

To
The Chairman of the Scientific Jury
determined by Order No 109-144/23.02.2023
of the Rector of Medical University - Varna

To Your Protocol №1(06.03.2023)
Attached, I present: A **REVIEW**

by Prof. Julian Ivanov Raynov, MD

Head of the Hematology Clinic, Department of "Hematology, Medical Oncology,
Radiobiology and Pathology" of the Military Medical Academy-Sofia

Subject: competition for the academic position "professor" in the scientific specialty "Clinical Hematology", Field of higher education 7. "Health care and sports", professional field 7.1. Medicine, specialty "Clinical Hematology", Faculty of Medicine, II Department of Internal Medicine, announced for the needs of the Clinic "Clinical Hematology" at "St. Marina" UMBAL - EAD, Varna, published in the State newspaper "Dyrzhaven vestnik", issue 102 of 12/23/2022.

Reviewer: Professor Doctor Julian Ivanov Raynov, MD

Scientific specialties: internal medicine, military-field therapy, clinical hematology and oncology.

Chairman of the scientific jury: Assoc. Prof. Dr. Trifon Georgiev Chervenkov, MD PhD

DEAR MR CHAIRMAN,

On the basis of the regulations for the development of the academic staff of MU-Varna (protocol № 57/21.11.2022), at a meeting of the Faculty Council of the Faculty of Medicine and by order № R-109-144/23.02.2023. of the Rector of MU-Varna, I was elected as a member of the Scientific Jury, According to the Protocol № 1 of the first meeting, I was appointed to prepare a review of the procedure for occupying the academic position of "professor" in the specialty "Clinical Hematology" with an only candidate Associate Professor Ilina Dimitrova Micheva, MD.

I. General presentation of the procedure:

The competition for the employment of academic position "Professor" is in accordance with the requirements of Art. 113, Art. 123 and Art. 135 the applicant has submitted the complete list of documents listed in Art. 148 of the rules of MU-Varna. The entire path of moving the procedure fully covers the requirements of the regulations, and everything is accurately documented. All stages of the procedure are lawful and the election for academic position "Professor" can be initiated. The review is prepared according to the general rules and recommended requirement regarding the structure, content, layout and volume and reasoned position as a member of the Scientific juri on the competition. The candidate assoc. prof. Ilina Dimitrova Micheva covers the minimum national and MU-Varna requirements, determined by the numerical values of objectively measurable indicators (appendix №1). Their implementation covers the conditions for admission to participation in the procedures announced by the University of Varna for the acquisition of

academic position "Professor". The review also analyzed and evaluated the additional indicators for evaluation when holding a competition by the National Academy of Sciences for the occupation of academic positions at MU-Varna (appendix № 2).

II. Brief biographical data about the candidate:

Associate Professor Iliana Dimitrova Micheva was born in Ispirih. He graduated from the 1st English high school "Hr. Kabakchiev" Varna and MU-Varna in 1993 (diploma № A-92000372). He started working as a resident doctor and went through the positions of hematologist, assistant, chief assistant, head of the stem cell transplantation department (STC) at the "St. Marina"-Varna. Since 2019, he has been the head of the clinical hematology clinic and the head of the TSK department. From 2000-2005, he was a full-time doctoral student at the University of Patras, Greece, with a scholarship from the Greek Foundation for State Scholarships, where he obtained the title "Doctor" in the scientific specialty: "03.01.39 Hematology and Blood Transfusion" after a successfully defended dissertation at topic: "The role of dendritic cells in the hematopoietic defects in patients with Myelodysplastic Syndrome" (certificate № 1809-VAK-2007) Associate Professor Iliana Micheva has clinical specialties in internal medicine (diploma № AC-005436) and clinical hematology (diploma № 12038/2007), and in 2015 she was elected associate professor (diploma № 117). She has passed numerous specializations and qualifications at home and abroad. Over the years, he has developed a wide range of expert activities, and has received numerous awards. He speaks English, Greek, and Russian.

III. Analysis of the candidate's career profile.

Associate Professor Iliana Micheva have professional experience is 21 years and is reflected in an official certificate from the MU - Varna. Her teaching experience as head of an educational sector is over 14 years (certificate № 049-99/05.01.2023). Every stage of the career development of Assoc. Prof. Iliana Micheva there is scientific maturity and growing professionalism. The biographical reference convincingly reveals her career development in the field of medicine, health management, and contribution to the development of clinical hematology and transplantation methods. Dr. Iliana Micheva shows her enviable skills in organizing, managing and leading her team in the conditions of modern clinical hematology and transplantology. I firmly believe that the candidate meets the set of criteria and indicators for the occupation of academic position "Professor" according to the ZRASRB, the rules for its implementation and the regulation for occupation of the respective academic positions as well as the Regulations of the MU-Varna.

