

OPINION

by

Associate Professor Dora Dimitrova Terzieva, MD, PhD

Head of Department of Clinical Laboratory
Faculty of Pharmacy, Medical University-Plovdiv

Concerning: The competition for the appointment of an academic position “Associate Professor” in the field of Higher Education 7. Healthcare and Sport, Professional Field 7. Medicine, Scientific Specialty “Clinical Laboratory”. The position was announced in the State Gazette, issue 61/02. 08. 2019, by the request of the Clinical Laboratory, MHAT “National Heart Hospital”, Sofia.

Senior Assistant Dr. Dobrinka Dineva Savova, MD, has applied for the position and has submitted the appropriate documentation. The documents have been admitted by the respective commission. Dr. Dineva, MD, is the only candidate for this position.

The presented set of documents by Dr D. Dineva in electronic and hard copy complies with the requirements in the Law for the Development of the Academic Staff in the Republic of Bulgaria, and in the Regulations for its implementation, as well as the mandatory requirements of the MHAT “National Heart Hospital”, Sofia.

1. Career Profile

Dr D. Dineva has graduated from the medical specialty at the Medical Faculty, Medical University - Sofia in 1990 (Diploma № 009229/1990). Since 1986-1996 she has been a graduate of III, II and I degree researcher at the NCCVCR. From 2010 to present she is a Senior Assistant at the Clinical Laboratory, MHAT “NHH” - Sofia.

She has had a recognized specialty in a clinical laboratory since 1997 (Diploma № 002795/1997).

Since 2013 she has been a Medical Doctor. The dissertation work, which Dr Dineva developed, is on the topic “Monitoring of platelet activity by impedance aggregometry in the treatment of clopidogrel and/or aspirin in high-risk patients with coronary artery disease”.

From 2011 to present Dr Dineva is Head of the Clinical Laboratory at National Heart Hospital.

Dr Dineva has participated in short-term courses devoted to diagnostic possibilities of some traditional and specialized tests in haemostasis in Paris, France (2000), Milano, Italy (2009; 2010), Barcelona, Spain (2011), and to contemporary immunoluminescent and biochemical methods and tests in Switzerland (2007; 2009), Munich, Germany (2010).

Dr D. Dineva is a member of the Bulgarian Society of Clinical Laboratory and a member of the American Association of Clinical Chemistry and of the International Society of Haemostasis and Thrombosis.

Dr Dineva has computer literacy and skills to work with highly specialized clinical laboratory equipment. She is fluent in written and spoken French, English and Russian.

2. Research Activity

In 2019 she has issued a monograph devoted to platelet biology, functional tests and their application in clinical practice for assess platelet response. She is the only author in it. In

connection with this procedure, Dr D. Dineva has presented a total of 18 scientific papers. She is part of the authors team in three collective monographs in field of hemostasis, published in 2007, 2016 and 2018. Five of the publications have been published in referenced Bulgarian journals. The publications are related to the performance of the point-of-care blood analyzer Picollo, monitoring of low-molecular-weight heparins in pregnant women with inherited thrombophilic disorders, to most commonly used platelet function assay, to risk factors, pathophysiology and clinical manifestation of heparin-induced thrombocytopenia. Dr Dineva has 7 publications in Bulgarian non-refereed peer-reviewed journals. The full text reports included in the collection of scientific forums are 3. In 3 of publications Dr Dineva is first or only author.

According to Dr Dineva's reference, her scientific contributions are in three areas – platelet aggregation, coagulation and methodology-diagnostic contributions

Some of the publications are related to the validation of the impedance aggregation method with recommendations for the use of the Multiplate analyzer. For predicting probable post-stenting thrombosis, the cut-off value of the ADP test was presented. The changes in haemostasis function tests and hematological tests for evaluation of coagulation and fibrinolysis in 440 patients with post-operative bleeding were analyzed. The anticoagulant effect of acenocoumarol and syntrom in outpatients were compared. Results of monitoring low molecular weight heparin in pregnant women with hereditary thrombophilic effects are presented.

Dr Dineva has participated in 62 Bulgarian and international scientific forums, 15 of them presented at international forums abroad: in Antalia (2007), in Innsbruck (2009), in Berlin (2011, 2017), in Milano (2013), in Houston (2013), in Istanbul (2014), in Dublin (2018), Barcellona (2019). Summaries of the messages delivered to international forums are printed in authoritative foreign medical journals: Clin Chem Lab Med, 2009 (IF = 2.29), 2014 r. (IF = 2.53); Biochimica clinica, 2013 (IF = 0.41). Dr Dineva has presented 22 reports. Dr Dineva has two scientific awards.

Dr Dineva has a total of 27 citations, 2 of which are in Scopus, 1- in monograph and 24 are in Bulgarian sources.

3. Teaching Activity

Dr D. Dineva presents practical exercises at the Clinical Laboratory for medical students (4th cours, cardiology modul). According to the report from the National Heart Hospital - Sofia, for the school years 2013 – 2019, Dr Dineva has a total of 1038 hours with undergraduate and graduate students.

4. Diagnostic and Therapeutic Activity

As the head of the Clinical Laboratory of the National Heart Hospital, Dr Dineva is responsible for the overall organization of the laboratory, which carries out about 500,000 analyses per year. Modern high-tech principles of analysis are used in the Laboratory. For the last 5 years the clinical chemistry analyzer Olympus AU 480, immunological analyzer TOSON AIA 360, blood-gas analyzers and automatic coagulometer Sysmex CS-2500 System, have been put into the routine activity of the Laboratory. Dr Dineva applies modern functional tests to assess platelet function.

5. Conclusion

The documentation presented to the MHAT “NHH”-Sofia, for the position of “Associate Professor”, validates the participation of Dr D. Dineva in both the research and teaching

activities of the Department and the diagnostic aspects of the Clinical Laboratory. The laboratory's scientific output is sufficient in volume and has not only theoretical but also applied value. Both aspects show her medical and professional expertise. The documents show her teamwork skills.

It is my opinion that the accomplishments of Dr D. Dineva as a researcher and lecturer not only meet but, exceed the minimum national requirements laid down in the Law for the Development of the Academic Staff in the Republic of Bulgaria, and in the Regulations for its implementation, as well as the mandatory requirements of the MHAT "NHH"-Sofia, for being appointed to the post of academic "Associate Professor".

On this basis, ***I highly recommend*** Senior Assistant Dobrinka Dineva Savova, MD, for appointment to the position of academic "Associate Professor" for the Clinical Laboratory of the MHAT "National Heart Hospital" of Sofia.

21. 11. 2019
Plovdiv

Member of Scientific Jury:.....
/Associate Professor D. Terzieva, MD, PhD/