REVIEW

From: Prof. Valentina Boyanova Petkova-Dimitrova, Ph.D., Vice-Rector for Science and Accreditation, Medical University - Sofia, member of the Scientific Jury, incorporated by Order RD-38-237 of 16.05.2022. of the Rector of Sofia University "St. Kliment Ohridski"

Regarding

Competition: Academic position "Professor" in professional direction 7.3 Pharmacy (Social medicine and organization of health care and pharmacy), announced in SG no. 30 from 15.04.2022

The only candidate is Associate Professor Emil Ivanov Hristov, Ph.D

Biographical data

Associate Professor Emil Hristov was born in 1966. In 1993, he successfully graduated from the Medical University - Sofia, as a Master of Medicine. In 2000 acquired a specialty in internal medicine from MU-Sofia, and a little later in the same year also a specialty in clinical pharmacology and therapy at MU-Sofia. In 2006 he also acquired a specialty in gastroenterology. He has a recognized legal capacity in "Conventional gastrointestinal endoscopy with biopsy - first level" in 2008, as well as a recognized legal capacity in "Conventional ultrasound - Abdominal ultrasound and surface structures - first level" in the same year.

2013 successfully defends a PhD thesis on the topic: "Analysis of some regulatory aspects of the drug safety of biotechnological and high-tech medicinal products and new active substances" and acquires the PhD degree in the scientific specialty "Social medicine and organization of health care and pharmacy" (code 03.01. 53).

His career began as a resident physician at the Gastroenterology Clinic, St. Ivan Rliski State University Hospital, Sofia Medical University. After that, he worked as a ward doctor at the District Workers' Hospital "Rahila Angelova" - Pernik, III internal polyclinic department. In the period 1994-2014 successively held the positions of resident physician, assistant, senior assistant and chief assistant at the Clinic for Internal Medicine Therapy and Clinical Pharmacology, State University Hospital "St. Ivan Rliski" - Sofia, MBAL "St. Ivan Rilski" EAD - Sofia, Medical University - Sofia. In the period 2004-2009 is the executive director of IAL.

Since 2014 after a competition, he was appointed associate professor of Social Medicine and Organization of Health Care and Pharmacy at SU "St. Kliment Ohridski", where he works until now.

Associate Professor Hristov has also held the following positions in national and European commissions: member of the Specialized Commission for Authorizing Clinical Trials in the Republic of Bulgaria to the Minister of Health, Chairman of the Positive Drug List Commission to the Council of Ministers, member of the Transparency Commission to the Council of Ministers, member of the National Council on Drugs under the Council of Ministers, Chairman of the Pharmacopoeia Committee of the Republic of Bulgaria under the Minister of Health, Observer of the Management Board of the European Medicines Agency (representative of the Republic of Bulgaria), member of the Management Board of the European Medicines Agency (representative of the Republic of Bulgaria), member of the Group of Heads of Medicines Agencies in the EU (representative of the Republic of Bulgaria), member of the Pharmaceutical Committee of the EC (representative of the Republic of Bulgaria), member of a working group under the leadership of Prof. Toni Spasov - Dean of the SU , member of the Board of Pharmacy of SU, member of the Standing Committee on Health Care and Sports of NAOA, External Expert to the Committee on OST, member of the Supreme Council of Pharmacy.

From 2010 -2014 held a managerial position in Farmadvice EOOD, Sofia.

His rich career path and multi-faceted expertise in the field of drug regulation, practice and control is the basis for his rich creative activity, as it gives him access to all aspects of drug realization - from the creation of the drug, its clinical trials, pricing and practical application to control of all activities with drugs to later include in their scientific studies.

General description of the presented materials:

The review of the submitted documents shows that the procedure for disclosure and announcement of the competition has been followed, the documents have been submitted in accordance with the requirements of the Regulations for the Development of the Academic Staff of SU "St. Kliment Ohridski".

