



Andrei-Alexandru Cosma

Nationality: Romanian

Gender: Male

Email address: cosma.andrei@umft.ro

Work: Eftimie Murgu Square No. 2, 300041. C. Porumbescu Str. No. 57-59, 300239., 300568
Timisoara (Romania)

WORK EXPERIENCE

OncoHelp - Oncology Center Timisoara - Timisoara, Romania

City: Timisoara | **Country:** Romania

Medical Oncologist

[05/05/2025 - Current]

1. Clinical activity mainly in the field of skin, neurological and lung cancers.
2. Sub-Investigator in several Clinical Trials (Melanoma, Lung cancer)

"Victor Babeş" University of Medicine and Pharmacy, Department of Microscopic Morphology/Histology - Timisoara, Romania

City: Timisoara | **Country:** Romania

Assistant professor

[21/09/2020 - Current]

1. Teaching - Medical Students Education in Histology
2. Research

Oncohelp Oncology Center - Timisoara, Romania

Address: C. Porumbescu Str. No. 59, 300239 Timisoara (Romania)

Oncology Resident Physician

[01/03/2020 - 15/02/2025]

1. Clinical Activity
2. Sub-Investigator in Several Clinical Trials

Timisoara Municipal Emergency Clinical Hospital - Timisoara, Romania

Address: Hector Str, No. 2 A, 300041 Timisoara (Romania)

Oncology Resident Physician

[01/02/2020 - 15/02/2025]

Clinical Activity

EDUCATION AND TRAINING

Philosophiae Doctor (PhD) - Medicine

"Victor Babeş" University of Medicine and Pharmacy [01/10/2019 - 30/09/2025]

City: Timisoara | **Country:** Romania | **Website:** www.umft.ro | **Field(s) of study:** Health and welfare: • Medicine | **Level in EQF:** EQF level 8 | **NQF Level:** 8 | **Thesis:** Clinical and tisular factors with impact on clear cell renal cell carcinoma prognosis and metastasis

Medical Doctor

"Victor Babeş" University of Medicine and Pharmacy [23/09/2013 - 05/07/2019]

City: Timisoara | **Country:** Romania | **Website:** www.umft.ro
Psycho-Pedagogical Training Study Programme

West University of Timisoara [05/10/2020 - 12/07/2021]

City: Timisoara | **Country:** Romania | **Website:** www.uvt.ro

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** C1

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

French

LISTENING B1 **READING** B1 **WRITING** A2

SPOKEN PRODUCTION A2 **SPOKEN INTERACTION** A2

Spanish

LISTENING A1 **READING** A1 **WRITING** A1

SPOKEN PRODUCTION A1 **SPOKEN INTERACTION** A1

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

SKILLS

Zoom / Microsoft Powerpoint / Microsoft Word

PUBLICATIONS

[2025]

Site-Specific Inflammatory Signatures in Metastatic NSCLC: Insights from Routine Blood Count Parameters

Authors: Vlad-Norin Vornicu, Alina Gabriela Negru, Razvan Constantin Vonica, Andrei-Alexandru Cosma, Sorin Saftescu, Mihaela Maria Pasca Fenesan, Anca Maria Cimpean | **Journal Name:** Medicina | **Volume, Issue and Pages:** Medicina Volume 61 Issue 9 10.3390/medicina61091521

[2025]

Tissue Prognostic Markers for Clear Cell Renal Cell Carcinoma Tumor-stroma Interaction: Impact on TNM Staging Parameters

Authors: ANDREI ALEXANDRU COSMA*, ALINA GABRIELA NEGRU*, OVIDIU CATALIN FERICIAN, MIHAELA MARIA PASCA FENESAN, VLAD VORNICU, ADELA MARIA FERICIAN, EUGEN MELNIC and ANCA MARIA CIMPEAN | **Journal Name:** Anticancer Research | **Volume, Issue and Pages:** ANTICANCER RESEARCH 45: 2401-2416 (2025) doi: 10.21873/anticancer.17612

