



## Andrei Șorop

**Muncă** : București, România

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**Gen:** Masculin **Cetățenie:** română

### DESPRE MINE

Sunt doctor in domeniul Biologiei si lucrez ca asistent de cercetare in cadrul Centrului de Excelență în Medicină Translațională, Institutul Clinic Fundeni din 2013. În timpul pregătirii mele doctorale, am dezvoltat noi abilități în cercetarea genomics și tehnici de biologie moleculară în diferite tipuri de cancer, inclusiv carcinomul hepatocelular, cancerul de pancreas și gastric. Interesul meu de cercetare este domeniul genomicii și biologiei moleculare, cu accent pe dezvoltarea de strategii terapeutice anticancer și îmbunătățirea rezultatelor clinice ale pacienților. Am fost implicat ca membru în mai multe proiecte de cercetare naționale și internaționale privind acest domeniu de cercetare (<https://cemt.ro/en/projects/>).

### EXPERIENȚA PROFESIONALĂ

[ 08/2013 – În curs ]

#### Asistent de cercetare științifică

##### *Institutul Clinic Fundeni*

**Localitatea:** București

**Țara:** România

Procesarea tesuturilor si a fluidelor biologice, biobancare, gestiune biobanca si baze de date.

Tehnici de analiză specifice ADN si ARN: extractii, purificari, control calitativ si cantitativ al acizilor nucleici, electroforeza, reverstranscriere acizi nucleici, PCR, Real-Time PCR, Tehnici de analize genomice: Microarray si Secventiere (Next Gneration Sequencing , Sanger).

Elucidarea funcției biologice a unor proteine: purificare prin metode cromatografice; separare electroforetică în condiții native și denaturante; imunodetecție a proteinelor: ELISA, Western blot. Biologie celulară: culturi celulare, obținerea de culturi primare din specimene tumorale și nontumorale umane.

Metode bioinformatică și biostatistice: operare PC, MAC; grafică (MS Office, Corel Draw), prelucrare date, GraphPad, GeneSpring, R software

### EDUCAȚIE ȘI FORMARE PROFESIONALĂ

[ 2015 – 2021 ]

#### Diploma de doctor - domeniul Biologie

##### *Universitatea din București, Facultatea de Biologie, Școala Doctorală de Biologie*

**Localitatea:** București

**Țara:** România

[ 2012 – 2014 ]

### Diplomă de master

*Universitatea din București, Facultatea de Biologie, Masterul Biochimie și Biologie moleculară*

Localitatea: București

Țara: România

[ 10/2009 – 06/2012 ]

### Diplomă de licență – Licențiat în Biologie

*Universitatea din Craiova, Facultatea de Horticultură și Agricultură, secția Biologie*

Localitatea: Craiova

Țara: România

[ 09/2005 – 06/2009 ]

### Diploma de bacalaureat

*Colegiul National „Elena Cuza”, profil real, specializarea Științele Naturii, Craiova*

Localitatea: Craiova

Țara: România

[ 10/2023 – În curs ]

### Studii postdoctorale

*Universitatea de Medicină și Farmacie Carol Davila*

Localitatea: București

Țara: România

## COMPETENȚE LINGVISTICE

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Limbă(i) maternă(e): Română

Altă limbă (Alte limbi):

**Engleză**

COMPREHENSIVNE ORALĂ B2 CITIT C2 SCRIS B2

EXPRIMARE SCRISĂ B2 CONVERSAȚIE B2

*Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat*

## COMPETENȚE DIGITALE

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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

## PERMIS DE CONDUCERE

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Autoturism: B

## PROIECTE

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**1. Membru - PN-II-PT-PCCA-2011-3.2-1490, titlul proiect "Role Of S100A4 And MAP4K4 In Pancreatic Ductal Adenocarcinoma Progression".**

Număr contract 90/2012, Coordonator: Institutul Clinic Fundeni, Director de proiect Prof. Dr. Irinel Popescu, Autoritatea contractantă: UEFISCDI, Perioada: 2012-2015

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

Număr contract 351/2015, Coordonator: Institutul Clinic Fundeni, Autoritatea contractantă: UEFISCDI, Director de proiect Dr. Nicolae Bacalbașa, Perioada: 2015 – 2016

**3. Membru - EEA-JRP-Romania-Norway 4SEE/30.06.2014, titlul proiectului Hepatocellular carcinoma stratification based on noninvasive markers".**

EEA-JRP-Romania-Norway 4SEE/30.06.2014, Coordonator: Institutul Clinic Fundeni, Autoritatea contractantă SEE, Director de proiect Prof. Dr. Irinel Popescu, Perioada: 2014 – 2017

[ 2017 – 2018 ]

**4. Membru - PN-III-P2-2.1-PED-2016-1826, titlul proiectului "Transcriptomic subtypes of hepatocellular cancer and their response to therapy".**

