



Andrei-Alexandru Cosma

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Email: cosma.andrei@umft.ro **Phone:** (+40) 0720391494

Gender: Male **Date of birth:** 21/03/1993 **Nationality:** Romanian

ABOUT ME

Life is short! Make it count!

WORK EXPERIENCE

[15/02/2025]

Medical Oncologist

[01/02/2020 - 15/02/2025] **Oncology Resident Physician**

Oncohelp Oncology Center

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

1. Clinical Activity
2. Sub-Investigator in Several Clinical Trials
3. Specialty exam: NOV 2024 - Final grade 9,53 out of 10

[21/09/2020 - Current]

Assistant professor

"Victor Babeș" University of Medicine and Pharmacy, Department of Microscopic Morphology/Histology

City: Timisoara | **Country:** Romania

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

EDUCATION AND TRAINING

[23/09/2013 - 05/07/2019]

Medical Doctor

"Victor Babeș" University of Medicine and Pharmacy www.umft.ro

City: Timisoara | **Country:** Romania |

[01/10/2019 - Current]

PhD Studies

"Victor Babeș" University of Medicine and Pharmacy www.umft.ro

City: Timisoara | **Country:** Romania |

[05/10/2020 - 12/07/2021]

PSYCHO-PEDAGOGICAL TRAINING STUDY PROGRAMME

West University of Timisoara www.uvt.ro

City: Timisoara | **Country:** Romania |

[17/04/2021 - Current]

Good Clinical Practice

NIDA Clinical Trials Network

City: Online |

DIGITAL SKILLS

My Digital Skills

Zoom | Microsoft Powerpoint | Microsoft Word

LANGUAGE SKILLS

Mother tongue(s): Romanian

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

French

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

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

CONFERENCES AND SEMINARS

- [07/02/2017 – 08/02/2017] **Students as peer tutors and mentors** Timisoara
- [27/04/2017 – 29/04/2017] **The 25th international medical students conference** Krakow
- Oral Presentation: Cerebellum developmental challenges: from morphology to molecular issues.
- [27/10/2017 – 28/10/2017] **Timisoara histology days** Timisoara
- [19/04/2018 – 22/04/2018] **MEDICS International Congress** Bucharest
- 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] **"IMUNOTERAPIA CANCERULUI"-Winter School Conference** Timisoara
- [01/07/2021 – 04/07/2021] **"IMUNOTERAPIA CANCERULUI"-Winter School Goes Summer Conference** Timisoara
- [20/06/2022 – 23/06/2022] **Oncology Summer School** Bucharest
- [30/06/2022 – 03/07/2022] **"IMUNOTERAPIA CANCERULUI"-Winter School Goes Summer Again Conference** Timisoara
- Clinical Case presentation
- [12/10/2022 – 15/10/2022] **Microscopic Morphology National Symposium** Craiova
- 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] **CONFER-Conference** Iasi
- [31/01/2023 – 03/02/2023] **International Conference on VASCULAR ANOMALIES** Brussels
- 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] **ESMO Breast Cancer Conference** Berlin

[13/05/2023 – 16/05/2023] **25th European Congress of Endocrinology, Istanbul, Turkey** Istanbul

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] **"IMUNOTERAPIA CANCERULUI"-Summer School Conference** Timisoara

Oral Presentation

[29/09/2023 – 30/09/2023] **ESMO Preceptorship on Immuno-Oncology** Zurich

[12/10/2023 – 14/10/2023] **SNOMR National Congress** Poiana Brasov

[20/10/2023 – 23/10/2023] **ESMO Congress 2023** Madrid

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] **The 34th Congress of the Romanian Society of Radiotherapy and Medical Oncology** Cluj-Napoca

[09/11/2023 – 11/11/2023] **ABC7 International Consensus Conference** Lisbon

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] **2nd International CAM Conference** Erlangen

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] **European Lung Cancer Congress** Prague

[29/03/2024 – 31/03/2024] **Novartis National Event** Brasov

POSTER: Clinical Case-Management in adjuvant melanoma

[08/05/2024 – 11/05/2024] **Stop Cancer Symposiun** Bucharest

[16/05/2024 – 18/05/2024] **NATIONAL SCIENTIFIC FORUM OF ROMANIAN YOUNG ONCOLOGISTS** Sibiu

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; Serban Negru; Anca Maria Cîmpean

ASCENDIS DIPLOMA

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

DRIVING LICENCE

Cars: B

PUBLICATIONS

Exploring vasculogenesis in the normal human kidney and clear cell renal cell carcinoma: insights from development to tumor progression and biomarkers for therapy response

[2024]

Andrei Alexandru Cosma, Mihaela Pasca Fenesan, Alexandru Nesiu, Eugen MelnicAdela Maria Ferician, Ovidiu Catalin Ferician, Emil Ceban, Simona Sarb, Anca Maria Cimpean. *Front. Oncol.*, 30 April 2024

Sec. Molecular and Cellular Oncology

[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

Larisa Cristina Tomescu, **Andrei Alexandru Cosma**, Mihaela Pasca Fenesan, Eugen Melnic, Vergil Petrovici, Simona Sarb, Monica Chis, Ioan Sas, Domenico Ribatti, Anca Maria Cimpean, Florica Ramona Dorobantu. *Curr. Issues Mol. Biol.* 10.3390/cimb4606031

[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

LILIANA 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

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)

[2022]

Adela Maria Ferician, Ovidiu Catalin Ferician, Alexandru Nesi, Andrei Alexandru Cosma, Borislav Dusan Caplar, Eugen Melnic, and Anca Maria Cimpean Cancers 2022, 14(23), 5981; <https://doi.org/10.3390/cancers14235981>

Anti-chloride Intracellular Channel Protein 1 (CLIC1) Antibodies Induce Tumour Necrosis and Angiogenesis Inhibition on In Vivo Experimental Models of Human Renal Cancer

[2022]

Andrei Dan Radu-Cosnita, Alexandru Nesi, 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.

Assessment of Nerve Repair Augmented with Adipose-Derived Mast Cells in an Animal Model

[2021]

Reference: Vlad Bloanca, Horia Haragus, Anca-Maria Campean, Andrei Cosma, Tiberiu Bratu, Zorin Crainiceanu

Appl. Sci. 2021, 11(20), 9465; <https://doi.org/10.3390/app11209465>

[2020]

THE PURKINJE CELLS – A THROWBACK IN TIME

Reference: Andrei Cosma, Research and Clinical Medicine, 2020, Volume IV, Issue I

CEREBELLUM DEVELOPMENTAL CHALLENGES: FROM MORPHOLOGY TO MOLECULAR ISSUES

[2017]

Andrei Cosma, Amalia Raluca Ceaușu, Andreea Adriana Jitariu, Andrei Dragoș Cumpănaș, Rodica Herdea Research and Clinical Medicine, 2017, Vol. 1, Nr. 2

VOLUNTEERING

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

[01/10/2015 – 01/07/2019]

Timisoara

Microscopic and molecular heterogeneity of human cerebellar cortex during development