

**To the Chairman of the Scientific Jury  
at the Medical University of Varna,  
appointed by order № 109-397/20.09.2021  
of the Rector of Medical University of Varna,  
by procedure for the academic position of "Associate Professor"  
in Pneumology and Phthisiatry to the First Department of Internal Medicine  
at the Faculty of Medicine of Medical University of Varna  
with candidate Chief Assistant Professor Dr. Pavlina Angelova Peneva, MD.**

## **STATEMENT**

**From Prof. Blagoi Ivanov Marinov, MD, PhD  
Department of Pathological Physiology, Medical University of Plovdiv**

**About:** Competition for the academic position of "Associate Professor" in the field of higher education 7. Health and sports, professional field 7.1. Medicine, specialty "Pneumology and Phthisiatry" for the needs of the Department "First Department of Internal Medicine at the Faculty of Medicine" Medical University of Varna

### **Brief biographical data**

The only candidate in the announced competition is Dr. Pavlina Angelova Peneva, MD, Chief assistant professor in the Department of Internal Medicine, Clinic of Pulmonary Diseases and Allergology, Medical University - Varna. She was born on June 8, 1973 in the city of Silistra. She acquired her secondary education at High School of Natural Sciences and Mathematics "St. Kliment Ohridski". She graduated in 2001 at the Medical University - Varna "Prof. Dr. P. Stoyanov. Dr. Peneva's professional path began as a physician in several Primary health care providers, passed through the Naval Hospital of Varna and in 2016 after winning a competition became an Assistant Professor at the First Department of Internal

Medicine in MU "Prof. Dr. P. Stoyanov"- Varna. From 2020 until now she is a chief assistant professor in the same department. In 2019 she defended a PhD thesis on "Prognostic markers in clinical and laboratory evaluation of septic patients" at the Medical University of Varna. Dr. P. Peneva has two specialties - internal medicine and pneumology and phtisiatry. She is also a member of several professional societies - Bulgarian Medical Association, Bulgarian Society of Lung Diseases and European Respiratory Society (ERS). She speaks English and German.

### **Evaluation of teaching activity**

The curricular activities of Dr. P. Peneva for the last five years include 886 equivalent hours. In recent years, the candidate has participated in the English Language Education of medical students. She conducts lectures for students of English Language Education and practicals in pulmonology for students of medicine 7th and 8th semester ELE and BLE.

### **Evaluation of the main areas of scientific interest of Dr. P. Peneva**

The fields of scientific interest of Dr. P. Peneva are mainly directed towards studies on modern aspects of diagnosis and treatment of sepsis in ICU. Other research areas in which she works are early diagnosis and treatment of lung infections, approaches for diagnosis and treatment of non-infectious lung diseases, difficulties in the diagnosis and treatment of chronic kidney disease, diet therapy in kidney disorders, and other areas related to the health of the individual and public health. The data from these studies is presented in international forums and cited in the scientific literature.

### **Contributions in the scientific publications of Dr. P. Peneva.**

The contributions of her PhD dissertation and related publications are 6:

1. Implementation of DNI as a marker for sepsis and septic shock in Bulgaria.
2. The correlation between DNI, IL8 and protein C as markers for sepsis and septic shock and prognosis of mortality is the first of its kind for our country.
3. First in Bulgaria comparison between SIRS and SOFA scores after the adoption of the new criteria for sepsis in 2016.
4. Proposed algorithm for action in sepsis-suspected patients based on DNI, protein C and antithrombin III.

5. The role of obesity, male gender and cardiovascular comorbidity as risk factors for the development and death in sepsis and septic shock is confirmed.
6. The correlation between IL8 and antithrombin III with organ dysfunction and lethality has been established.

of which contributions 1, 2, and 3 are theoretical, while contribution 4 can have practical application with regard to the diagnosis and treatment of sepsis suspected patients.

The presented list of the candidate's scientific production includes **23** titles, of which 19 articles, 1 abstract of a PhD dissertation, related to her scientific publications. From these:

1. Full text publications in indexed journals with Impact Score - 2 articles with an IS of **1.68**.
2. Publications in Bulgarian magazines - 19 pcs.
3. Publications in English – 3 pcs.
4. Monographs - 2 pcs.

Dr. P. Peneva is the sole author in 7, first author in 11 and co-author in 3 of the publications. The total IF of the scientific activity is **0**. Four of the publications are related to her PhD thesis, of which all in Bulgarian journals and 2 participations (1 in Bulgaria and 1 abroad). Out of 19 publications not related to the dissertation, 19 are publications in scientific journals in Bulgaria.

No chronological list of articles and participations is provided, which would greatly facilitate the review and overall evaluation of the scientific output. There are no publications in international journals with IF.

**The scientific activity** of Dr. P. Peneva numbers 4 titles, in all of which she is the first author. The total IF of the scientific activity is **0**.

The total IF of the **scientific publications** and the **scientific activity** of the candidate is **0**. The noted citations of works in which Dr. P. Peneva is the author and / or co-author are a total of **7**, of which in foreign publications - 1 and in Bulgarian scientific journals - **6**.

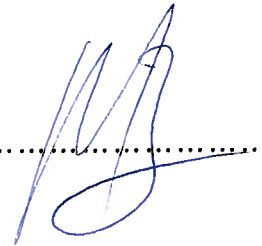
## Conclusion

The science metrics indicators presented by the candidate do not meet the minimum criteria set by the respective laws in Bulgaria and the Regulations for career development in Medical University of Varna, as a requirement for holding the academic position "Associate Professor". As a member of the Scientific Jury for the announced competition, I give a **negative** opinion to the candidate and recommend to the Honored Jury not to award Dr. Pavlina Angelova Peneva the academic position of "Associate Professor" in Pneumology and Phthisiatry in the First Department of Internal Medicine at the Faculty of Medicine at the Medical University of Varna.

20/dec/2021

City. Plovdiv

Signature: .....



(Prof. Blagoy Marinov, MD, PhD)