Număr contract 248PED/2017, Coordonator: Institutul Clinic Fundeni, Autoritatea contractantă: UEFISCDI, Director de proiect Prof. Dr. Liliana Pășlaru, Perioada: 2017 – 2018

[ 2018 – 2021 ]

**5. Membru - PN-III-P1-1.2-PCCDI-2017-0797, titlul proiectului "Pathogenic mechanisms and personalised treatment in pancreatic cancer using multi-omic technologies".**

Număr contract 66PCCDI/2018, Coordonator: Institutul Clinic Fundeni, Autoritatea contractantă: UEFISCDI, Director de proiect Prof. Dr. Irinel Popescu, Perioada: 2018 – 2021

[ 2018 – 2022 ]

**6. Membru - PN-III-P4-ID-PCCF2016-0158, titlul proiectului "Mechanisms and biomarkers of response and resistance to current targeted therapies in gastric cancer".**

Număr contract PCCF 17/2018, Coordonator: Institutul Clinic Fundeni, Autoritatea contractantă: UEFISCDI, Director de proiect Prof. Dr. Irinel Popescu, Perioada: 2018-2022

**7. Membru- PN-III-P1-1.2-PCCDI-2017-0820, titlul proiectului „New methods for pregnancy monitorization and pre-natal diagnosis”**

Număr contract 67PCCDI/2018, Coordonator: Institutul Național de Cercetare – Dezvoltare pentru Microtehnologie, Autoritatea contractantă: UEFISCDI, Director de proiect CSI Dr. Monica Simion, Perioada: 2018 – 2020

**8. Membru- PN-III-P1-1.2-PCCDI2017-0833, titlul proiectului „Multidisciplinary Consortium for Supporting Research Skills in Diagnosing, Treating and Identifying Predictive Factors of Malignant Gynecologic Disorders”**

Număr contract 68PCCDI/2018, Coordonator: Institutul Național pentru Sănătatea Mamei și Copilului „Alessandrescu-Rusescu”(INSMC), Autoritatea contractantă: UEFISCDI, Director de proiect Prof. Dr. Nicolae Suci, Perioada: 2018 – 2021.

**9. Membru- PN-III-P1-1.2-PCCDI- 2017-0769, titlul proiectului „Development of radiopharmaceutics and nuclear techniques in oncology form imagistic studies and personalized treatment at the molecular level”**

Număr contract 64PCCDI/30.04.2018, Coordonator: Institutul National De Cercetare – Dezvoltare pentru Fizica si Inginerie Nucleara “Horia Hulubei “- IFIN – HH, Autoritatea contractantă: UEFISCDI, Director de proiect Dr. Mihai Ciubotaru, Perioada: 2018 – 2021

**10. Membru- PN-III-P2-2.1-PED2021-3180, titlul proiectului „Development of a new technology to estimate the maturation of liver cells transdifferentiated in insulin-producing cells”**

Număr contract 629PED/2022, Coordonator: Institutul Clinic Fundeni, Autoritatea contractantă: UEFISCDI, Director de proiect Dr. Daniela Lixandru, Perioada: 2022-2024

**11. Membru- PN-III-P3-3.1-PM-RO-CN-2018-0209, titlul proiectului „Prospective validation of angiogenic and inflammatory biomarkers of liver cancer recurrence after surgery”**

Număr contract 1BM/2018, Coordonator: Institutul Clinic Fundeni, Autoritatea contractantă: UEFISCDI, Director de proiect Prof. Dr. Irinel Popescu, Perioada: 2018-2019

**COMPETENȚE ORGANIZATORICE**

Capacitate organizatorică – am coordonat masteranzi care își desfășoară experimente în laboratorul nostru de cercetare, din cadrul proiectelor aflate în desfășurare

**COMPETENȚE DE COMUNICARE ȘI INTERPERSONALE**

Competențe bune de comunicare, utile în cazul conferințelor naționale și internaționale unde am susținut discursuri despre subiectele cercetate.

**LUCRĂRI COMUNICATE ÎN MANIFESTĂRI ȘTIINȚIFICE**

**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](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. *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](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. *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 $\beta$ -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](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

## ARTICOLE PUBLICATE IN REVISTE COTATE ISI

### 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**.

## **8. Plasma Small Extracellular Vesicles Derived miR-21-5p and miR-92a-3p as Potential Biomarkers for Hepatocellular Carcinoma Screening**

**Sorop A\***, Iacob R, Iacob S, Constantinescu D, Chitoiu L, Fertig TE, Dinischiotu A, Chivu-Economescu M, Bacalbasa N, Savu L, Gheorghe L, Dima S, Popescu I. 2020. *Frontiers in Genetics*. 11:712. **FI = 3.258**.

