

STATEMENT

By Prof. Dr. Snezhanka Tomova Tisheva - Gospodinova, MD, FESC

Head of the Department of Cardiology, Pulmonology and Endocrinology at MU Pleven

Member of the scientific jury, appointed by the order of the Rector of MU - Varna № R-109-269/25.05.2023

Subject: Competition for the academic position "Professor", Health and Sport, professorial field 7.1 Medicine and scientific specialty "Cardiology", at the Faculty of Medicine, First Department of Internal Medicine, Board "Cardiology" and First Clinic of Cardiology of the University Hospital "St. Marina" EAD - Varna, according to the announcement in the State Gazette, issue 28 of 28.03.2023

The competition shall be conducted in compliance with the requirements of the Law on the Acquisition of Scientific Degrees and Academic Positions at the Medical University - Varna

The documents for participation in the competition were submitted by Assoc. Prof. Dr. Maria Negrinova Negrava, MD, PhD, First Department of Internal Medicine, Board of Cardiology - MU- Varna, who is the only applicant in the current competition.

I have found no violations in the course of the competition so far. I declare that I have no scientific works in common with the applicant and my participation in the present scientific jury does not give rise to any conflict of interest. I have found no evidence of plagiarism or implausibility in the submitted material.

A. Data from the professional biography

Assoc. Prof. Dr. Maria Negrinova Negrava graduated in 2000 from the First Language High School with the major profile "English Language", Varna Bulgaria. She graduated from the University of Varna. She graduated as a Master of Medicine at the Medical University - Varna in 2006 (Diploma series MU-2006, № 045300 Reg. № 76790/2006, MU - Varna). Doctoral student in independent training at the Department of Internal Medicine, specialty "Cardiology" and defended his PhD thesis on "Dynamics in the oxidative status in patients with paroxysmal atrial fibrillation" and received the PhD (Diploma No. 097/2015, MU - Varna). In 2022 he defended a large doctorate and received the NS "Doctor of Sciences", scientific specialty "Cardiology"(Diploma № 538/2022, MU - Varna).

She has a specialty in cardiology. She specialized in cardiology in Italy (Ospedale Niguarda Ca' Granda di Milano, Milano). She has specialized in echocardiography at different levels in Bulgaria and Germany (I Medizinische Klinik, Universitätsklinikum Augsburg) and electrocardiostimulation.

Since 2006 she joined the First Clinic of Cardiology with Cardiac Intensive Care Unit, University Hospital "St. Later as an assistant professor at the Department of Internal Medicine, UNS of Cardiology and Rheumatology. Gradually he rose through the position of assistant professor to associate professor and head of the Board in these structures.

B. Scientific contributions:

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The following is a statement of the facts and circumstances which led to the filing of this application for a writ of habeas corpus and the granting of such writ by the Court.

On or about the year 1954, the respondent, [Name], was arrested and confined in the County Jail, [County], California, on the charge of [Charge].

At the time of his arrest, the respondent was a resident of [Address]. He was then employed as [Occupation] by [Employer].

The respondent was arraigned before the Court on the charge of [Charge] and was held to answer to the same. He was then committed to the custody of the Sheriff of the County.

On or about the year 1955, the respondent was brought before the Court for trial on the charge of [Charge]. He was then found guilty and sentenced to a term of [Sentence].

The respondent has since that time been confined in the State Prison, [County], California, on the charge of [Charge]. He has since that time been denied the right of habeas corpus.

The respondent claims that he is innocent of the charge of [Charge] and that he is entitled to a writ of habeas corpus. He claims that the evidence against him is insufficient to sustain the conviction.

The respondent claims that the Court should grant him a writ of habeas corpus because he is innocent of the charge of [Charge] and because the evidence against him is insufficient to sustain the conviction.

Assoc. Prof. Dr. Maria Negreva has co-authored a total of 71 scientific publications, of which 53 have been published in foreign journals and 18 in Bulgarian journals. 21 publications are refereed in the world databases (WOS/Scopus).

She has defended a dissertation for PhD on "Dynamics in oxidative status in patients with paroxysmal atrial fibrillation" (2014) and a dissertation for DMSc on "Paroxysmal atrial fibrillation - early abnormalities in coagulation and fibrinolytic system" (2022).

For the current competition the following have been submitted:

- 20 publications (14 publications in foreign journals, 4 of which have been refereed in the WOS/Scopus world databases), some of which are closely related to the dissertation for the Ph;

- Habilitation thesis - monograph on "Platelets - fundamental and clinical projections", which could be tentatively divided into two parts: a contemporary view on morphology and haemostatic functions of platelets; significance of platelet pathomorphology in clinical cardiology practice, where own results on platelet activity in paroxysmal atrial fibrillation are also presented;

- a textbook "Clinical Echocardiography", in which Assoc. Negreva is a co-author.

- 60 citations (37 in the world databases WOS/Scopus). The total impact factor of Assoc. Negreva is 79.913, of full-text articles published after the defense of the NS "Doctor of Sciences" - 3.57

After holding the AD "Associate Professor" and awarding the NS "Doctor of Sciences" (2022) Assoc. Negreva has 10 congress participations, 3 of which were oral presentations at European congresses. No publications from studies with a large (more than 30 researchers) author collective (clinical studies) and their citations were submitted for the application.

