

OPINION

from
Prof. Dr. Yoto Trifonov Yotov, PhD
Department of Cardiology, First Department of Internal Medicine,
Faculty of Medicine, Medical University "Prof. Dr. Paraskev Stoyanov", Varna

Member of the Scientific Jury, appointed by Order No. R-109-269/25.05.2023 of Prof. Dr. Valentin Ignatov, PhD - Rector of the Medical University "Prof. Dr. Paraskev Stoyanov", Varna.

Regarding: Competition for the academic position of PROFESSOR in the field of higher education 7 Health care and sports, by professional direction 7.1 Medicine and scientific specialty "Cardiology" for the needs of the First Department of Internal Diseases, Faculty of Medicine at MU-Varna and First Clinic of Cardiology at UMBAL "St. Marina"-Varna.

Brief information about the contest

By order No. R-109-269/25.05.2023 of the Rector of the University of Varna, in connection with decision No. 3/15.05.2023 of the Faculty Council of the Faculty of Medicine of the University of Varna, I have been elected as a member of the jury for a contest for Professor announced in the State Gazette no. 28/28.03.2023. According to Protocol No. 1 of the Scientific Jury from 08.08.2023, I am appointed to prepare an opinion. Assoc. Dr. Maria Negrinova Negreva, MD, PhD is the only candidate in the contest. The procedure for announcing the contest is in accordance with the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria/05.05.2018 and the Regulations for the Development of the Academic Staff at the MU-Varna/21.11.2022.

Brief details of the applicant

Assoc. Dr. Maria Negrinova Negreva completed her higher education in 2006 at the MU "Prof. Dr. P. Stoyanov"-Varna. After obtaining the educational qualifying degree Master of Medicine, from 2006 to 2008 she worked as a resident in the First Clinic of Cardiology with ICU at UMBAL "St. Marina"-Varna. In 2008, she was selected as an assistant professor in internal medicine at the First Department of Internal Medicine, Faculty of Medicine, a position she held until 2016. In 2013, she acquired the clinical specialty of Cardiology.

From 2016 to the present, she holds the academic position of "Associate Professor" in Cardiology at the First Department of Internal Medicine, and since 2018 he is the head of the educational sector of Cardiology in the same department.

Acquired specialties and postgraduate qualifications

2013 Cardiology
2013. Echocardiography - Fundamental Level

2017. Echocardiography - expert level

Specializations:

- 03. 2007 specialization in Cardiology,
Ospedale Niguarda Ca' Granda di Milano, Milano
- 02. 2008 specialization in echocardiography,
I Medizinische Klinik, Universitätsklinikum Augsburg,
under the supervision of Prof. Dr. Ludwig von Scheidt
- 06.2008 basic course in electrocardiostimulation
- 09.2008-03.2009 specialization in echocardiography,
I Medizinische Klinik, Universitätsklinikum Augsburg,
under the supervision of Prof. Dr. Ludwig von Scheidt
- 04.2010 echocardiography course at National Cardiology Hospital

Projects:

"Investigation of the application of new mathematical methods for the analysis of cardiac data",
financed by the "Scientific Research" Fund, MES (KP-06-H22/5 of 07.12.2018)

"Circulating Histone Proteins as Biomarkers of Disease (CHiP-BiD)", financed by the
"Scientific Research" Fund, MES (KP-06-DV/4 of 15.12.2021)

Experience

Dr. Maria Negreva has been dedicated to Cardiology for 10 years.

In terms of professional qualification, she fulfills the requirements for Professor.

Research activity

Dr. Maria Negreva obtained the Educational and scientific degree DOCTOR in Cardiology in 2015 after a successfully defended dissertation on the topic: "Dynamics in the oxidative status in patients with paroxysmal atrial fibrillation", and in 2022 - the scientific degree DOCTOR OF SCIENCES in Cardiology after the dissertation work "Paroxysmal atrial fibrillation - early changes in the coagulation and fibrinolytic system" .

In the current competition, the candidate presents the following scientific production - 15 scientific works (out of a total of 82 presented):

- Dissertation for the educational and scientific degree "doctor" - a total of **50** points.
- Dissertation work for the scientific degree "Doctor of Sciences" - **100** pts in total.
- Monography with a total volume of 186 pages on the topic: " Platelets - fundamental and clinical projections." Varna: PC Clinic - 2023, **100 pts in total.**
- Publications:

A. To fulfil the minimal state requirements under the 2018 Law and Regulations MU-Varna/ 2022 : a total of **202.5 points.**

