cajal Symposium of the Romanian Medical Sciences Academy, Translational research - Updates in Virology- 12th edition, 30 martie- 01 aprilie 2017, București, România. Poster

Exosomes extraction from plasma in patients with hepatocellular carcinoma

Sorop A, Cucu D, Florea R, Ilie V, Tica V, Mardare L, Dinischiotu A, Dima S, Popescu I., Congres Național al Asociației Medicale Române, 24 – 26 aprilie, 2016, București, România. Premiu-Diplomă de Excelență. Poster.

Molecular factors involved in β -catenin gene overexpression in pancreatic cancer

Botezatu A, Iancu IV, Anton G, Diaconu C, Florea R, Ilie V, **Sorop A**, Bacalbasa N, Tica V, Dima SO, Popescu I. *HPB* 2016, 18 (S1), e373, DOI: <https://doi.org/10.1016/j.hpb.2016.02.971>. 12th World Congress of the International Hepato-Pancreato-Biliary Association, 20-23 April 2016, São Paulo, Brazil ([https://www.hpbonline.org/article/S1365-182X\(16\)30988-1/fulltext](https://www.hpbonline.org/article/S1365-182X(16)30988-1/fulltext))

Deregulation B-Catenin Gene Expression in Pancreatic Cancer

Botezatu A, Iancu IV, Plesa A, Diaconu CC, Anton G, Florea R, Ilie V, **Sorop A**, Bacalbasa N, Tica V, Duda DG, Dima SO, Popescu I. *1.Pancreas* 44(8):p1362, DOI: 10.1097/MPA.0000000000000551. 46th Meeting of the American Pancreatic Association, November 4–7, 2015, San Diego, California (https://journals.lww.com/pancreasjournal/fulltext/2015/11000/abstracts_of_papers_submitted_to_the_46th_meeting.28.aspx)

Citostatic Dose Dependent Emt Transition As A Result Of Foxc1 Overexpression In Human Hepatocellular Carcinoma Cell Lines

R. Florea, V. Ilie, **A. Sorop**, V. Tica, L.Paslaru, N. Bacalbasa, R. Iacob, S. Dima, I. Popescu. The 10th Symposium „Acad. Nicolae Cajal” Journal Translational Medicine and Research 2015; 20 (suppl 2): S42. ISSN: 2392-7232. 1-4 aprilie 2015, București, Romania.

Prognostic and therapeutic significance of liver enriched transcription factor HNF4alpha expression in hepatocellular carcinoma

R. Iacob, S. Iacob, Nastase A., V. Ilie, **A. Sorop**, R. Florea, V. Herlea, A. Croitoru, S.Dima, C. Gheorghe, L. Gheorghe, M. Ott, I.Popescu. The 10th Symposium „Acad. Nicolae Cajal, Journal Translational Medicine and Research 2015; 20 (suppl 2): S42. 1-4 aprilie 2015, București, Romania.

The predictive role of S100A4 as a pro-metastatic factor in pancreatic ductal adenocarcinoma

Ilie VM, Tica V, Florea R, **Sorop A**, Ivan L, Uyy E, Suica VI, Antohe F, Bacalbasa N, Eftimie M, Nastase A, Herlea V, Diaconu C, Bleotu C, Botezatu A, Paslaru L, Duda D, Popescu I, Dima S. FEBS EMBO 2014 Conference, 30 august – 4 septembrie 2014, Paris, Franța. Poster

ARTICLES PUBLISHED IN ISI RATED JOURNALS

1. The pivotal role of EMT-related noncoding RNAs regulatory axes in hepatocellular carcinoma

Ghionescu AV, **Sorop A***, Dima SO. *Front. Pharmacol.* Volume 14 - 2023 | doi: 10.3389/fphar.2023.1270425. **IF= 5.9**

2. Soluble PD-L1 as a diagnostic and prognostic biomarker in resectable gastric cancer patients

Chivu-Economescu M, Herlea V, Dima S, **Sorop A**, Pechianu C, Procop A, Kitahara S, Necula L, Matei L, Dragu D, Neagu AI, Bleotu C, Diaconu CC, Popescu I, Duda DG. *Gastric Cancer* 2023. <https://doi.org/10.1007/s10120-023-01429-7>. **IF=7.4**

3. Endoscopic ultrasound-guided fine-needle aspiration pancreatic adenocarcinoma samples yield adequate DNA for next-generation sequencing: A cohort analysis

Bunduc S, Varzaru B, Iacob RA, **Sorop A**, Manea I, Spiridon A, Chelaru R, Croitoru AE, Becheanu G, Dumbrava M, Dima S, Popescu I, Gheorghe C. *World J Gastroenterol*. 2023 May 14;29(18):2864-2874. doi: 10.3748/wjg.v29.i18.2864. **IF= 5.374**

4. Collagen Family and Other Matrix Remodeling Proteins Identified by Bioinformatics Analysis as Hub Genes Involved in Gastric Cancer Progression and Prognosis

Chivu-Economescu M, Necula LG, Matei L, Dragu D, Bleotu C, **Sorop A**, Herlea V, Dima S, Popescu I, Diaconu CC. Collagen Family and Other Matrix Remodeling Proteins Identified by Bioinformatics Analysis as Hub Genes Involved in Gastric Cancer Progression and Prognosis. *Int J Mol Sci*. 2022 Mar 16;23(6):3214. doi: 10.3390/ijms23063214. **IF= 5.6**

5. The Association between TRP Channels Expression and Clinicopathological Characteristics of Patients with Pancreatic Adenocarcinoma

Chelaru NR, Chiosa A, **Sorop A**, Spiridon A, Cojocaru F, Domocos D, Cucu D, Popescu I, Dima SO. *Int J Mol Sci*. 2022 Aug 12;23(16):9045. doi: 10.3390/ijms23169045. **IF= 5.6**

6. Comparative RNA-Sequencing Analysis Reveals High Complexity and Heterogeneity of Transcriptomic and Immune Profiles in Hepatocellular Carcinoma Tumors of Viral (HBV, HCV) and Non-Viral Etiology

Paslaru L, Bindea G, Nastase A, **Sorop A**, Zimbru C, Herlea V, Hrehoret D, Brasoveanu V, Zamfir R, Dima S, Popescu I. *Medicina (Kaunas)*. 2022 Dec 7;58(12):1803. doi: 10.3390/medicina58121803. **IF=2.6**

7. Exosomal microRNAs as Biomarkers and Therapeutic Targets for Hepatocellular Carcinoma

Sorop A*, Constantinescu D, Cojocaru F, Dinischiotu A, Cucu D, Dima S. 2021. *International Journal of Molecular Sciences*. 22(9), 4997. **FI = 4.556**.

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LICENSES AND CERTIFICATES

edX Verified Certificate for Statistics and R

This is to certify that Andrei **Sorop** successfully completed and received a passing grade in PH525.1x: Statistics and R a course of study offered by HarvardX, an online learning initiative of Harvard University.

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