



## Andrei-Alexandru Cosma

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**Email:** [cosma.andrei@umft.ro](mailto: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

[ 01/02/2020 – Current ]

#### Oncology Resident Physician

*Timisoara Municipal Emergency Clinical Hospital*

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

Clinical Activity

[ 01/03/2020 – Current ]

#### 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

[ 21/09/2020 – Current ]

#### Assistant professor

*"Victor Babeş" 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 Babeş" University of Medicine and Pharmacy* [www.umft.ro](http://www.umft.ro)

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

[ 01/10/2019 – Current ]

#### PhD Studies

*"Victor Babeş" University of Medicine and Pharmacy* [www.umft.ro](http://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](http://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

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**Mother tongue(s):** Romanian

**Other language(s):**

**English**

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

**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

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- [ 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** Kracow  
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 Symposiun** Craiova  
POSTER: **Mast cell reaction in skin neoplastic lesions.** Pușă Nela Gaje, Amalia Raluca Ceaușu, Cristian Suci, **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 Cîmpean, Alina Barb, Patricia Lorena Berzava, **Andrei Cosma**, Mihaela Pașca Feneșan, Corina Maria Stănculescu, 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

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DRIVING LICENCE

Cars: B

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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 Nesi, 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

**Validation of Human Bone Marrow-derived Mesenchymal Stem Cells and MCF-7 Breast Cancer Cells Co-culture Using a 3D Perfused Biomimetic Microfluidic Platform**

[ 2024 ]

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.

**Artificial Intelligence (AI) Based Analysis of In Vivo Polymers and Collagen Scaffolds Inducing Vascularization**

[ 2024 ]

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.

**Age, Sex, Metabolic and Pharmacologic Factors May Predict Nonresponse Status to Rheumatoid Arthritis Therapies**

[ 2023 ]

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

**Chloride Intracellular Channel Protein 1 Expression and Angiogenic Profile of Liver Metastasis of Digestive Origin**

[ 2023 ]

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

[ 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

**VOLUNTEERING**

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**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