

Vaduva Adrian Ovidiu



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Professional experience

February 2021 - Present

Lecturer in Pathology

Universitatea de Medicina si Farmacie V. Babes, Timisoara, P-ta Eftimie Murgu nr. 2

September 2018 – February 2021

Assistant professor in Pathology

Universitatea de Medicina si Farmacie V. Babes, Timisoara, P-ta Eftimie Murgu nr. 2

February 2018 – September 2018

Associate Assistant professor in Pathology

Universitatea de Medicina si Farmacie V. Babes, Timisoara, P-ta Eftimie Murgu nr. 2

25.02.2013 – ianuarie 2018

Assistant professor in Pathology

Universitatea de Medicina si Farmacie V. Babes, Timisoara, P-ta Eftimie Murgu nr. 2

- Sustinere de lucrari practice pentru studentii anului III Medicina Generala, English Division si an II Medicina Dentara, sectiile romana si engleza

01.10.2011-25.02.2013

Associate Assistant professor in Pathology

Universitatea de Medicina si Farmacie V. Babes, Timisoara, P-ta Eftimie Murgu nr. 2

- Sustinere de lucrari practice pentru studentii anului III Medicina Generala, sectiile română și engleza, an II Medicina Dentara, secțiile română și engleză

August 2020 - Present

Pathology specialist

Spitalul Clinic Judetean de Urgenta „Pius Branzu” Timisoara

2009-2012

Pathology resident

Spitalul Clinic Municipal de Urgenta Timisoara

15.01.2011-15.07.2011

Clinical Observer

Hammersmith Hospital, Londra, UK

2007-2009

Pathology resident

Spitalul Clinic C.I. Parhon Iasi

Education

2017-2018

Program de formare psihopedagogică – nivelul I și II

Universitatea de Vest din Timișoara

2011 - 2017 **PhD studies – Doctor in Medicine**
 Universitatea de Medicina si Farmacie „Victor Babes” Timisoara
 Doctoral thesis: Personal contributions to the implementation and development of confocal microscopy in the University of Medicine and Pharmacy Victor Babes Timisoara
 Magna cum Laude, OMEN nr. 5701/27.12.2017

2012 - prezent **Specialist MD - Pathology**

1999-2005 **MD degree**

Universitatea de Medicina si Farmacie „Victor Babes Timisoara – Facultatea de Medicina,

Foreign languages	UNDERSTANDING		SPEAKING		WRITING
	HEARING	READING	CONVERSATIONAL	ORAL SPEECH	
English	C1	C1	C1	C1	C1
Germana	B2	B2	B2	B2	B2

Niveluri: A1/2: Utilizator elementar - B1/2: Utilizator independent - C1/2: Utilizator experimentat
 Cadrul european comun de referință pentru limbi străine

SCIENTIFIC ACTIVITY

CONFERENCES

7-12.04.2008 Eurogynpath – Targu Mures, Romania
 29.09-10.10.2008 Urologic Pathology – Targu Mures, Romania
 28-31.01.2009 Intraepithelial and borderline lesions in pathology – Timisoara, Romania
 23-28.02.2009 Postgraduate Course in diagnostic gynecologic pathology – Targu Mures, Romania
 1-9.06.2009 Endocrine Pathology – Targu Mures, Romania
 16-20.11.2009 21-st Annual Current concepts in surgical pathology – Boston, USA
 21-22.11.2009 Cytopathology for the practicing pathologist – Boston, USA
 07-13.06.2010 The 5-th National Conference on Gynecological Pathology, Targu Mures, Romania
 24-25.03.2011 Renal Pathology Course for Nephrologists - London, UK
 27-29.05.2011 Selected topics in bone and soft tissue tumors – Timisoara, Romania
 09.2011 Biomarkers involved in the diagnosis, evaluation of prognosis and therapeutic management in prostate cancer
 10.11-12.11.2011 The third national dermatopathology symposium – Timisoara, Romania
 28.02-03.03.2012 Masterclass on Scientific Publications – Timisoara, Romania
 08.06-10.06.2012 Recent advances in Lung and GI Pathology 2012, Timisoara, Romania
 02.06-04.06.2013 Recent advances in Gynecologic, Urologic and Soft Tissue Pathology 2013, Timisoara, Romania
 10.06-17.06.2013 Digital image processing/analysis tools in Light Microscopy: From the basics and beyond - Hellenic Pasteur Institute Athens
 12.06-14.06.2014 Recent Advances in Cytopathology, Dermatopathology and Hematopathology 2014, Timisoara, Romania
 07.05-10.05.2015 Clasic si Modern in Fiziopatologie – Congresul National al Societatii Romane de Fiziopatologie – Iasi, Romania
 27.05-30.05.2015 49-th Annual Scientific Meeting of the European Society for Clinical Investigation, Cluj-Napoca, Romania
 17.09-19.09.2015 Recent advances in Immunohistochemistry, Head and Neck, Bone and Soft Tissue Pathology – Timisoara, Romania
 25.05-28.05.2016 European Congress on Digital Pathology- Berlin, Germania
 08.09-10.09.2016 Recent Advances In Genitourinary, Gastrointestinal And Skin Pathology – Timisoara, Romania
 17.11-20.11.2016 Optics, Algos and Ice – Obergurgl, Austria
 24.05-27.05.2017 Al XV-lea Simpozion National de Morfologie Microscopica cu Participare Internationala – Baile Felix, Romania
 21.09-23.09.2017 Recent Advances In Gynecologic, Lung And Breast Pathology – Timisoara, Romania
 07.09-09.09.2017 The Conference of the Romanian Society of Pathophysiology – Cluj-Napoca,

