

**To the Chairman of the Scientific Jury
Appointed by Order № P-109-358/21.09.2022
of the Rector of Prof. Dr. Paraskev Stoyanov Medical University of Varna**

STANDPOINT

Prepared by: Assoc. Prof. Marianka Genova Petrova-Yanachkova, MD, PhD, Member of the Scientific Jury

Scientific specialty: Clinical Laboratory, Faculty of Medicine, Medical University of Sofia
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I have been appointed as a member of the scientific jury according to the order № P-109-358/21.09.2022 of the Rector of the Medical University "Prof. Dr. Paraskev Stoyanov" of Varna and have been selected to prepare a Standpoint according to protocol 1/07.10.2022 from the meeting of the scientific jury.

Regarding: Application for the academic position "Professor" in the field of Higher Education 7. Healthcare and sports, professional field 7.1 Medicine and the scientific specialty "Clinical Laboratory" for the needs of the Department of Clinical Laboratory at the Faculty of Medicine of the Medical University "Prof. Dr. Paraskev Stoyanov" and the Clinical Laboratory at St Marina University Hospital of Varna, published in State gazette №59/26.07.2022.

The provided documents (in electronic format) are in accordance with the requirements of the Law on the development of the academic staff in the Republic of Bulgaria and the Regulations for its application, the Regulations for the development of the academic staff of the medical University "Prof. Dr. Paraskev Stoyanov" of Varna and meet the requirements for the specified position.

Assoc. Prof Yana Dimitrova Bocheva, MD, PhD is a candidate of the competition

Brief introduction of the candidate:

Assoc Prof Yana Bocheva graduated language secondary school in Yambol in 1995. She obtains her higher medical education during the period from 1995 till 2001 at Medical University of Varna. She briefly worked as a medical representative (2001-2004); 2004-2005 she was a full-time doctoral student at the Department of General Medicine and Clinical Laboratory, scientific specialty "Clinical Laboratory". Since 2005, she has been an assistant at the Department of "General Medicine and Clinical Laboratory", University Science Specialty "Clinical Laboratory" and a doctor at the Central Clinical Laboratory at the "St. Marina". She acquired the specialty of Clinical Laboratory in 2008 and master's degree in "Health Management" in 2010. Assoc Prof Bocheva is an assistant professor at the Department of "General medicine and clinical laboratory" during the period from 2005 till 2016.

She is elected as Assoc Prof at the same department in 2016. Since 2021 until present, she is a head of the Department of Clinical Laboratory at the Medical University of Varna.

Assoc Prof Bocheva is defended a dissertation on the theme "Predictive values of some tumor markers in oncological follow-up - verification with FDG/CT" in 2015.

Membership in professional organizations:

- Assoc. Prof. Yana Bocheva, MD, PhD is a member of the Board of managers of the Bulgarian Clinical Laboratory Society (BCLS) and Secretary of the Board of Directors of BCLS
- Expert Council in the specialty Clinical Laboratory at the Ministry of Health
- Bulgarian Society of Endocrinology
- European Register of Laboratory Medicine
- Joint Oncology National Network
- She is a certified member of the European Register of Laboratory Medicine Specialists (EuSpLM Register)
- International Society of Thrombosis and Hemostasis (ISTH)
- European Federation of Clinical Laboratory and Laboratory Medicine (EFLM)
- International Federation of Clinical Chemistry and Laboratory Medicine (IFCC) (the representative in the IFCC of Bulgaria)
- Member of the Multidisciplinary oncological conversations and extracts (MORE expert board. (Winner of the Annual award "MORE 2021" of the National Conference of "MORE" and the Darzalas Foundation

Proficient in English (level C1); German (level A2) and Russian languages (level A2).

Assoc Prof Yana Bocheva has a professional experience in the field of Clinical laboratory 17 years and 6 months. As a member of the MORE expert board, she participates in a number of forums in the field of oncology for adults and children

Research activity

Scientometric indicators

The total number of scientific works of Assoc Prof Yana Bocheva for the last 10 years is as follows: publications in journals and collections of full-text articles, abstracts and reports-76, 1 monographic work "Serum tumor markers in solid tumors - a clinical interpretation", participation in writing 7 science guides and parts of 2 university textbooks.

Assoc. Prof Yana Bocheva, MD, PhD, participates in the competition with one dissertation on the theme "Predictive value of some tumor markers in oncological follow-up - verification with FDG PET/CT"; with participation in the writing of 2 university textbooks for continuing education and a chapter of a university textbook, with 34 scientific papers, of which 27 actual publications / 8 full-

text articles in foreign journals, 19 in Bulgarian journals and 7 abstracts and reports presented at prestigious International congresses with abstracts published in journals with IF.

Assoc. Prof. Bocheva presents 3 full-text publications in scientific journals and anthologies, beyond the minimum scientometric requirements for occupying the academic position "Professor", published in journals with IF.