From the academic report of Prof. Emil Hristov, Ph.D. regarding the publications, citations and scientific profiles of the scientometric indicators for holding the academic position of professor, it can be seen that in the current competition he participated with a total of 39 scientific publications, including 27 publications and reports published in referenced and indexed in world databases, all in English; 12 monograph chapters and 41 publications and reports in non-refereed peer-reviewed journals or published in collective volumes.

He co-authored 1 textbook - "Fundamentals of Pharmacoeconomics" with an international team in 2016 and 2 teaching aids - in 2012.

Prof. Hristov is the first author in 6 of the chapters in collective monographs (50%) and 4 (15%) of the publications referenced and indexed in world-renowned databases with scientific information. He is second author in 8 publications.

Assoc. Prof. Hristov's scientific research activity also includes presenting reports, published summaries and full-text materials at national and international scientific events, 11 of which are in refereed editions, and 24 of the participations are with reports in international scientific forums or national with international participation.

The reference for citations shows established 44 citations in refereed publications, with 20 citations in sources from Bulgaria and 18 in the accessible databases according to the CML reference. No self-citations noted.

The candidate participated in the teams of 5 scientific research projects financed by the Scientific Research Institute of the University of St. Kliment Ohridski", as he is the head of 3 projects, and two have started this year.

Based on the presented scientific evidence of Prof. Hristov, his scientific interests in the medical and social sphere, drug and pharmaceutical regulation and pharmacoeconomics can be summarized. The candidate has systematized his contributions in a total of 11 subject areas:

- Drug safety supported by 8 scientific publications and reports at scientific forums in Bulgaria. The place and importance of the pharmacist in drug safety, active work with patients, as the main duty of pharmacists, are presented, the fundamental aspects of drug safety, its scientific and regulatory importance and practical application are discussed and developed. One of the submitted works is a non-interventional prospective study of adverse drug reactions, and the study was conducted according to an author's protocol original for the country.

- Clinical trials – 7 publications in total, as this is a strictly specific field and demonstrates the interdisciplinary approach, knowledge and skills of the candidate. Author data from originally designed interventional and non-interventional study protocols are presented. All studies are original in nature.

- Counterfeit medicinal products - a total of 6 articles. The developments in the field of counterfeit medicinal products are original, the Bulgarian experience is indicated, unique examples of counterfeit medicinal products discovered on the Bulgarian market are presented. An analysis of the regulatory framework was made, original scientific applied and methodological guidelines were developed. The first study in Bulgaria of the practical introduction of serialization and the preparation of pharmacists was conducted, which appears. An original algorithm was developed for inclusion in the system for serialization and verification of medicinal products.

- Drug policy, drug regulation, information and promotion – 12 publications, mainly reports from national and international scientific forums were presented, where the ways and means of synchronizing the national drug legislation of the countries joining the EU were discussed. The Bulgarian experience, problems and successes are presented, as well as the practical steps in the implementation of European legislation in the field of drug regulation, the national drug policy, the tasks facing regulators and the pharmaceutical industry, the benefits for society as a whole, the uniqueness of the processes for each country, etc. The main contributions are of an analytical and applied nature.

- Rational medicinal use – a total of 6 publications, on medicinal usability and rational medicinal use on a macro- and micro-level for the entire medicinal market and for specific therapeutic classes. Some of the developments are original in nature.

- Health policy and health management - a total of 7 published chapters from a collective monograph. The publications are aimed at managing hospital resources, basic concepts and parameters, strategic planning, diagnostics, analysis and planning of key internal organizational factors in hospital care, priorities in hospital management for quality assurance of the management cycle and others are discussed.

- Pharmacoeconomics – total of 11 publications, developments by original design to assess health-related quality of life in different populations of sick and healthy volunteers. The most important of them are the assessment of the health status of pharmacy students and patients with systemic vasculitis.

- Clinical pharmacology and therapy - two monographs and a series of scientific publications are presented, containing fundamental data on pharmacology and clinical pharmacology, results of clinical studies, clinical-pharmacological aspects of the application of specific therapeutic classes of medicinal products and others.

