

To the Chairman of the Scientific Jury
Appointed by order No. R-2015/13.07.2023
of the Rector of the Medical University Plovdiv
15A Vassil Aprilov Blvd
4002 Plovdiv, Bulgaria

According to your Protocol No. 1/ 24.07.2023.

STATEMENT OF OPINION

Reviewer: Prof. Dr. Vili Krasteva Stoyanova, MD
Department of Pediatrics and Medical Genetics, Medical University-Plovdiv
Scientific specialty: childhood diseases; medical genetics
Contact address: 4002 Plovdiv; 15A Vasil Aprilov Blvd

P | Заличено на основание
Чл.5 §1, б."В" Регламент (ЕС)2016/679

A competition for the academic position "Associated Professor" in the scientific specialty "Pediatrics", field of higher education: 7. Health care and sports, professional direction: 7.1. Medicine for the Department of Pediatrics and medical genetics" Prof. Dr. Ivan Andreev", announced in the Official Gazette, no. 32 of 04/08/2023 with a candidate: Dr. Hasan Aliev Burnusuzov, PhD.

The competition announcement follows the procedure.

I. Analysis of the candidate's career profile.

Dr. Hasan Burnusuzov graduated in medicine from Medical University – Plovdiv in 2007. Over the period 2007-2010 he has worked consecutively at the Cytomedika AGPPMP, Plovdiv and Vela Medical Center, Plovdiv. From 2010 to the present, he is a doctor at the Clinic of Pediatrics and at the Laboratory of Clinical Immunology, UMBAL "St. Georgi" city of Plovdiv.

He acquired a specialty in "Pediatrics" in 2014, and in 2022 - in "Clinical Immunology". In parallel, his academic career began in 2009. In 2013 on the basis of a PhD- dissertation work on the topic "Flow cytometric monitoring of minimal residual disease in children with acute lymphoblastic leukemia" he was awarded the educational and scientific degree "Doctor" (PhD) in the scientific specialty "Pediatrics".

He has conducted a number of specializations in pediatric oncohematology, clinical immunology and flow cytometry in Bulgaria and abroad.

He speaks English, German and Turkish.

Dr. Burnusuzov is a member of the BMA; Bulgarian Pediatric Association; Bulgarian Medical Society of Pediatric Oncohematology; Bulgarian Association of Clinical Immunology; European Society for Pediatric Oncology - SIOPE /The European Society for Pediatric Oncology; from 2018 and I-BFM ALL FLOW MRD SG network.

II. General description of the submitted materials for the competition.

The submitted materials for the competition have been prepared in accordance with the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria and the Rules for its Application, as well as the Rules for the Organization and Activities of the Medical University - Plovdiv.

III. Evaluation of the scientific works of the candidate and the overall academic development.

For the competition, Dr. Burnusuzov submitted 32 publications. Of these, 14 publications in scientific journals, referenced and indexed in Scopus and Web of Science (287.24 points), 4 of which are in international IF bearing journals, and 18 publications in non-referenced journals or edited collective volumes (198.79 points).

The total IF of the full-text publications is 17,321.

Dr. Burnusuzov is a co-author of a Bulgarian edition of a textbook on pediatrics edited by Prof. Bosheva, ISBN 978-619-189-088-0.

In addition, the candidate has scientific communications in 4 international congresses or conferences, with the abstract of 1 communication published in journals with IF.

Participation in scientific projects

Dr. Burnusuzov participated as a co-researcher in 9 projects, 5 of which were funded by the Ministry of Education and Culture: "Creation of an algorithm for multiparameter follow-up of minimal residual disease in children with acute lymphoblastic leukemia" (2012); "Effect of mitochondrial inhibitors in vitro and ex vivo on resistant and relapsed childhood acute lymphoblastic leukemia" (2018); "Bioenergetics, self-renewal and genetics in the glucocorticoid response and resistance of pediatric acute lymphoblastic leukemia cells" (2018); "Personalized Innovative Medicine (PERIMED)" (2014); "Program for Strategic Research and Innovation Development of Medical University - Plovdiv (PSNIIP-MUP)" (2023) and four received intra-university funding: "Effect of Atovaquone on cellular metabolic activity in childhood acute lymphoblastic leukemia" (2018); "Development and Implementation of Multiparameter Flow Cytometry with Multidimensional Computer Analysis for Early Detection of Minimal Residual Disease in Childhood Acute Lymphoblastic Leukemias" (2020); "Anti-L-Asparaginase Antibodies and Cellular Metabolism in Childhood Acute Lymphoblastic Leukemia" (2021); Exploring the role of anti-neuronal antibodies as a biomarker in patients with paraneoplastic neurological syndrome' (2022).