Romania

- 27.09-29.09.2018 Recent Advances in Bone and Soft Tissue Pathology – Timisoara, Romania
- 02.11-03.11.2018 AI XI-lea Curs International Patologia Sistemului Digestiv – Bucuresti, Romania
- 26.09-28.09.2019 Recent Advances in Gastrointestinal, Genitourinary, Perinatal and Placental Pathology – Timișoara, Romania
- 06.12-07.12.2019 Zilele Anatomice Timisorene
- 05.11-07.11.2020 AI 13-lea Simpozion National de Patologie si Sesiunea Stiintifica Anuala a Institutului National de Patologie “Victor Babes” - online
- 06.11-07.11.2020 13th Course of Digestive Pathology - online
- 06.12-08.12.2020 32nd Congress of the European Society of Pathology Brussels (live streaming)

AFFILIATION

Timpath Association - President
 Renal Pathology Society – Regular Member
 European Society of Pathology – Regular Member
 Romanian Society of Morphology – Regular Member
 European Society of Digital Pathology – Regular Member

PRIZES

GOLDEN MEDAL – Salonul International de Inventii și Inovații Traian Vuia Timișoara 2019
 (pentru invenția Dispozitiv și metodă pentru crioincluderea materialului tisular în vederea examinării microscopice)
SPECIAL PRIZE - Salonul International de Inventii și Inovații Traian Vuia Timișoara 2019
 (pentru invenția Dispozitiv și metodă pentru crioincluderea materialului tisular în vederea examinării microscopice)
Diplomă pentru calitatea tezei de doctorat și contribuțiile aduse la dezvoltarea Universității de Medicină și Farmacie Victor Babeș din Timișoara
Diploma of excellence – Medalia Inventica 2020 – Device and method for cryoinclusion of tissue material for microscopic examination – Iasi, 29-31 iulie 2020
Diploma de excelenta si Medalia de Aur – Salonul International al cercetarii stiintifice, inovarii si inventicii Pro Invent, editia XVIII, 18-20 Noiembrie 2020 Cluj Napoca
Subprogram 1.1 - Resurse Umane - Premiera rezultatelor cercetarii - brevete, Competitia 2019 - PN-III-P1-1.1- PRECBVT-2019- 2091 - DISPOZITIV SI METODA PENTRU CRIOINCLUDERE A MATERIALULUI TISULAR IN VEDEREA EXAMINARII MICROSCOPICE

SCHOLARSHIPS

Workshop Zinc imaging Applications - Zinc Imaging for Zinc-Net COST action TD1304 (2014)
STSM (Short Term Scientific Mission) COST acțiun TD0901 at **Medizinische Fakultät der Universität Duisburg-Essen, Institut für Physiologie, Essen (DE)** (COST-STSM-TD0901-14818)
ERA-EDTA Short term fellowship – kidney biopsy training (January 2011-July 2011 at Hammersmith Hospital London, UK)

Practical abilities

Brightfield, fluorescence, confocal microscopy, immunohistochemistry, immunofluorescence, TMA, digital pathology

9 years experience in organizing a yearly pathology event, last edition with 238 participants from Romania and abroad

IT skills

Advanced PC user

Member in research teams (grants)

Parteneriate în cercetarea fundamentală inovativă - PIII-C5-PCFI-2017/2018-01, Director de proiect Conf. Univ. Dr. Adrian Sturza – UMFVBT

List of published papers (2017-2021)

