



## TO THE SCIENTIFIC JURY

determined by Order R - 2392/ 12.07.24 to conduct a procedure for occupying the academic position "ASSOCIATE PROFESSOR" in Medical radiology and roentgenology (including the use of radioactive isotopes).

### STATEMENT

from

Prof. Dr. Igljka Spasova Mihailova, dm  
Scientific specialty "ONCOLOGY"

INSTITUTION: USBALO - "Prof. Ivan Chernozemski" EAD, Sofia

**Subject:** Competition for the occupation of the academic position "ASSOCIATE PROFESSOR" in Medical radiology and roentgenology (including the use of radioactive isotopes) in the field of higher education "Health and Sports" by professional direction 7.1. "Medicine" at the Radiation and Nuclear Medicine Section, cat. "Clinical Oncology" for the teaching of Bulgarian and English speaking students in medical specialty "Medical radiology and roentgenology" (incl. use of radioactive isotopes) announced for the needs of MU- Plovdiv in the State Gazette, no. 35 /19.04.24 and according to a decision for holding a competition of the Faculty assembly of the Faculty of Medicine of the MU Plovdiv.

The statement was prepared in accordance with the requirements of the LDASRB, Art. 57, paragraph 1 and paragraph 2 of the Regulations for the Implementation of the LDASRB, Art. 6, paragraph 1, art. 127, paragraph 1 and paragraph 2 of the Regulations for the development of the academic staff at the Medical University - Plovdiv

### Candidate's career profile

Dr. Albena Dimitrova Botushanova was born on 05.06.1966. She graduated from the Faculty of Medicine of the Medical University of Plovdiv in 1992 with excellent results. From 07.02.1995 she started working as a resident doctor in the Radiotherapy Clinic in the Laboratory of Radiobiology at UMBAL "St. George" EAD - Plovdiv. She has acquired a medical specialty "Radiobiology" Diploma series Бс No. 000033, Reg. No. 002850/ 06.05.1998. Since 1999, she has been working in the Department of Nuclear Medicine at the Radiotherapy Clinic and in 2003 she acquired a second specialty in Nuclear Medicine - Diploma Series Бс No. 000422, Reg No. 007872/ 27.01.2003. Since 2004, she has been working on the scientific topic "Nuclear medicine methods for the diagnosis of abnormal parathyroid glands in primary and secondary hyperparathyroidism" and obtained the educational and scientific degree "Doctor" in the scientific specialty "Medical radiology and roentgenology" (incl. use of radioactive isotopes) " at the Medical University "Prof. Dr. Paraskev Stoyanov", Varna, Diploma Reg № 336/ 23.05.2019. Since September 2019, she has been elected as an assistant at the Department of Clinical Oncology in MU - Plovdiv. She participates in the teaching of students of medicine and dentistry in the study discipline "Radiology". She is also a teacher at the Medical College - Plovdiv of X-ray laboratory assistants in the academic disciplines "Nuclear Medicine" and "Radiobiology".

Dr. A. Botushanova graduated as a Master in Health Management at the Higher School of Agrobusiness and Regional Development, Plovdiv, Faculty of Economics and Management with Diploma Reg № 336/ 23.05.2019.

Since 2020, she is the head of the Department of Nuclear Medicine at the UMBAL "St. George" EAD - Plovdiv, which operates with hybrid SPECT/CT and PET/CT gamma camera equipment.

From 2021, after a competition, Dr. A. Botushanova, PhD, holds the position of "Chief Assistant" at the Department of Clinical Oncology.

### **Scientific and research activity**

Dr. Albena Dimitrova Botushanova participates in the current competition for the academic position " ASSOCIATE PROFESSOR " with a total of 22 scientific papers related to the author's research activity, described in folder No. 9 of the original documents.

A total of 22 scientific works are presented: 1 dissertation for the acquisition of an educational and scientific degree "Doctor", 1 monograph, 2 contributions to scientific teaching textbooks, 12 scientific articles in journals referenced in foreign databases Web of Sciences and Scopus - 7 in Bulgarian journals and 5 in foreign journals, participation in one chapter of a collective monograph, 5 publications in non-refereed journals and other participation in conferences in the country and abroad. The publications are from interdisciplinary teams in the field of nuclear medicine, nephrology, oncology. Dr. Albena Botushanova is the lead author (up to second incl.) in nine of them. Scientific metrics are characterized by a total IF=15,963 of articles and reports. Dr. Albena Botushanova has a successfully defended dissertation on "Nuclear medicine methods for the diagnosis of abnormal parathyroid glands in primary and secondary hyperparathyroidism", which defines the scientific area to which the candidate's interest is focused.