IV. General description of the submitted materials in the competition.

The presented set of documents is in accordance with the requirements of the rules for awarding academic position "Professor" of MU-Varna. All the required documents are available and neatly arranged, which allows easy analysis and conclusions by the scientific jury.

V. Evaluation of scientific production in the overall academic development:

The scientific activity was evaluated on the basis of the additional scientometric indicators during a competition for filling academic positions at MU-Varna (appendix № 2). Candidate Assoc. Prof. Iliana Micheva presents her overall scientific activity in two periods (1996-2015) and (2016-2021), which is indicated in (Table № 1).

Table № 1 Comparative data for scientific works in the period 1996-2015/2016-2022

I. Scientific publications	For Assoc. Prof. (1998 – 2014)	For Professor (2015 - 2021)	Total
Dissertation/Autoreferate	1	-	1
Publications in international IF journals indexed and referenced in the scientific databases Scopus and/or Web of Science	7	6	13
Publications in non-IF journals indexed and referenced in the scientific databases Scopus and/or Web of Science	17	19	36
Publications in non-refereed reviewed journals	7	18	25
Total number of Publications:	31	43	74
II. Scientific activity			
Scientific reports at international forums with printed abstracts	36	25	61
Scientific reports at national forums with printed abstracts	15	21	36
General scientific announcements and reports	51	46	97
Therapeutic manuals	1	1	1
Total number of scientific communications	103	93	195
Total scientific production for the period 1998-2021	134	136	270

There are a total of 270 scientific productions, of which 134 are referred for academic position " Assoc. Prof ", the remaining 136 for the acquisition of academic position "Professor" will be analyzed and evaluated by the scientific jury.

1. Scientific publications

1.1. **Actual publications:** the candidate submitted 43 actual scientific publications.

- Publications in *foreign* scientific publications, referenced and indexed in databases of scientific information scientific journals: 5 (11-14,20 (NEJM Supp.App, 2021). Author's place - third. Total IF - 96,829.

- Publications in *Bulgarian* scientific publications, referenced and indexed in databases with scientific information. 10 publications are presented (15,16,17,18,19,21,22,23,24,25), where Assoc. Prof Ilina Micheva is a second author in 6 and third - in 4.

- Publications in *non-refereed* peer-reviewed journals or edited collective volumes. A total of 18 (26-43) and according to the place of the author - first author - 3, second - 7 and third and subsequent - 8. The points that each publication carries are also noted.

1.2. **Habilitation work** - scientific publications (not less than 10) in publications that are referenced and indexed in world-renowned databases with scientific information. Assoc. prof. Ilina Micheva MD presented 10 publications (1-10), first author in 3, second - 3 and third - in 4. The scientific publications equivalent to a habilitation work are presented in Table № 2.

Table № 2. Scientific publications equivalent to habilitation

Publication	Number of points	SJR	IF	Referenced and indexed
1	8,6			<i>Scopus</i>
2	20			<i>Scopus</i>
3	15			<i>Web of Science</i>
4	15	SJR ₂₀₂₀ 0.120	0,204	<i>Scopus</i>
5	30			<i>Web of Science</i>
6	15			<i>Web of Science; Scopus</i>
7	12	SJR ₂₀₂₁ 0.203	0,840	<i>Web of Science; Scopus</i>
8	20	SJR 0,225	0,787	<i>Web of Science; Scopus</i>
9	8,6	SJR 0,216	0,550	<i>Web of Science</i>
10	15	SJR 0,225	0,787	<i>Web of Science; Scopus</i>
Total publications	159,2	SJR 0,989	3,160	

1.3. Guidelines and textbooks: Assoc. Prof. Iliana Micheva participates in the author's team of the Pharmacotherapeutic Guidelane in Clinical Hematology, published by the Bulgarian Medical Association of Hematology and in the editorial team of the textbook "Principles of Schwartz's Surgery", ninth edition of MU-Varna. 2019, 1832 p., ISBN: 978-619-221-160-8. In these collective works, the candidate has a certain personal contribution. Assoc. Prof. Iliana Micheva is a reviewer of a monograph by Vankova, D. Integrative medicine: History, ideological development, informed choice and intelligent investment in the future. Varna, MU-Varna, 2021. 161 pp., ISBN: 978-619-221-328-2.