## 9. Potential Circulating Biomarkers of Recurrence after Hepatic Resection or Liver Transplantation in Hepatocellular Carcinoma Patients

Duda DG, Dima SO, Cucu D, **Șorop A**, Klein S, Ancukiewicz M, Kitahara S, Iacob S, Bacalbasa N, Tomescu D, Herlea V, Tanase C, Croitoru A, Popescu I. 2020. *Cancers (Basel)*. 12(5):1275. FI= 5.968.

## 10. Comprehensive transcriptomic analyses of tissue, serum, and serum exosomes from hepatocellular carcinoma patients

Mjelle R, Dima SO, Bacalbasa N, Chawla K, **Șorop A**, Cucu D, Herlea V, Sætrom P, Popescu I. 2019. *BMC Cancer*. 19(1):1007. FI= 3.150

## 11. Prognostic factors in patients with surgical resection of pancreatic neuroendocrine tumours

Dima SO, Dumitrascu T, Pechianu C, Grigorie RT, Brasoveanu V, **Șorop A**, Lupescu I, Purnichescu-Purtan R, Croitoru A, Bacalbasa N, Tanase A, Tomescu DR, Herlea V, Popescu I. 2018. *Acta Endocrinol (Buchar)*.14(3):389-393. FI= 0.449

## 12. The Impact on the Long-term Outcomes of Hormonal Status After Hepatic Resection for Breast Cancer Liver Metastases

Bacalbasa N, Balescu I, Ilie V, Florea R, **Șorop A**, Brasoveanu V, Brezean I, Vilcu M, Dima S, Popescu I. 2018. *In Vivo*. 32(5):1247-1253. FI=1.609

## 13. Gene Expression of Hepatocellular Carcinoma Reveals Glypican-3 Role as Potential Biomarker

Nastase A, Bacalbasa N, Ilie V, Florea R, **Șorop A**, Tica V, Paslaru L, Iacob R, Grigorie R, Herlea V, Dima S, Popescu I. 2014. *Romanian Biotechnological Letters*. Vol. 19, No. 5; 9657-9665. FI = 0.56

**ARTICOLE PUBLICATE  
IN REVISTE DIN BAZE  
DE DATE INTERNAȚIO-  
NALE (BDI)**

## 1. An Observational Study of Circulating Plasma and Serum Insulin-Like Growth Factor 1 as Prognostic Biomarkers in Surgical Hepatocellular Carcinoma Patients

Kaseb A, Dima S, Pestana R, Ancukiewicz M, Cucu D, **Șorop A**, Florea R, Bacalbasa N, Tomescu D, Herlea V, Tanase C, Popescu I, Duda DG. 2018. *Surg. Gastroenterol. Oncol*. 2019;24(2):73-79

## 2. miRNA 200 Family Expression is a Strong Predictor for Recurrence Following Liver Resection for Breast Cancer Liver Metastases

Bacalbasa N, Balescu I, Ilie V, Florea R, **Șorop A**, Brasoveanu V, Vilcu M, Brezean I, Dima S, Popescu I. 2019. *Surg. Gastroenterol. Oncol*. 2019;24(1):15-21. *Journal of Translational Medicine and Research*

## 3. S100A4 and ERBB2 as Co-Factors in Pancreatic Cancer

Nastase A, Dima S, Tica V, Florea R, **Șorop A**, Ilie V, Eftimie M, Paslaru L, Herlea V, Bacalbasa N, Ivan L, Uyy E, Suica VI, Antohe F, Iancu IV, Plesa A, Botezatu A, Duda DG, Diaconu C. 2016. *Journal of Translational Medicine and Research*. 21(4):259-266

#### 4. Stimulatory and possible antioxidant effects of High Density Green Photons (HDGP) on cellular systems

Paslaru L, Nastase A, Stefan L, Florea R, **Sorop A**, Ionescu E, Popescu I, Comorasan S. 2014. *J Med Life*. 7(4):619-22. PMID: 25713633

#### LICENȚE ȘI ATESTATE

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##### 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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#### PATENTE

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**1. RO132002 (B1) - "Metodă de identificare a unor compuși cu activitate antitumorală pentru tratamentul individualizat al pacienților cu cancer pancreatic". Număr cerere de brevet: RO20160000927 20161128**

[https://ro.espacenet.com/publicationDetails/originalDocument?](https://ro.espacenet.com/publicationDetails/originalDocument?FT=D&date=20230228&DB=ro.espacenet.com&locale=ro_RO&CC=RO&NR=132002B1&KC=B1&ND=1)

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**2. RO135596 (A0) - "Metodă de chemosenzitivitate a răspunsului la tratamentul cu agenți chimioterapeutici-platformă pentru tratamentul personalizat al cancerului ovarian". Număr cerere de brevet: RO20210000562 20210920**

[https://ro.espacenet.com/publicationDetails/biblio?](https://ro.espacenet.com/publicationDetails/biblio?FT=D&date=20220330&DB=&locale=ro_RO&CC=RO&NR=135596A0&KC=A0&ND=4)

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