



Greta-Ionela Bărbulescu

Nationality: Romanian

Date of birth: 20/06/1992

Gender: Female

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WORK EXPERIENCE

University Teaching Assistant, Department V, Practical Clinical Skills

University of Medicine and Pharmacy "Victor Babeș" [21/09/2020 – Current]

City: Timișoara

Country: Romania

Resident Cardiology Physician

Cardiovascular Disease Institute [01/01/2018 – Current]

City: Timișoara

Country: Romania

University Teaching Assistant, Department V, Practical Clinical Skills

University of Medicine and Pharmacy "Victor Babeș" [26/09/2019 – 30/06/2020]

City: Timișoara

Country: Romania

EDUCATION AND TRAINING

PhD student at Immunology – Research Project "Innovative biotechnology for generation of functional cardiac tissue"

University of Medicine and Pharmacy "Victor Babeș" [01/10/2018 – Current]

Address: Timișoara (Romania)

Training programme for teaching skills – Level I and II postgraduate (Medicine)

Vest University

Address: Timișoara (Romania)

Doctor of General Medicine

University of Medicine and Pharmacy "Victor Babeș" [09/2011 – 07/2017]

Address: Timișoara (Romania)

Baccalaureate Diploma

National College of Informatics "Traian Lalescu" [09/2007 – 06/2011]

Address: Hunedoara (Romania)



LANGUAGE SKILLS

Mother tongue(s): **Romanian**

Other language(s):

English

LISTENING C1 READING C1 WRITING C1
SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

German

LISTENING A2 READING B1 WRITING B1
SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

Spanish

LISTENING B2 READING B2 WRITING A2
SPOKEN PRODUCTION B1 SPOKEN INTERACTION B1

French

LISTENING A2 READING A2 WRITING A2
SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

DIGITAL SKILLS

Microsoft Microsoft Word Microsoft PowerPoint Microsoft Excel Microsoft Outlook / Google (Google Meet, Google Docs, Google Classroom, Google Forms, Google Drive, Google Slide) / Experience in video conferencing (Zoom, Skype) / Internet, E-mail and Social Media

COMMUNICATION AND INTERPERSONAL SKILLS

Communication skills

Ability to adapt to multicultural environments through exchanges of professional experience during university studies.

Good communication skills obtained as a result of voluntary activities (red cross-certificate, medical caravans).

CONFERENCES AND SEMINARS

Invited Speaker at the National Congress of Cardiology, Imaging Corner Session

[Sinaia, Romania, 19/09/2019]

Diagnostic and therapeutic dilemma in a case of chronic progressive dyspnea

[09/2018]

Bărbulescu G-I, Andor M, Velcean L, Pescariu AS, Stefanovici A, Tomescu MC. The diagnostic and therapeutic dilemma in a case of chronic progressive dyspnea. 57th Edition of the National Congress of Cardiology, September 2018, Sinaia, Romania.

Infectious Endocarditis with streptococcus gallolyticus

[09/2018]

Cochera F, Pop D, **Bărbulescu G-I**, Ștefanovici A, Căruntu F, Andor M, Buda V, Tomescu MC. Infectious Endocarditis with streptococcus gallolyticus. 57th Edition of the National Congress of Cardiology, September 2018, Sinaia, Romania.

HONOURS AND AWARDS

First prize at the session „Young Investigator Award”

57th Edition of the National Congress of Cardiology [09/2018]

Innovative biotechnology for generation of functional cardiac tissue. **Bărbulescu G-I**, Ordodi V, Bojin F, Păunescu V.

Travel Award at the Poster Session

“DAP-Development, Anatomy and Pathology”, European Society of Cardiology, Malaga [16/10/2019]

Innovative biotechnology for generation of cardiac tissue using an animal model. **Bărbulescu G-I**, Ordodi V, Bojin F, Păunescu V.



PUBLICATIONS

Optimization of Complete Rat Heart Decellularization Using Artificial Neural Networks

[2022]

Barbulescu, G.I.; Buica, T.P.; Goje, I.D.; Bojin, F.M.; Ordodi, V.L.; Olteanu, G.E.; Heredea, R.E.; Paunescu, V. Optimization of Complete Rat Heart Decellularization Using Artificial Neural Networks. *Micromachines* 2022, 13, 79. <https://doi.org/10.3390/mi13010079>

Innovative Biotechnology for Generation of Cardiac Tissue

[2021]

Barbulescu, G.I.; Bojin, F.M.; Ordodi, V.L.; Goje, I.D.; Buica, T.P.; Gavriiliuc, O.I.; Baderca, F.; Hoinoiu, T.; Paunescu, V. Innovative Biotechnology for Generation of Cardiac Tissue. *Appl. Sci.* 2021, 11, 5603. <https://doi.org/10.3390/app11125603>

Human Induced Pluripotent Stem Cells-Derived Cardiomyocytes for Cardiac Applications

[2019]

Barbulescu GI, Bojin F, Ordodi V, Anghel S, Gavriiliuc O, Paunescu V. Human Induced Pluripotent Stem Cells-Derived Cardiomyocytes for Cardiac Applications. *Fiziologia - Physiology* • 2019.29.1(97)

Experimental Electrophysiological Device for the Appreciation of the Cardiac Systolic Function – A Pilot Study

[2019]

Ordodi V, Matiu-lovan L, **Barbulescu G**, Bonciog D, Nistor D, Crisnic D, Tanasie G. Experimental Electrophysiological Device for the Appreciation of the Cardiac Systolic Function – A Pilot Study. *Fiziologia - Physiology* • 2019.29.2(98)

Modified Langendorff Device For Rat Heart Decellularization

[2019]

Bonciog D, Matiu-lovan L, **Barbulescu G**, Burian C, Goje D, Buica P, Paunescu V, Ordodi V. Modified Langendorff Device For Rat Heart Decellularization. *Fiziologia - Physiology* • 2019.29.2(98)

ORGANISATIONAL SKILLS

Conference coordinator

Organizational experience obtained through involvement in the organizing committees of the various scientific events (coordinator of the national conference "HEART-Healthcare, Education and Research talk", EMSA Timișoara, Romania, 2016)

DRIVING LICENCE

Driving Licence: B

HOBBIES AND INTERESTS

Expert piano player

NETWORKS AND MEMBERSHIPS

European Society of Cardiology

Romanian Society of Cardiology