According to the academic check-up from the Medical University of Varna, prepared by the Library of Medical University of Varna and in accordance with the Regulations for the development of the academic staff of Medical University of Varna. The scientific production covering the minimal scientometric requirements of Assoc Prof Bocheva amounts to 601, 65 points. The academic check-up shows that the candidate presents a habilitation thesis of 10 full-text articles, published in referenced and indexed in world-renowned databases of scientific information; 7 abstracts and reports in foreign journals and collections in referenced and indexed in world-renowned databases, 21 full-text publications in non-refereed, with scientific peer-reviewing journals and collective book volumes. Additionally, three scientific full-text publications outside the minimal scientometric requirements for the academic position "Professor" are presented. The articles are published in authoritative journals with IF.

The academic reference regarding the citations of Assoc. Bocheva's works meets the requirements of the MU "Prof. Dr. Paraskev Stoyanov" of Varna. The scientific works submitted for participation in the competition are not used to acquire the scientific and educational degree "doctor" and there is no evidence of plagiarism. The majority of the candidate's works are related to the professional direction of the announced competition.

Assoc Prof. Yana Bocheva is participated in 6 national, in one international scientific project as a researcher and in one national educational project as an academic mentor of 13 students who are successfully completed their participation in the project.

The scientific interests and contributions of Assoc Prof. Yana Bocheva are multifaceted, which is evident from the scientific works and scientometric indicators presented in the competition, which clearly present the multidisciplinary role of the Clinical Laboratory specialty. On the other hand, it can see the role of the laboratory doctor in response to the serious challenges and requirements to him.

Here are included publications both in the field of clinical laboratory and evaluating the role of laboratory analyses in the diagnostic process of diseases in endocrinology (related mainly to DM in children and adults, thyroid diseases, growth problems in children), gastroenterology, oncology, cardiovascular diseases and other clinical conditions and diseases.

The scientific contributions are systematized in the next main trends:

1. Directly in the field of the clinical laboratory are presented studies, related to the laboratory analyses of specific bone markers in CKD ; evaluation of role of the delta-neutrophil index in immature, circulating neutrophil cells in the prognosis of infections and sepsis; assessment of lipocalin 2 as a marker for gastrointestinal infections; comparison between the pro-inflammatory markers CRP and serum amyloid A in AVI; comparative determination of urine sediment with manual and automatic methods; NGAL as a marker of kidney injury in children and adults with DM

2. In the field of endocrinology:

-Publications that represent the applicant's interest of T1DM in children and T2DM in adults - the relationship to cardiovascular disease, cardiovascular risk and cardiovascular failure by determine of specific markers and their role in risk assessment; changes in cardiac function in patients with Thalassemia major

-The changes that occur in the lipid profile in patients with Hashimoto's autoimmune thyroiditis are determined; relationship between TSH and malignant potential of thyroid nodules

-Publications related to participation in a program for the diagnosis and treatment of children with growth abnormalities, determination of laboratory indicators in children after successful treatment of ALL, Hodgkin's disease

3. Contributions in the field of oncology. Associate Professor Bocheva's dissertation is the main proof of her scientific interests in this field, other publications related to oncological problems and active participation in the MORE Foundation.

4. The scientific contributions in the field of medical nutritional therapy. Noteworthy is her participation in an article published at the journal Frontiers in Nutrition, 2021, IF 6.59

Teaching and lecturer's activity

Assoc. Prof. Bocheva has an annual teaching loading during the last four academic years between 130 and 205 hours as her horarium includes hours for lecture presentations and practical exercises. Exceeds the horarium by MU of Varna - at least 100 hours of average annual workload for the previous 4 academic years.

Assoc. Prof. Bocheva participates with lectures and exercises in the training of Bulgarian and English-speaking medical students, in the training of the Clinical Laboratory discipline of students in the specialty "Medical Laboratory Technician" of the Medical College at the Medical University of Varna. She performs education according to individual courses for postgraduate qualification Clinical laboratory as a lecturer in the specialty "Clinical Laboratory" in basic courses for doctors-specialists in pediatrics, endocrinology, nephrology, in clinical laboratory at MU of Varna (within summer and winter school). Assoc. Prof. Bocheva participates in committees for semester exams and is a member of the State Commission for recognition of the "Clinical Laboratory" specialty.

She is an adviser of four PhD students (two of them have defended doctoral theses for the acquisition of the educational and scientific degree of PhD) and five postgraduate students in Clinical laboratory (two of them have acquired the specialty of Clinical Laboratory).

Conclusion:

On the base of the evaluations of the research, teaching, publication activity and professional qualification of Assoc. Prof. Yana Bocheva, MD, PhD and according to the requirements of the Law on the development of the academic staff in the Republic of Bulgaria, the Rules for Implementation of the Law on the development of the academic staff in the Republic of Bulgaria and the Regulations on the terms and conditions for obtaining scientific degrees and holding academic positions at "Prof.

Dr. Paraskev Stoyanov" Medical University of Varna, for the academic position of "Professor", I give a positive assessment to the candidacy of Assoc Prof. Yana Bocheva, MD, PhD.

I recommend to the members of the esteemed Scientific jury to vote positively for the election of Assoc Prof Yana Dimitrova Bocheva, MD, PhD for holding the academic position of "Professor" in the field of higher education: 7. Health and Sports, professional direction 7.1 Medicine, in the scientific specialty "Clinical laboratory" for the needs of the Medical University of "Prof. Dr. Paraskev Stoyanov" of Varna.

12.12.2022

Sofia

Assoc. Prof. Marianka Genova Petrova-Yanachkova MD, PhD



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