The main scientific research and innovations of the candidate are:

1. Use of nuclear medicine methods for diagnosis of abnormal parathyroid glands in primary and secondary hyperparathyroidism. A diagnostic algorithm for the study of parathyroid glands has been prepared.
2. For the first time in UMBAL "St. George", Plovdiv, 18F-FDG PET/CT examinations have been introduced for many oncological diseases for the purpose of staging and follow-up.
3. For the first time in UMBAL "St. George" EAD - Plovdiv have introduced SPECT/CT studies with protocols for processing and interpretation of hybrid images for: bone scintigraphy, radioiodine scintigraphy, lung and parathyroid scintigraphy.
4. In 2023, scintigraphy of sentinel lymph nodes was also introduced in UMBAL " St. George"- Plovdiv.

**SELF-ASSESSMENT TABLE FOR MANDATORY MINIMUM SCIENTOMETRIC INDICATORS OF MU-  
PLOVDIV FOR FIELD 7.1. MEDICINE**

GROUP	INDICATORS	VALUE	ASSOCIATE PROFESSOR	PROFESSOR	POINTS
A	1. Dissertation work for awarding the educational and scientific degree "doctor "	50	50		50
B	2. Dissertation work for awarding the educational and scientific degree "doctor of science"	100			
C	3. Habilitation thesis - monograph	100	100		100
	4. Habilitation work - scientific publications (not less than 10) in publications that are referenced and indexed in world-famous databases with scientific information	60/n for each publication			
D	5. A published monograph that is not presented as a major thesis	100	200 points  15 articles, of which 10 in journals referenced in Scopus and/or Web of Science, including 3 articles with IF		
	6. A published book based on a defended dissertation work for the award of the educational and scientific degree "Doctor" or for the award of the scientific degree "Doctor of Sciences" "	40			

	7. Publications and reports published in scientific publications, referenced and indexed in world-renowned databases of scientific information	60/n or apportioned based on contribution protocol			192,5
	8. Publications and reports published in non-refereed peer-reviewed journals or published in edited collective volumes	30/n or apportioned based on contribution protocol			61
	9. Published chapter of a collective monograph	20/n			10
E	10. Citations or reviews in scientific publications referenced and indexed in world-renowned databases of scientific information or in monographs and collective volumes	15	100 points		300
	11. Citations in peer-reviewed monographs and collective volumes	10	7 citations in journals, referred in Scopus and/or Web of Science		
	12. Citations or reviews in non-refereed peer-reviewed journals	5			
F	13. Acquired scientific degree "Doctor of Sciences"	40			
	14. Supervisor of a successfully defended doctoral student (n is the number of co-supervisors of the corresponding doctoral student)	40/n			
	15. Acquired medical specialty	40	60 points-1 scientific project – acquired specialty (professional)		80
	16. Participation in a national scientific or educational project	15			

	17. Participation in an international scientific or educational project	20	direction 7.1. "Medicine)		
	18. Management of a national scientific or educational project	30			30
	19. Management of an international scientific or educational project	40			
	20. A published university textbook or a textbook that is used on the school network	40/n			
	21. A published university textbook or a textbook that is used on the school network	20/n			6,6
	22. Training of interns, specialists and doctoral students (seminars and practical classes)	30			60
G	Teaching activity:				
	Teaching hours (lectures and exercises):		100 points  (for the last 2 y x 0.5 p/teaching hour)		583
	Academic degree:		200 points (Chief assistant - 100 points for 1 year)		200
	<b>TOTAL:</b>		<b>810</b>		<b>1673,1</b>

As can be seen from the table above, Dr. Albena Dimitrova Botushanova meets and exceeds the mandatory minimum scientific-metric indicators for an "ASSOCIATE PROFESSOR".

## II. Teaching activity

Dr. Albena Dimitrova Botushanova is a teacher at MU - Plovdiv, and for 2021/2022 she has 329 teaching hours, and for 2022/2023 she has 254 teaching hours. She is a member of the