- Publications with a medical focus - this section includes 2 chapters of monographs (1,2), 2 clinical cases, 1 scientific publication and 5 reports from scientific conferences, 2 abroad. Of significant clinical and therapeutic importance are the two case reports that describe an extremely rare pathology that has not yet been well systematized. The two reports at forums abroad (5,6) in which analysis of new therapeutic approaches and methods for monitoring biological products is an original contribution.

- History of pharmacy - a total of 5 publications, in an extremely underdeveloped field for our scientific community, the most significant of which is the original scientific article describing the life and work of the first female pharmacists in Bulgaria.

- Pharmaceutical Care - includes 3 articles and 2 reports evaluating various aspects of pharmaceutical care, with data resulting from in-house studies of in-house design.

The results of the scientific research activity of Prof. Hristov are of high scientific value and of great importance for the development of Bulgarian pharmacy and its harmonization with other European and world pharmaceutical practices. The submitted statement of author contributions highlights the author's research contributions and provides comprehensive evidence for this competition.

I had the pleasure of getting to know the works of the doctoral students, supervised by Prof. Hristov, who defended successfully, and I can quite responsibly state that the topics developed in their dissertations are contemporary pressing pharmaceutical issues, with clear messages for their solution, which undoubtedly shows Prof. Hristov's ability to formulate interesting topics from a research point of view and create a good scientific school in his wake.

Educational - teaching activities:

From the attached report on the study load of Assoc. E. Hristov, it is clear that he has the required pedagogical experience and activities at the department level in the FChPh of SU "St. Cl. Ohridski". References by year for academic workload cover and exceed the requirements of the SU Regulations. Subsequently, he has passed through the academic positions of assistant, senior assistant, chief assistant and associate professor. During the academic year 2014/15, he obtained his habilitation and has the necessary academic load, actively participating in teaching students for the Master's degree in 7.3 Pharmacy in the disciplines - History of Pharmacy, Social Pharmacy and Pharmaceutical Legislation, Pharmacoeconomics, Pharmaceutical Care - in Bulgarian and English language. Prof. Hristov has the necessary experience, skills and attitude to deliver lectures and lead practical exercises and seminars. The combination of knowledge in medicine, pharmacy, marketing, management and public health and health care give him the opportunity to look at specific pharmaceutical cases from a different angle, which enriches the educational process and ignites the students' interest in their future professional realization.

Summary:

The submitted materials for the competition, which fully meet the requirements of the regulations of SU "St. Kliment Ohridski", provide indisputable evidence that Associate Professor Emil Ivanov Hristov, Ph.D., meets all the basic and additional requirements for occupying the academic position of "Professor" at SU "St. Kliment Ohridski", according to PURPNSZAD in the university, ZRASRB and the Regulations for its implementation. The total number of points in the procedure – 2137, many times exceeds the minimum national requirements and those of SU-FHF.

Conclusion

From the analysis of scientific works, scientific activity, teaching activity, scientific contributions and their evidence, it can be concluded that Associate Professor Emil Ivanov Hristov, Ph.D., meets all the criteria for awarding the scientific rank "Professor". He is a built and valuable teacher, a scientist with extensive experience, who can serve for scientific research and training of young personnel in the field of social medicine and pharmacy. He repeatedly exceeds the requirements for occupying the academic position of "professor", in accordance with the Law and the Regulations for the conditions and procedures for acquiring scientific degrees and occupying academic positions at SU-FChPh.

Based on all the above facts, documents and circumstances, I allow myself to recommend to the esteemed jury to choose as a professor in the field of higher education 7. Health care and sports, Professional direction - 7.3 Pharmacy, Scientific specialty - Social medicine and organization of health care and pharmacy, Associate Professor Dr. Emil Ivanov Hristov, Ph.D.

11.08.2022г. Reviewer

Sofia Prof. Valentina Boyanova Petkova-Dimitrova, DSc