

STATEMENT

by Prof. Ivanka Dimitrova Paskaleva, MD, PhD, Head of Medical Diagnostic Laboratories of MHAT-National Heart Hospital, Sofia

on the competition for occupation of the academic position of "Associate Professor" in the scientific specialty "Clinical Laboratory" (in the field of higher education 7. "Health and Sports" in the professional field 7.1 "Medicine") for the needs of the Clinical Laboratory at the National Heart Hospital – Sofia, announced in the State Gazette No.61 / 02.08.2019

In the announced competition for occupation of the academic position of "Associate Professor" one candidate is participating - Senior Assistant Dr. Dobrinka Dineva Savova, MD, Head of the Clinical Laboratory of the MHAT- National Heart Hospital EAD. The submitted documents contain the necessary information for the assessment of the applicant and are in accordance with the requirements for participation in a contest under the Law on the Development of Academic Staff in the Republic of Bulgaria and the Rules for the Conditions and Procedures for Acquiring Degrees and Occupation of Academic Positions at the National Heart Hospital.

Brief biographical data of the applicant

Dr. Dobrinka Dineva Savova obtained a Master's degree in medicine in 1990 (Medical Academy, Sofia). She has a specialty in clinical laboratory since 1997. She has held the academic positions of "III degree researcher" at the National Center for Cardiovascular Diseases and Rehabilitation since 1991, "II degree researcher" at the NCCVDR since 1997, and since 2009 she has been the Senior Assistant at the Clinical Laboratory of the MHAT-National Heart Hospital. Over the years she held the post of the Head of the Clinical Chemistry and Immunological Unit, and since 2011 she has been the Head of the Clinical Laboratory at National Heart Hospital. She obtained her PhD degree in 2013. The topic of her thesis is "Monitoring of platelet activity by impedance aggregometry in the treatment of clopidogrel and/or aspirin in high-risk patients with coronary artery disease".

1. Scientific and Research activity

Dr. Dobrinka Dineva Savova has submitted for the competition a monograph "Biology of platelets, functional tests and their application in clinical practice for evaluation of platelet response", 2019, ISBN: 978-619-7063-30-1. There are 18 full-text original scientific articles, five of which are publications in Bulgarian language, referenced and indexed in Scopus; 10 articles are in Bulgarian non-refereed scientific peer-reviewed journals or in editorials with full-text publications and three entries in chapters of collective monographs. She is a sole or leading author in five of the original scientific publications presented. The focus of the submitted scientific papers is the field of haemostasis, where Dr. Dineva introduces new techniques and tests to expand the diagnosis of hemostatic disorders and control of antiplatelet and anticoagulant treatment. The diverse role and functions of platelets, their involvement in platelet inflammation, guide recent antiplatelet therapies to improve efficacy and individualize therapy based on functional tests.

1.1. Scientific contributions in the field of platelet function research:

1.1.1. For the first time in our country, the validation of the Multiplate impedance aggregation method is carried out in accordance with international requirements and the monitoring of analytical reliability - experience of 10 years (B1).

1.1.2. Individualization of antiplatelet therapy is performed based on ADP and ASPI test values in patients with high residual platelet aggregation (G17, G18).

1.1.3. Distinctive boundaries of ADP and ASPI tests is developed for optimal therapeutic response and increased bleeding risk (G4, G18).

1.1.4 An algorithm including ROTEM thrombelastography and MULTIPLATE aggregometry is used to distinguish excess bleeding caused by platelet dysfunction (G3).

1.2. Applied contributions in the field of coagulation

1.2.1. Laboratory monitoring of heparin and low molecular weight heparin treatment with various anti-Xa tests (G2, G7).

1.2.2. Changes in laboratory hemostatic and hematological tests in the postoperative period (G6).

1.2.3. Determination of INR in capillary blood for monitoring oral anticoagulant therapy with Point of Care self-monitoring devices (G9).

1.2.4. Monitoring of patients with heparin-induced thrombocytopenia (G5).

Dr. Dineva's participation in scientific forums is significant: 22 presentations with reports, 25 scientific publications in Bulgarian language and 15 scientific publications abroad, some printed in the prestigious journals Clinical Chemistry and Laboratory Medicine, Research and Practice in Thromboses and Haemostasis (RPTH), in the field of cardiac markers and hemostasis. The report shows a total of 27 citations, two of which in Scopus and 25 in Bulgarian sources, cited by Central Medical Library Sofia. Dr. Dineva's scientific activity is a score for both the poster and article research awards in the journal Bulgarian Cardiology.

2. Educational activity

Dr. Dobrinka Dineva has experience in teaching in clinical laboratory with practical exercises for medical students of the 4th year in module cardiology - "laboratory tests in cardiovascular diseases". She participates in practical classes of individual training doctors, post-graduate students (four) and one doctoral student. According to the information provided by scientific and educational department of the National Heart Hospital, Dr. Dineva has a workload of 126 hours to 252 hours per year, which indicates her long-term presence in the practical work of teaching. She participates in a significant number of international courses (10 courses), with certificates of application skills and theoretical background in hemostasis and clinical chemistry.

3. Medical-diagnostic and organizational activity

3.1. Dr. Dineva independently introduces and validates a number of clinical-chemical, immuno-turbidimetric and immunofluorescence methods of the following analyzers: AU 400, AU 480, Access-2 - Beckman Coulter.

3.2. Adapted programs for chromogenic and chromometric tests of a wide range of hemostatic analyzers: Sysmex CS-2000i, ACL TOP 500 - IL, STA Compact - Diagnostica Stago, Diatron -

Diagon for selection of analyzers and reagents for maximum sensitivity in anticoagulant therapy monitoring.

3.3. Provides methodological assistance with programming of analytical parameters, staff training and consultations in case of problems in routine work with clinical-chemical (AU 480, AU 640), immunological (Access-2), hematological (DxH 800) and hemostatic (Grifols) analyzers at NHH-Sofia, Military Medical Academy - Sofia, University Hospital "Pirogov", University Hospital "St. Ekaterina ", Palmed - Plovdiv, Diagnostic Center 1 - Rousse, University Hospital Pleven.

Dr. D. Dineva's comprehensive research, teaching and diagnostic consulting activity presents her as a trained researcher and professional with respectable presence in the field of modern clinical laboratory and hemostasis in the circles of specialists in cardiology, hematology and laboratory medicine.

In conclusion, I am convinced that Dr. Dobrinka Dineva, PhD complies with the requirements of the Rules on the Conditions and Procedures for Acquisition of Academic Degrees and Occupation of Academic Positions at the National Heart Hospital. Myself, I will confidently vote positively and recommend to the honorable members of the Scientific Jury to select Dr. Dobrinka Dineva Savova for the academic position of "Associate Professor" in the scientific specialty "Clinical Laboratory" in the field of higher education 7. "Health and Sports" in the professional field 7.1 "Medicine".

Sofia, November 18, 2019

Prof. I. Paskaleva, MD, PhD