[2025]

Predictive Factors for Multiple Metastases of Clear-cell Renal Cell Carcinoma

Authors: ANDREI-ALEXANDRU COSMA*, ALINA GABRIELA NEGRU*, OVIDIU CATALIN FERICIAN, MIHAELA MARIA PASCA FENESAN, VLAD VORNICU, ADELA MARIA FERICIAN, EUGEN MELNIC and ANCA MARIA CIMPEAN | **Journal Name:** Anticancer Research | **Volume, Issue and Pages:** ANTICANCER RESEARCH 45: 2365-2375 (2025) doi: 10.21873/anticancer.17609

[2024]

Heterogeneity of the Alpha-Smooth Muscle Actin Tumor Score in Breast Cancer Cells Significantly Affects Tumor Invasiveness, Recurrence, and Patient Survival (PDF) Heterogeneity of the Alpha-Smooth Muscle Actin Tumor Score in Breast Cancer Cells Significantly Affects Tumor Invasiveness, Recurrence, and Patient Survival

Authors: Mihaela-Maria Pasca Fenesan · Andrei Alexandru Cosma · Eugen Melnic · Anca Maria Cimpean · Gabriel Veniamin Cozma · Alina Gabriela Negru | **Journal Name:** Cureus | **Volume, Issue and Pages:** Cureus 16(12): e75908. DOI 10.7759/cureus.75908

[2024]

Combining RNAscope, Immunohistochemistry (IHC) and Digital Image Analysis to Assess Podoplanin (PDPN) Protein and PDPN_mRNA Expression on Formalin-Fixed Paraffin-Embedded Normal Human Placenta Tissues (PDF) Combining RNAscope, Immunohistochemistry (IHC) and Digital Image Analysis to Assess Podoplanin (PDPN) Protein and PDPN_mRNA Expression on Formalin-Fixed Paraffin-Embedded Normal Human Placenta Tissues

Authors: Larisa Cristina Tomescu, Andrei Alexandru Cosma, Mihaela Pasca Fenesan, Eugen Melnic, Vergil Petrovici, Simona Sarb, Monica Chis, Ioan Sas, Domenico Ribatti, Anca Maria Cimpean and Florica Ramona Dorobantu | **Journal Name:** Current Issues in Molecular Biology | **Volume, Issue and Pages:** Curr. Issues Mol. Biol. 2024, 46, 5161–5177

[2024]

Exploring vasculogenesis in the normal human kidney and clear cell renal cell carcinoma: insights from development to tumor progression and biomarkers for therapy response Andrei Alexandru Cosma, Mihaela Pasca Fenesan, Alexandru Nesiu, Eugen Melnic, Adela Maria Ferician, Ovidiu Catalin Ferician, Emil Ceban, Simona Sarb, Anca Maria Cimpean. *Front. Oncol.*, 30 April 2024. *Sec. Molecular and Cellular Oncology*

[2024]

Validation of Human Bone Marrow-derived Mesenchymal Stem Cells and MCF-7 Breast Cancer Cells Co-culture Using a 3D Perfused Biomimetic Microfluidic Platform Anca Maria Cimpean, Serban Comsa, Adrian Sturza, Alina Cristina Barb, Andrei Alexandru Cosma, Mihaela Pasca Fenesan, Corneliu Ionescu, Alice Maria Ile, Simona Sarb, Monica Chis. *Anticancer Res.* 2024 Apr; 44(4):1441–1453. doi: 10.21873/anticancerres.16940.