1. **Vaduva, A.O.**, Serban, C.L., Lazureanu, C.D., Cornea, R., Vita, O., Gheju, A., Jurescu, A., Mihai, I., Olteanu, E.G., Lupu, V., Alexandra, P., Cornianu, M., Mureșan, A., Taban, S. and Dema, A.L. (2020), **Three-Dimensional Virtual Pathology Specimens: Decrease in Student Performance upon Switching to Digital Models**. Anatomical Sciences Education. 2020 Dec 14. doi: 10.1002/ase.2041. PMID: 33319472. FI= 3.759.
2. **Văduva AO**, Glămeanu C, Negrea R, Muntean MD, Dema ALC **In vivo confocal microscopy quantification of reactive oxygen species: a working model in rat kidney**. Rom J Morphol Embryol. 2017;58(3):953-960, ISSN 2066-8279; IF=0.912
3. Alis Liliana Carmen Dema, Sorina Taban, Aura Jurescu, Adelina-Roxana Gheju, **Adrian Ovidiu Vaduva**, Ciprian Constantin Duta, Octavian Fulger Lazar **Paving the way to tumor budding assessment using digital pathology: a pilot study in Timisoara City (Romania)** Rom J Morphol Embryol 2018, 59(3):703-713, ISSN 2066-8279; IF=1.5
4. Sturza A, **Văduva A**, Uțu D, Rațiu C, Pop N, Duicu O, Popoiu C, Boia E, Matusz P, Muntean DM, Olariu S. **Vitamin D improves vascular function and decreases monoamine oxidase A expression in experimental diabetes**. Mol Cell Biochem. Volume 453, Issue 1–2, pp 33–40. doi: 10.1007/s11010-018-3429-2
5. Jurescu A., **Văduva A.**, Tăban S., Gheju A., Olteanu G., Mihai I., Lăzureanu C., Cornianu M., Lazăr F. and Dema A. **Poorly differentiated clusters: prognostic significance in colorectal carcinomas**. Polish Journal of Pathology, 2019, 70(4): 235-245, <https://doi.org/10.5114/pjp.2019.93125>; FI=0.903.
6. Sturza A, Olariu S, Ionica M, Duicu OM, **Vaduva A**, Boia E, Muntean DM, Popoiu C **Monoamine oxidase is a source of oxidative stress in obese patients with chronic inflammation**. Can J Physiol Pharmacol. 2019 May 3. doi: 10.1139/cjpp-2019-0028. [Epub ahead of print] IF=2,210
7. Laura Elena Cirligeriu, Adrian Tudor Stan, Mihai Rominu, Adrian Marinescu, Marius Boariu, **Adrian Vaduva**, Meda Lavinia Negrutiu, Cosmin Sinescu, Virgil-Florin Duma, Luminita Nica **Evaluation of biodentine: tooth structures interfaces using laser scanning confocal microscopy**. SPIE Proceedings Volume 10831, Seventh International Conference on Lasers in Medicine; 108310Q (2018) <https://doi.org/10.1117/12.2282652>
8. Felicia Elena Mitroi, Cosmin Sinescu, Corina Marcauteanu, Danina Muntean, Meda Lavinia Negrutiu, Eniko Tunde Stoica, Florin Topaza, Adrian Stan, **Adrian Vaduva**, Virgil-Florin Duma **Confocal laser scanning microscopy versus digital microscopy in the analysis of the marginal adaptation of Tizian overlays**. SPIE Proceedings Volume 10831, Seventh International Conference on Lasers in Medicine; 108310N (2018) <https://doi.org/10.1117/12.2282427>
9. Stan, AT, **Vaduva, A**, Negrutiu, ML, Sinescu, C, Szuhaneck, C, Rogobete, A, Muntean, D, Talpos, S, Duma, VF, Idorasi, L, Hajaj, T, Rominu, M **Evaluation of Dental Composite Resin Interface and Adhesion Using Laser Scanning Confocal Microscopy**, MATERIALE PLASTICE 2018 Volume: 55 Issue: 4 Pages: 541-544 IF=1,248
10. Mihaela Ionica, Oana M Aburel, **Adrian Vaduva**, Alexandra Petrus, Sonia Rațiu, Sorin Olariu, Adrian Sturza, Danina M Muntean **Vitamin D alleviates oxidative stress in adipose tissue and mesenteric vessels from obese patients with subclinical inflammation** Can j Physiol Pharmacol. 2020. 98(2):85-92 IF:2,21
11. Adrian Emil Lazarescu, Dan Grigore Cojocar, Mihaela Boanca, Bogdan Gheorghe Hoge, Bogdan Corneliu Andor, **Adrian Vaduva**, Danina Muntean, Adriana Cojocar, Jenel Marian Patrascu, Jenel Marian Patrascu Jr **New Evidence Supporting Joint Preservation Procedures of the Hip A confocal microscopy study of the femoral head** (2019) Revista de chimie 70(10):3561-3563
12. Adrian Emil Lăzărescu, **Adrian Ovidiu Văduva**, Gheorghe Bogdan Hoge, Cristian Croicu, Jenel Marian Pătrașcu Jr, Pompiliu Horațiu Petrescu, Bogdan Corneliu Andor, Mirela Danina Muntean, Jenel Marian Pătrașcu **Comparing PRP and bone marrow aspirate effects on cartilage defects associated with partial meniscectomy: a confocal microscopy study on animal model** Rom J Morphol Embryol 2021 62(1):263-268
13. Anca Marcu, Diana Nitusca, **Adrian Vaduva**, Flavia Baderca, Natalia Cireap, Dorina Coricovac, Cristina Adriana Dehelean, Edward Seclaman, Razvan Ilina, Catalin Marian **Long Non-Coding RNA Expression in Laser Micro-Dissected Luminal A and Triple Negative Breast Cancer Tissue Samples—A Pilot Study** Medicina 57(4):371