Evaluation of scientific contributions

Dr. Burnusuzov's scientific interests are in the field of pediatric oncohematology and clinical immunology (acute lymphoblastic leukemia, paraneoplastic syndrome, thrombocytopenia, acute hemolysis, target therapy and immunotherapy in the treatment of malignant diseases, immunological aspects in etiopathogenesis, diagnosis and therapy of some rare, but significant diseases). The candidate has special interests in the field of multiparameter flow cytometry.

Scientific and scientific-applied achievements

Most significant are the candidate's achievements in the field of acute lymphoblastic leukemia.

For the first time in Bulgaria, a systematic prospective study of MRD in children with acute lymphoblastic leukemia (ALL) was carried out, using a modern, highly sensitive 8-color multiparameter flow cytometric (MP FCM) methodology (P№9).

The 8-color MP FCM methodology for monitoring MRD in children with ALL has been standardized in Bulgaria and validated, and it has been proven that the 8-color MP FCM has sufficient informativeness and reliability to be used as a routine stratification criterion in children with ALL (R#9, P№13.13).

For the first time in Bulgaria, the application of anti-GD2 immunotherapy in patients with metastatic, GD2-positive Ewing's sarcoma (ES) or Ewing-like sarcoma is being described. The authors of the publication point out that "despite multimodal therapy, the prognosis of these patients remains poor and new treatments are urgently needed. The study is a promising therapeutic option" for further clinical evaluation.

The candidate has serious achievements in researching the role of targeted therapy and immunotherapy in the treatment of malignant diseases, as well as in pediatric rheumatology, as modern, highly effective even in malignant and benign cases resistant to classical therapy, with fewer side effects and is well tolerated.

Special attention is paid to palliative care for children with oncohematological diseases, as well as to moral and ethical problems at the end of life, with a number of issues of anesthesia, supportive therapy, but also problems such as euthanasia and the patient's resuscitation status being affected.

With high professionalism, Dr. Burnusuzov examines complex therapeutic problems, in a number of casuistic cases, representing scientific practical interest not only for specialists, but also general practitioners, students and trainees, due to the challenges they pose to the doctor.

Dr. Burnusuzov's scientific pursuits are up-to-date, in-depth and of high practical value.

IV. Evaluation of the monographic work or equivalent publications submitted for participation in the competition.

In connection with the habilitation procedure, a monograph - habilitation work on the topic "Primary immune deficiencies with predominant deficiency of antibodies"; Medical University - Plovdiv, 2023. ISBN 978-619-237-111-1 is presented.

It describes the modern achievements of medical science in the field of primary humoral immune defects with predominant antibody deficiency. The book reflects the modern classifications and focuses on the heterogeneous clinical manifestations of these PIDs, and the recommendations of the leading centers for the diagnosis and treatment of these conditions. Highly rated by the two reviewers, the monograph represents the first contemporary publication on the subject in our country and is a useful handbook for all professionals involved in the field of primary immune deficiencies with a predominant deficiency of antibodies.

V. Reflection (citation) of the candidate's publications in national and foreign literature (publication image).

Dr. Burnusuzov has 24 citations in Scopus and Web of Science databases and 3 more citations in non-referenced journals, monograph or book for the period 2018-2023.

Scopus Hirsh index – 3.

VI. Complex, qualitative evaluation of the teaching-methodical and teaching activity, incl. scientific guidance of students, doctoral students, specialists.

Dr. Burnusuzov has 8 years of teaching experience. According to the presented reference, the candidate's study load varies from 463 to 1022 hours for the last 3 academic years, which significantly exceeds the standard requirements for a clinical specialty. The general attestation evaluation of Dr. Hasan Burnusuzov for the period 2018-2020. is very good - out of a total of 74 points, with recommendations to increase its publication activity.

CONCLUSION

Dr. Burnusuzov is a talented scientist, recognized at home and abroad; he skillfully combines research and diagnostic and treatment activities; he has a broad and deep knowledge of pediatrics and clinical immunology, which he is constantly improving.

The significance of the scientific contributions, the active teaching and diagnostic-treatment activity, the publication activity in prestigious journals and the high citation rate of the candidate define him as an established researcher and expert in the field of pediatrics and clinical immunology.

Based on the submitted materials for the competition, I can confirm that Dr. Hasan Aliev Burnusuzov fully meets the requirements of the Law on the Development of the Academic Staff in the Republic of Bulgaria and the Regulations on the Terms and Conditions for Acquiring Scientific Degrees and Holding Academic Positions in MU - Plovdiv in order to occupy the academic position "Associated Professor" in the scientific specialty "Pediatrics". There is all the required amount of scientific activity, publications and teaching activity.

I strongly recommend to the members of the esteemed Scientific Jury to award the academic position of "ASSOCIATED PROFESSOR" in the scientific specialty "Pediatrics" to Dr. Hasan Aliev Burnusuzov for the needs of the Department of Pediatrics and Medical Genetics, MU-Plovdiv.

Prof. Dr. V. Stoyanova

Заличено на основание
Чл.5 §1, б."В" Регламент (ЕС)2016/679