Her contributions to scientific production can be systematized as follows:

1. Contributions related to the study of coagulation and fibrinolytic indices, as well as platelet activity indices, in patients with paroxysmal atrial fibrillation (Publication No. 1, 3 and 4, Indicator D7; Indicator E13; habilitation thesis, Indicator B3).
2. Contributions related to the study of the application of mathematical methods for the analysis of cardiological data (Publication № 2, Indicator D7; Publication № 5, Indicator D8)
3. Contributions related to the study of echocardiographic parameters and serum NT-proBNP levels in patients with implanted bicuspid pacemaker DDDR (Publication № 1, Indicator D8)
4. Contribution related to the literature review on nursing care of patients with cardiovascular disease (Publication No. 2 and 3, Indicator D8)
5. Contributions related to the study of neurological complications after open heart surgery (Publication No. 4, Indicator D8)
6. Contributions related to the study of endodontic pathology in patients with cardiovascular diseases (Publication No. 6, Indicator D8)
7. Contributions related to the evaluation of hemodynamic characteristics in high normal arterial pressure by impedance cardiography and capillaroscopy (Publication No. 7, Indicator D8)

8. Other contributions (Publication No. 8, Indicator D8; textbook, Indicator F21; Publications 1-8 from the list beyond the minimum scientific requirements)

The scientometric data are compared in the following table:

Table 1. Minimum points required by groups of indicators for AD "professor"

Group of indicators	Content	Professor (number of points)	Assoc.proff. Negreva number of points
A Dissertation for acquisition of educational and Doctor degree	Indicator 1	50	50
B	Indicator 2	-	-
B3. Monography	Indicator 3	100	100
Г	Sum of indicators от 5 до 9	200	202 т.
Д	Sum of indicators 10 to 12	100	680 т
Е	Sum of indicators 13 to the end	100	116.67
Total:		550	1148.67

C. Teaching and learning:

The work of Assoc. Prof. Negreva includes work with medical students, postgraduate students, PhD students and kinesiotherapists. The teaching load in 2018-2019 is 144hrs. "2019/2020 - 108hrs; 2020/2021 - 101; 2021/2022- 102hrs. additional 99hrs. with kinesiotherapists.

Supervised classes in the following subjects:

Lectures and Exercises in "Internal Diseases Part I", IV year AEE and BEE specialty "Medicine"; Lectures on "Internal Diseases", II course BEE, Specialty "Rehabilitation Therapist"; Exercises in "Pharmacotherapy", 5th year BEO, specialty "Pharmacy"; Exercises in "Internal Diseases", III year BEE, Speciality "Kinesiotherapist"; Lectures on elective course "Cardiology", Specialty "Medicine".

Practical exercises and seminars with trainee-doctors VI course AEO and BEO; Lectures of postgraduate students in cardiology in the regular theoretical course for postgraduate students in cardiology, Medical University - Varna; Chairman of examination committees for semester examination "Internal Diseases Part I" IV course AEO and state examination "Internal Diseases" VI course AEO; Examiner in examination committees for semester examination "Internal Diseases Part I" IV course BEE and state examination "Internal Diseases" VI course BEE; Trainer in VSD - echocardiography, expert level at MU-Varna and examiner in examination committee for the acquisition of competence in the

activity. Examiner in the Examination Board of the State Examination for the Acquisition of the Specialty "Cardiology" and "General Medicine"

Supervisor of 4 doctoral students - 3 doctoral students in the doctoral program "Cardiology", 1 doctoral student in the doctoral program "Health Care Management"

The teaching load of Assoc. Negreva's teaching experience is intensive and allows the accumulation of teaching experience, which is very important for her development as an academic teacher. Work experience: 16 years, 4 months

Leadership/participation in research projects/programmes: 2 research projects

- "Investigation of the application of new mathematical methods for cardiological data analysis", funded by the Scientific Research Fund, Ministry of Education and Science (KP-06-H22/5 of 07.12.2018)
- "Circulating Histone Proteins as Biomarkers of Disease (CHiP-BiD)", funded by the Scientific Research Fund, MES (KP-06-DV/4 from 15.12.2021)

D.Expert and medical diagnostic activity:

Assoc. prof. Negreva has worked and conducted her training in leading university hospitals in Bulgaria and Europe. She is a qualified cardiologist and specialist in non-invasive diagnostics and electrostimulation in the field of cardiovascular pathology.

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

Member of Society of Cardiologists in Bulgaria, ESC, EACVI, EAPCI, ACVC. Member of the Board of the Regional Council of the Bulgarian Medical Association – Varna.

The above data are proof of the high level of professional and administrative competence that Assoc.prof. Negreva

Conclusion:

Assoc. Dr. Maria Negrinova Negreva is a university lecturer, a researcher of high prestige and a highly competent clinician. Constant scientific activity and systematic publications make her a thorough and serious researcher in the field of cardiology. The submitted materials prove that all qualitative and quantitative indicators of the PRAS of MU- Varna have been achieved.

All this gives me a reason, taking into account the professional development, scientific performances and the authority gained by the candidate, to recommend to the honorable jury to recognize her merits and to select Assoc.prof. Maria Negrinova Negreva as Professor of Cardiology at the Faculty of Medicine, First Department of Internal Medicine, Board of Cardiology and First Clinic of Cardiology of the University Hospital "St. Marina" EAD - Varna

07 July 2023
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Prof. Dr. Snezhanka Tomova Tisheva