- WOS or Scopus database: full text – 3, abstracts in scientific publications – 1, **total 4 (135 points)**. Of them, with Impact factor - 2, total IF 79,913.
- In non-refereed peer-reviewed journals or published in edited collective volumes - full text - 8 , **a total of 8 (67 points) .**

- Chapter of a collective monograph - 0 items.
- B. Articles in non-refereed journals with scientific review beyond the required minimum state requirements - 8, a total of **116 points**.
- Obtained scientific degree "Doctor of Sciences" - a total of **40 points**.
- Publications from previous contests that are not reviewed – 35.
- Participation in international events - a total of 41, of which 17 are international. After holding the Academic Degree "Associate Professor" and the "Doctor of Sciences" degree, Assoc. Prof. Negreva participated in 10 congresses.
- Published university textbook or textbook that is used in the school network - 1, total **6.67** points.
- Number of citations: a total of **60**, of which 37 in articles referenced or indexed by world-famous databases, 2 in monographs and collective volumes with scientific review, 21 in non-refereed journals with scientific review - a total of **680 points**.

Prof. Negreva is an independent author in 6 publications, first author in 1, second author in 2 and third and subsequent in 15 of the scientific works.

The activity under this indicator covers many times over the minimum state requirements according to the Law and of the Regulations of MU-Varna for acquiring the academic position of Professor.

Scientific achievements and contributions

The main scientific interests of Prof. Maria Negreva are in the field of cardiology in 7 main areas:

- 1. the study of coagulation and fibrinolytic indicators, as well as indicators of platelet activity, in patients with paroxysmal atrial fibrillation (*Publication No. 1, 3 and 4, Indicator D7; Indicator E13; habilitation work, Indicator B3*).**
- 2. investigation of the application of mathematical methods to the analysis of cardiac data (*Publication No. 2, Indicator D7; Publication No. 5, Indicator D8*)**
- 3. study of echocardiographic indicators and serum levels of NT- proBNP in patients with an implanted dual-chamber pacemaker DDDR (*Publication No. 1 , Indicator D8*)**
- 4. Nursing care of patients with cardiovascular disease (*Publication No. 2 and 3, Indicator D8*)**
- 5. Neurological complications after open heart surgery (*Publication No. 4, Indicator D8*)**
- 6. investigation of endodontic pathology in patients with cardiovascular disease (*Publication No. 6, Indicator D8*)**
- 7. assessment of hemodynamic characteristics at high normal arterial pressure by impedance-cardiography and capillaroscopy (*Publication No. 7, Indicator D8*)**

She is a section editor of the journal Scripta Scientifica Medica, participates in the Editorial Board of the journals Thrombosis and hemostasis: Research, Journal of blood disorders, Merit Res. J Med. Med. Sci. Journal reviewer for Clinical and applied thrombosis and hemostasis, Scripta Scientifica Medica.

Prof. Negreva is a member of the Society of Cardiologists in Bulgaria, ESC, EACVI, EAPCI, ACVC. Member of the Board of Directors of the BLS - Varna .

Teaching and learning activity

Prof. Maria Negreva was elected as a full-time assistant professor at the Department of Internal Diseases, Educational and scientific sector of Cardiology and Rheumatology in 2008, since 2016 she has been an associate professor at the Department of Internal Diseases, Department of Cardiology and Rheumatology, Varna University of Medical Sciences, and since 2018 she has been the head of the Department of Cardiology and Rheumatology, Varna University of Medical Sciences.

A report on the academic activities during the past 4 years shows an average academic employment of 113.75 hours (from 101 to 144 hrs) with practical exercises and lectures with training of Bulgarian- and English-speaking medical students, pre-graduate internship, as well as theoretical training of cardiology specialists.

Prof. Negreva is the supervisor of four enrolled doctoral students in cardiology and Nursing.

According to this indicator, she fulfills the minimum requirements according to Law and the Regulations for academic development of MU-Varna.

In conclusion:

Assoc. Dr. Maria Negrinova Negreva is a trained professional in the field of cardiology, with in-depth knowledge and skills, especially in the field of non-invasive diagnostic methods in cardiology, rhythm disorders, especially atrial fibrillation, coagulation and fibrinolytic processes, with excellent professional training and proven qualities. She has extensive teaching experience and is respected by her students and colleagues. Her scientific output is sufficient in volume, covers well above the minimum state requirements and shows a variety of interests, the publications are in journals of different nature. She fully meets the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria and the Regulations for the Development of the Academic Staff at the University of Varna. This gives me reason to recommend to the esteemed members of the scientific jury to vote positively for awarding the academic position of "**Professor**" to Assoc. Prof. Dr. Maria Negrinova Negreva, PhD, DSc.

18.07.2023


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/Prof. Dr. Yoto Trifonov Yotov, MD/