[2024]

Artificial Intelligence (AI) Based Analysis of In Vivo Polymers and Collagen Scaffolds Inducing Vascularization Enrica Raffaella Grazia Salvante, Anca Voichita Popoiu, Alina Cristina Barb, Andrei Alexandru Cosma, Mihaela Pasca Fenesan, Amulya K Saxena, Tudor Alexandru Popoiu, Eugen Sorin Boia, Maria Corina Stanculescu, Borislav Dusan Caplar, Florica Ramona Dorobantu, Anca Maria Cimpean. *In Vivo* 2024 Mar–Apr;38(2):620–629. doi: 10.21873/invivo.13481.

[2023]

Age, Sex, Metabolic and Pharmacologic Factors May Predict Nonresponse Status to Rheumatoid Arthritis Therapies LILIAN A BORDEAN, MONICA CHIS, ANCA MARIA CIMPEAN, ALINA CRISTINA BARB, ANDREI ALEXANDRU COSMA, MIHAELA PASCA FENESAN, OVIDIU SIMION COTOI, LAURA NICOLESCU, CRISTIAN MIRCEA, *In Vivo*, Vol 37, (5) 2387–2401

[2023]

Chloride Intracellular Channel Protein 1 Expression and Angiogenic Profile of Liver Metastasis of Digestive Origin Amalia Raluca Ceausu, Alexandru Ciolofan, Alexandru Blidisel, Andrei Alexandru Cosma, Pusa Nela Gaje and Octavian Cretu *Curr. Issues Mol. Biol.* 2023, 45, 1396–1406. <https://doi.org/10.3390/cimb45020091>

[2023]

The Molecular Profile of the Urothelial Carcinoma of the Prostate Cosma AA, Ceausu AR, Gaje NP, Barb A, Nastase VN, Mederle OA and Raica M. *Open Access Journal of Urology & Nephrology (OAJUN)* ISSN :2578–4676

[2022]

The Mutually Mediated Chloride Intracellular Channel Protein1 (CLIC1) Relationship between Malignant Cells and Tumor Blood Vessel Endothelium Exhibits a Significant Impact on Tumor Angiogenesis, Progression, and Metastasis in Clear Cell Renal Cell Carcinoma (ccRCC) Adela Maria Ferician, Ovidiu Catalin Ferician, Alexandru Nesiu, Andrei Alexandru Cosma, Borislav Dusan Caplar, Eugen Melnic, and Anca Maria Cimpean *Cancers* 2022, 14(23), 5981; <https://doi.org/10.3390/cancers14235981>

[2022]

Anti-chloride Intracellular Channel Protein 1 (CLIC1) Antibodies Induce Tumour Necrosis and Angiogenesis Inhibition on In Vivo Experimental Models of Human Renal Cancer Andrei Dan Radu–Cosnita, Alexandru Nesiu, Patricia Lorena Berzava, Simona Cerbu, Andrei Cosma, Serban Comsa, Simona Sarb, Adela Maria Ferician, Ovidiu Catalin Ferician, Anca Maria Cimpean *Anticancer Res.* 2022 Mar;42(3):1313–1325. doi: 10.21873/anticancerres.15599.

[2021]

Assessment of Nerve Repair Augmented with Adipose-Derived Mast Cells in an Animal Model *Appl. Sci.* 2021, 11(20), 9465; <https://doi.org/10.3390/app11209465>

Vlad Bloanca, Horia Haragus, Anca–Maria Campean, Andrei Cosma, Tiberiu Bratu, Zorin Crainiceanu

[2020]

THE PURKINJE CELLS – A THROWBACK IN TIME

[2017]

CEREBELLUM DEVELOPMENTAL CHALLENGES: FROM MORPHOLOGY TO MOLECULAR ISSUES Andrei Cosma, Amalia Raluca Ceaușu, Andreea Adriana Jitariu, Andrei Dragoș Cumpănaș, Rodica Heredea Research and Clinical Medicine, 2017, Vol. 1, Nr. 2

DRIVING LICENCE

Driving Licence: B

CONFERENCES AND SEMINARS

[07/02/2017 – 08/02/2017] Timisoara
Students as peer tutors and mentors

[27/04/2017 – 29/04/2017] Krakow
The 25th international medical students conference Oral Presentation: Cerebellum developmental challenges: from morphology to molecular issues.