Major areas of the candidate's scientific publications include hematopoietic stem cell transplantation (1,45,54,57,72,75,76) and its associated infectious complications (2,4,7,22,26,46,63,71,83), acute leukaemia's (6,13,18,30,33,43,47,66,73,90), lymphoproliferative diseases (9,12,23,31,32,34,35,36,55,56,58,59,81), myeloma (3,14,15,19,27,49,50,52,60,61,62,64,65), myelofibrosis (5,8,21,25,40,41,51,68,74,83,84), myelodysplastic syndromes (10,16,17,28,37,38,39,53,77). The contributions of Assoc. Prof. Iliana Micheva scientific publications in connection with the habilitation are presented accurately and in detail in the author's extended habilitation report, impressively presented according to the rules and ending with a suitable bibliography, which I fully accept.

1.4. Cited and impact factor (IF): The first are presented as an author's reference for the period after the acquisition of academic position "Associate Professor" are presented on Table № 3.

Table № 3 Citations reflecting the scientific activity of Assoc.Prof. Iliana Micheva

Place of citations (scientific journals, monographs, collective volumes)	Number of citations
D10. Citations or reviews in scientific publications referenced and indexed in world-renowned databases of scientific information or in monographs and collective volumes (15 points)	165
D11. Citations in monographs and collective volumes with scientific review (10 points)	7
D11. Citations in monographs and collective volumes with scientific review (10 points)	16
TOTAL (indicator D10-12) = 30 points	188

The citations of the candidate Assoc. Prof. Iliana Micheva are supported by detailed evidentiary material of the relevant publication and the number of its citations in other scientific works. Auto-citations are not detected. The calculated IF is as follows: total - 302,462 and from the contest entries - 212,178.

2. Scientific activity

2.1. *Reports published in scientific publications, referenced and indexed in world-renowned databases with scientific information and those in proceedings of international scientific forums abroad* - Assoc. Prof. Iliana Micheva presented evidentiary material for participation in international congresses, symposia and conferences abroad (without the full text of the report) including printed summaries and posters in total 25 (44-68). These include prestigious scientific world publications with IF, (44-62), which cumulate the candidate's IF=177,224.

2.2. *Summaries of reports published in a collection of works from national and international scientific forums in Bulgaria* - Participation in Bulgarian scientific events includes 20 printed abstracts (69-88).

2.3 *Other participation in international forums*. In the list of evidence, 8 participations (89-96) in scientific forums at home and abroad are indicated - The analysis of the scientific activity of Assoc. Prof. Iliana Micheva MD shows active participation in various scientific forums at home and abroad (53 in total) with scientific topics covering the entire scope of modern hematology. The author's place in the first three places shows the scientific commitment and accumulated professional experience of Assoc. Prof. Iliana Micheva.

Assoc. Prof. Iliana Micheva participation in scientific research projects at home and abroad is considered scientific activity. For the period 1994-2022, Assoc. Prof. Iliana Micheva participated in 17 scientific projects, of which 8 were completed and 9 were active. Data on the type, the financing institution and the role of Assoc. Prof. Iliana Micheva in the projects are presented in Table № 4.

Table № 4. Participation in scientific projects both here and abroad

Type of project	Type of participation	Funding institution	Number
National	participant	Science fund	5
National	manager	Science fund	2
National	participant	Ministry of Health	1
National	manager	Bulgarian Medical Association	1
International	subinvestigator	Austrian group AGMT	1
International	laboratory Coordinator	Patras University Medical School	1
International	Return fellow	NATO	1
National	participant	Ministry of Health	2
International	Postdoctoral researcher	EU	1
International	Chief coordinator for Bulgaria	Radboud University Medical Center, Nijmegen	1
National	Investigator	Medical University Varna	1
Total number:			17

In an additional suggested reference, the most important additional scientific ones are also listed participation of Assoc. Prof. Iliana Micheva: expert activity (to the European Commission, AML Community of Excellence, Expert Council on Clinical Hematology to the Ministry of Health, examination committees for the specialty Clinical Hematology, Transplantation of hematopoietic stem cells, internal diseases, etc.). Active participation in working groups for new medicines, membership in various medical institutes ("doctor", chief assistant, academic positions "Associate professor" and "Professor"). The high professional qualification of Assoc. Prof. Iliana Micheva is confirmed by many certificates (of CEMPO, EBAH Acute leukemia, EBAH MPN, ESH HSCT, ESH AML, TranStem), for specializations at home and abroad, diplomas and certificates, etc. The additional scientific activity indicated in the Regulations of the MU - Varna shows:

- Awards related to research activity or awarded for participation in scientific events - awards from BLS, Greek Society of Hematology, etc.
- Membership in national and international scientific societies and/or institutions, including in their leadership: a member of the Bulgarian Medical Society of Hematology and is a member of the

management board, the European Hematology Association (EHA), the American Hematology Association (AHS), etc.

