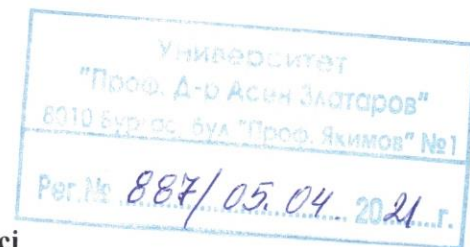


STATEMENT

By Prof. Petia Tzvetkova, DMedSci



Medical Faculty, University “Prof Asen Zlatarov” Burgas

Concerning: Participation in competition for academic position Professor in scientific specialty Pathophysiology for need of University “Prof Asen Zlatarov”, Burgas

Published in Government journal, issue 105 / 11.12.2020

On the grounds of order №ПД 9/20.01.2021 of the Rector of University “Prof Dr Asen Zlatarov” Burgas , I was elected as member of scientific jury in a competition for the academic position of Professor published in Government journal, issue 105, dated 11.12.2020. I have been informed that the only candidate is Prof Dr Ganka Bekyarova.

Prof G.Bekyarova has organised the document property and they are conformant with the requirement of the Law for development of the academic staff in republic Bulgaria and regulation for the terms and conditions for acquisition for scientific degrees and taking an academic position in the University “Prof Dr Asen Zlatarov” town of Burgas

Studies and Lecturer Evaluation

Prof G.Bekyarova is a recognized lecturer with an academic carrier dating back to the year of 1980 with her appointment as an assistant at the Medical University of Varna. In 1984 she completed her specialty in Pathophysiology. In 1999 she was awarded the academic title of Associate Professor of Pathophysiology, and in 2016 -the academic title of Professor. In 1990 she defended a PhD thesis entitled“ Changes In Functional Properties of Erythrocytes Connected With Free Radical Oxidation In Thermal Trauma”, and in 2014 she defended her DMS dissertation entitled “Study Of Some Possible Mechanisms Of Liver Injury Related To Oxidative Stress Under The Conditions of Experimental Thermal Trauma And Melatonin Role In Hepatoprotection”.

In her development as a lecturer she has passed through all stages of holding and organization of the study process in the discipline of Pathophysiology.She has held practical classes and conducted full lecture courses in Pathophysiology intended for students in the specialties of Medicine, Dental Medicine, Pharmacy and students majoring in the Medical Colleges.She also conducted an entire course of lectures before students in Medicine and Dental Medicine - English Education,and separate lectures in the “General and Operative Surgery” Program.

Prof G.Bekyarova has gained significant experience in the development of study programs in the lectured disciplines of Medicine, Dental Medicine, Pharmacy, and the Medical Colleges. She is a member of the State Examination Commission for Recognition of the Specialty of “Pathophysiology”.

She has been elected many times a member of the scientific juries for acquisition of an education and academic degrees and academic positions in the boards of editors, as well as a reviewer of scientific papers in Bulgarian and foreign journals.

Scientific Activity Evaluation

Prof Dr G.Bekyarova has taken part with 50 scientific publications, three textbooks, five practical guides in the announced competition for "Professor" in pathophysiology for the needs of University "Prof Dr Assen Zlatarov"-Burgas. 22 of her scientific articles have been published in journals with an impact factor, and in journals with referred and indexed in world-famous scientific information databases. Prof G.Bekyarova is the lead author of 26 (60%) of the scientific papers presented for participation.

The list of scientific papers includes 12 participations in international scientific forums and 38 national scientific forums with international participants with published summaries.

The total impact factor of the publications (IF=10.401) and the summaries (IF=15.393) is 25.794 according to Thomson Reuters/Web of Science.

The scientific publications of Prof G.Bekyarova have been cited positively 191 times in scientific journals with referred and indexed in the world-famous scientific information databases Web of Science, Scopus, Google Scholar and eLibrary, and other 50 times.

Her Hirsch index (h-index) according to Google Scholar is 11.

Documents for management and or participation in four research and teaching projects have been presented.

Prof Dr G.Bekyarova is member of the boards of reviewers of the journals "Biomedical & Clinical Research", "Oxidants and Antioxidants in Medical Science". She has been a reviewer of the journals "Oxidants and Antioxidants in Medical Science", "Central European Journal of Medicine", "Journal of Biomedical and Clinical Research".

The scientific studies of Prof G.Bekyarova are focused on several fields, namely:

- *Cellular and Molecular Mechanisms of Liver Injury and Hepatoprotective Effects of Melatonin*

These are studies that show the connection between the mechanisms of liver injuries in case of a thermal trauma and the oxidative stress, with the uncontrollable production of free radicals, inflammatory cytokines, with the disturbed antioxidant protection and endothelial dysfunction, as well as the effects of melatonin—antioxidant, anti-apoptotic and anti-inflammatory through a change of the expression of transcription factors (Nrf2 stimulation and NF kB suppression).

- *Pathophysiology of cellular injuries during oxidative stress. Protective effect of antioxidants and probiotics*

21 papers prove for the very first time that melatonin acts as a Redox modulator and limits apoptosis in the gastric mucosa in cases of an experimental thermal trauma. The antioxidant protective effect of probiotics (Biomilk, Biostim) has been shown in a number of experimentally induced injuries (ethanol-induced gastric ulcer, hepatotoxicity, radiation)

- *Experimental Studies in Metabolic Syndrome*

9 studies present original data for the protective effects of S-Adenosyl methionine (SAM) via reduction of lipogenesis, extra-hepatic precipitation of lipids and apoptosis in the fructose-induced model of a metabolic syndrome

- *Contemporary Approaches in Teaching Pathophysiology*

Based on conducted a survey and analysis of the own experience, the advantages of the Problem-Based Learning (PBL) are presented, which may be deemed an applied contribution. The monograph of Prof. G.B. entitled "Endothelial Dysfunction, Vascular Oxidative Stress and Cardiometabolic disorders: Pathophysiological Mechanisms and Clinical Application" is a modern pathophysiological textbook to each student and clinician.

Conclusion

The documentation presented in this competition is of full volume and meets the criteria and even exceeds them. Prof Dr G. Bekyarova is a recognized lecturer with a scientific production that is significant in view of its quantity and quality. The quantitative scientific and scientometric criteria (impact factors and number of citations) provide information for the scientific production in reputable journals and reflect the interest of the scientific community. The overall evaluation of the professional development, the educational and lecturing activity and scientific production of Prof Dr G. Bekyarova give me grounds for a positive statement, and I propose the members of the scientific jury to choose „Professor“ Prof. G.B., professional field of Medicine, specialty of Pathophysiology, for the needs of the Faculty of Medicine of University "Prof. Dr Asen Zlatarov" - Burgas.

05.04.2021

Burgas

Signature by

Prof . P. Tzvetkova, DMedSci