[27/10/2017 – 28/10/2017] Timisoara
Timisoara histology days

[19/04/2018 – 22/04/2018] Bucharest
MEDICS International Congress POSTER: **PDGF pathway gene expression heterogeneity in renal cell carcinomas. Andrei Alexandru Cosma**, Andrei Cumpănaș, Ariana Barmayoun, Alina Toma, Valeria Țârlui, Marius Raica, Anca Maria Cîmpean POSTER: **A rare case of multicystic mesenteric lymphangiona. The role of immunohistochemistry in developing specific treatment.** Valeria Țârlui, Rodica Heredea, Simona Cerbu, Amalia Raluca Ceaușu, Alina Toma, Andrei Cumpănaș. **Andrei Cosma**, Anca Maria Cîmpean.

[20/02/2020 – 23/02/2020] Timisoara
"IMUNOTERAPIA CANCERULUI"-Winter School Conference

[01/07/2021 – 04/07/2021] Timisoara
"IMUNOTERAPIA CANCERULUI"-Winter School Goes Summer Conference

[20/06/2022 – 23/06/2022] Bucharest
Oncology Summer School

[30/06/2022 – 03/07/2022] Timisoara
"IMUNOTERAPIA CANCERULUI"-Winter School Goes Summer Again Conference Clinical Case presentation

[12/10/2022 – 15/10/2022] Craiova
Microscopic Morphology National Symposiun POSTER: **Mast cell reaction in skin neoplastic lesions.** Pușă Nela Gaje, Amalia Raluca Ceaușu, Cristian Suciu, **Andrei Cosma**, Marius Raica.

[23/11/2022 – 26/11/2022] Iasi
CONFER-Conference

[31/01/2023 – 03/02/2023] Brussels
International Conference on VASCULAR ANOMALIES POSTER: **CHLORIDE INTRACELLULAR CHANNEL PROTEIN 1 (CLIC1) AN UNDERESTIMATE MARKER FOR BLOOD VESSELS ENDOTHELIUM.** Anca Maria Cimpean, Alina Barb, Patricia Lorena Berzava, **Andrei Cosma**, Mihaela Pașca Feneșan, Corina Maria Stănciulescu, Borislav Dusan Caplar, and Rodica Elena Heredea. POSTER: **Preliminary Evidence for VEGF Pathway Gene Expression Profile Heterogeneity in Proliferating versus Involuting Infantile Hemangiomas.** Anca Maria Cimpean, Alina Barb, **Andrei Cosma**, Mihaela Pașca Feneșan, Corina Maria Stănciulescu, Rodica Elena Heredea.

[11/05/2023 – 13/05/2023] Berlin
ESMO Breast Cancer Conference

[13/05/2023 – 16/05/2023] Istanbul

25th European Congress of Endocrinology, Istanbul, Turkey POSTER: **Characteristics of follicular-stellate cells in newborn pituitary gland.** Valeria Nicoleta Nastase , Alina Barb , **Andrei Cosma** , Amalia Raluca Ceausu, Marius Raica

[15/06/2023 – 18/06/2023] Timisoara

"IMUNOTERAPIA CANCERULUI"-Summer School Conference Oral Presentation

[29/09/2023 – 30/09/2023] Zurich

ESMO Preceptorship on Immuno-Oncology

[12/10/2023 – 14/10/2023] Poiana Brasov

SNOMR National Congress

[20/10/2023 – 23/10/2023] Madrid

ESMO Congress 2023 POSTER: **Tertiary lymphoid structures (TLS) presence and stromal blood vessels heterogeneity differentially influence recurrence, lymphovascular, and perineural invasion in breast cancer molecular subtypes.** **Andrei Alexandru Cosma**, Alina Cristina Barb, Serban Negru, Mihaela Maria Pasca Fenesan, Anca Maria Cimpean