- Participation in editorial boards at home and abroad: in the editorial board of the scientific journal "Hematology", published by the Bulgarian Medical Society of Hematology.
- Reviewing articles for publications in our and international journals: "Hematology", PRO MEDIC, Schwartz Principles of Surgery, Turkish Hematology Journal. Reviewer of monograph, research projects MU-Plovdiv, etc.

The general evaluation of the scientific activity of Assoc. Prof. Iliana Micheva shows the enormous significance and relevance of the scientific and scientifically applied contributions. As an established and established clinical hematologist, they are her personal work and the team she leads. In addition to further developing and enriching the existing knowledge in the field of hematology, as a leading researcher Assoc. Prof. Iliana Micheva participated in many projects and clinical trials with the latest medications for the treatment of hematological patients.

VI. Complex, qualitative assessment of the teaching activity

Assoc. Prof. Iliana Micheva Iliana Micheva academic and teaching experience is over 14 years (certificate № 099-49/05.01.2023) which includes her work as assistant, chief assistant and associate professor for the period 2008 - 01.04.2023. Attached is an official reference from MU-Varna for academic workload (№ 112-3/04.01.2023), which covers 4 academic years. With a standard according to the decision of the AC of MU-Varna of 99 hours, in the last 3 years (2019-2020, 2020-2021 and 2021-2022) the lectures and exercises are respectively 220-244-284 hours, which shows a high commitment as teacher. Assoc. Prof. Iliana Micheva is responsible for a basic course in clinical hematology in 2022 - 4 people, with duration of 20 days and 160 academic hours (reference 21.01.2023). With an official reference from the Medical University of Varna, it is confirmed that Assoc. Prof. Iliana Micheva is the supervisor of 5 clinical hematology students. Assoc. Prof. Iliana Micheva supervised 3 PhD students who successfully defended their degrees, and is currently the supervisor of 7 more PhD students - 2 on independent training and 5 in regular training (MU-Varna certificate №109-14/09.01.2023). Author in the writing of the Guideline to the diagnosis and treatment of hematological diseases of the Bulgarian Medical Society of Hematology and co-author in a textbook on surgery. She is a member of the permanent scientific-expert committee at the "Scientific Research" fund. Participates in the development of curricula, lectures, tests for students, specialists, doctoral students. Regular and respected participant in exam committees (semester, state exams, specialty exams, doctoral exams). He speaks Greek and English and participates in foreign language studies. The pedagogical qualities and skills of Assoc. Prof. Iliana Micheva her lecture workload and workload with exercises and seminars, activity in postgraduate studies and qualifications give me reason to rate her the highest.

VII. Diagnostic and therapeutic activity

The candidate for position "Professor" has over 14 years of work experience, obtained specialties in internal medicine, clinical hematology, ONS "doctor" and AD "associate professor", for which the relevant diplomas and certificates are available. Certificates for participation in scientific forums both here and abroad, for specializations in the field of clinical hematology and hematopoietic stem cell transplantation, health management, etc., are presented in the evidence. This shows that Assoc. Prof. Iliana Micheva has mastered and passed on her experience in introducing new and unique diagnostic and treatment methods into clinical practice.

VIII. Reference for the contributions of Associate Professor Iliana Micheva

Analyzing the materials presented during the procedure and knowing the candidate's work over the years, I highly appreciate the contributions of Assoc. Prof. Iliana Micheva in the development of clinical hematology in Bulgaria. They are the applicant's personal business. Assoc. Prof. Iliana Micheva successfully represents our country in numerous scientific forums abroad.

IX. Critical notes and recommendations:

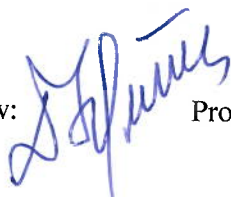
I have no critical notes. I recommend that he continue his work as a clinician, scientist and educator. I find no signs of plagiarism. I have no publications in common with the candidate.

X. General assessment of the applicant's compliance with the minimum national requirements under Art. № 2b, paragraph № 2 and 3, respectively, to the requirements under Art. № 2b, paragraph № 5 of the ZRASRB and the specific requirements for areas and for units with clinical activity, defined in the Regulations for Academic Development in the MU-Varna. My overall assessment of the qualities and scientific works of the candidate for academic position "Professor" is high.

XI. CONCLUSION:

I find that the candidate in the competition for academic position "Professor" Associate Professor Ilina Micheva meets the mandatory, specific conditions and scientometric criteria for holding the academic position "Professor". My assessment is **definitely positive**. I call on the members of the respected scientific jury to vote positively and award academic position "Professor" to Associate Professor Ilina Dimitrova Micheva MD.

Prepared the review:



Prof. Julian Raynov, MD

Date: 15 April 2023

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