[02/11/2023 – 05/11/2023] Cluj-Napoca

The 34th Congress of the Romanian Society of Radiotherapy and Medical Oncology

[09/11/2023 – 11/11/2023] Lisbon

ABC7 International Consensus Conference POSTER: **IMMUNOHISTOCHEMISTRY AND DIGITAL IMAGE ANALYSIS OF BREAST CANCER ASSOCIATED FIBROBLASTS' PLASTICITY AND THEIR INTERACTIONS WITH STROMAL COMPONENTS AND CLINICO-PATHOLOGIC.** Mihaela-Maria Pasca-Fenesan, **Andrei-Alexandru Cosma**, Alina Cristina Barb, Serban Mircea Negru, Anca Maria Cimpean

[05/02/2024 – 06/02/2024] Erlangen

2nd International CAM Conference POSTER: **Biomaterials vascularization: because even blood vessels need good interior design!** Cimpean Anca Maria, Tudor Alexandru Popoiu, Enrica Raffaella, Grazia Salvante ,**Andrei-Alexandru Cosma**, Alina Barb, Mihaela Pasca Fenesan

[20/03/2024 – 23/03/2024] Prague

European Lung Cancer Congress

[29/03/2024 – 31/03/2024] Brasov

Novartis National Event POSTER: Clinical Case-Management in adjuvant melanoma

[08/05/2024 – 11/05/2024] Bucharest

Stop Cancer Symposium

[16/05/2024 – 18/05/2024] Sibiu

NATIONAL SCIENTIFIC FORUM OF ROMANIAN YOUNG ONCOLOGISTS POSTER: EIGHTEEN YEARS OLD BOY WITH A PRIMARY MEDIASTINAL YOLK SAC TUMOR: A CASE REPORT WITH PARTICULAR FEATURES**Andrei-Alexandru Cosma**; Mihaela Pașca-Fenesan; Vlad-Norin Vornicu; Diana Moldoveanu; Anca Maria Cîmpean; Serban Negru

[13/09/2024 – 17/09/2024] Barcelona

ESMO Congress

[20/11/2024 – 23/11/2024] Iasi

CONFER

[06/12/2024 – 08/12/2024] Berlin

MPNEhubs 2024 - Advanced Melanoma

[03/04/2025 – 05/04/2025] Athens

21st EADO Congress & 11th World Congress of Melanoma

[23/04/2025 – 26/04/2025] Bucharest

STOP Cancer Symposium

[19/06/2025 – 22/06/2025] Timisoara

OncoHelp Summer School Conference Clinical case presentation about IO in SCC of the Skin

[27/06/2025 – 28/06/2025] Bucharest

A VIII-a editie a Conferintei Nationale a Asociatiei Melanom Romania- Impreuna putem salva vieti 2025 Oral presentation about the latest ESMO and ASCO guidelines in melanoma

[06/09/2025 – 10/09/2025] Vienna

37th European Congress of Pathology POSTER: Prognostic tissue markers for clear cell renal cell carcinoma tumor–stroma interaction: influence on TNM staging criteria. A.M. Cimpean, **A.A. Cosma**, M.M. Pasca–Fenesan, E. Melnic

VOLUNTEERING

[01/10/2015 – 01/07/2019] Timisoara

VOLUNTARY STUDENT (JUNIOR RESEARCHER) - Department of Microscopic Morphology/Histology, Angiogenesis Research Center,” Victor Babeş” University of Medicine and Pharmacy

Microscopic and molecular heterogeneity of human cerebellar cortex during development

COMMUNICATION AND INTERPERSONAL SKILLS

ASCENDIS DIPLOMA

Presentation Skills Diploma, due to an oral presentation about **Normal and Tumoral Angiogenesis** – 24 Mar 2024, Baile Herculane