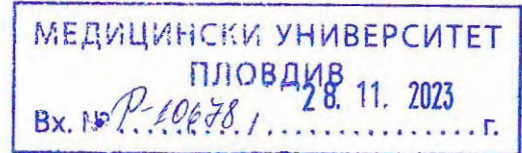


STATEMENT



From Prof. Jana Tchekalarova

Institute of Neurobiology, Bulgarian Academy of Sciences

Subject: Competition for the occupation of the academic position "Docent", Higher Higher Education Natural sciences, mathematics and informatics, Professional direction 4.3. Biological Sciences, specialty "Physiology", for the needs of the department "Physiology", Faculty of Medicine, MU-Plovdiv

1. Procedure

By the Order No. №P-2010 /11.10. 2023 of the Rector of MY-Plovdiv, I have been designated as a member of the Scientific Jury (SJ) for holding a Competition for occupying an academic position "Docent", Higher Higher Education Natural sciences, mathematics and informatics, Professional direction 4.3. Biological Sciences, specialty "Physiology" announced in SG No. 65/28.07. 2023.

One candidate applied and was admitted to the competition – chief assist. Dr Peter Hrishev. The present procedure and the documents and materials presented to me related to it are in accordance with Art. 29 of the Law on the Development of the Academic Staff in the Republic of Bulgaria (LDASRB) and the Rules for the Development of the Academic Staff of IMicB-BAN. The scientific works presented in the competition do not repeat those indicated in the abstract of the dissertation for the award of the educational and scientific degree "Doctor" and in the competition for the academic position "Assistant Professor".

I declare that I have no conflict of interest regarding the announced competition.

2. Education and career development

Chief Assistant Petar Ivanov Hrishev graduated in 2013 from the Faculty of Medicine, Medical University-Plovdiv, specialty "Medicine", Master. In 2014, he was appointed as an assistant in the faculty of "Physiology" after a competition at the department of "Physiology", MF - MU-Plovdiv. In 2018, he obtained a PhD in Physiology from the National Academy of Sciences, after a successfully defended dissertation at the Department of Physiology, MF - MU-Plovdiv. In the same year, he majored in physiology. Dr. Hrishev appointed as chief assistant after a competition in the "Physiology" department and became responsible for research activities in 2020.

3. Scientific interests

The scientific interests of Ch. Assist. Hrishev are diverse and related to studies in the following areas:

1. Metabolic syndrome – preclinical and clinical studies
2. Preclinical studies in norm (the expression of serotonin, ghrelin and receptors in the gastrointestinal tract of embryos and newborns; effects of new generation triptans on hemodynamic parameters; effects of Xylooligosaccharides and aerobic training on metabolism, cognition, oxidative stress and lipid profile)
3. Preclinical studies in pathology (role of melatonin deficiency in different age periods on physiological and metabolic parameters; effects of prebiotics in a type 2 diabetes model)
4. Clinical studies (parameters of prehypertension)
5. Others (LPL expression in liver and adrenal gland; mast cells and their density in the common hepatic duct of the domestic pig; chemical composition and toxicity of some plants from the Bulgarian flora).

4. Scientific research activity

Scientific metrics:

The scientometric data of the candidate Ch. Assist. Hrishev are fully in accordance with the minimum criteria and indicators recommended in the normative documents for evaluation by a Scientific Jury when conducting a competition for "docent".

The comparative analysis of the minimum national requirements under Art. 2b of LDASRB for area of higher education Higher Higher Education Natural sciences, mathematics and informatics, Professional direction 4.3. Biological Sciences, specialty "Physiology" with the attached report on the actual points of the candidate proves that Ch. Assist. Hrishev meets the minimum national requirements for holding the academic position " docent ". The detailed analysis of the relevant groups of indicators shows the following: Indicators A - 50 points (required 50 points), B3 – 100 points (required 100 points), D7 - 227 points (required 200 points), Indicator D is 50 points with a minimum required 50 points, Indicator E14 – 60 points + E20 -40.52 points - total 100.52 points (required 100 points), Indicator Ж2 - 1010.9 t + Ж3 - 300 t - total 1310.9 t. (required 360 points).

TOTAL NUMBER OF POINTS: 1,838.42 points out of a minimum of 760 points according to the ZRASRB according to the requirements of the Regulations of MU-Plovdiv.

As can be seen from the reference made, by group of indicators the values of the head Hrishev more than twice the minimum national requirements and the requirements according

to the Regulations of the MU-Plovdiv for occupying the academic position "Associate Professor".

Chief Assist. Hrishev has an active scientific activity and is a participant in a total of 6 research projects, 4 of them intra-university and two of them financed by the National Science Fund. The results of these scientific projects are presented in a total of 21 scientific publications on the competition, which are from the last few years. A total of 25 citations are presented, from which it follows that the candidate's research is up-to-date and finds a wide response in the scientific community. The scientific results presented for review are mainly from the field of higher education 4. Natural sciences, mathematics and informatics, Professional direction 4.3. Biological sciences, specialty "Physiology". Chief Asst. Hrishev is the author of a monograph published in 2022 with an emphasis on pathophysiological changes in an experimental model of obesity. His dissertation work for the award of ONS "doctor" is on the topic: ""Functional, hormonal and clinical-chemical aspects of diet-induced metabolic syndrome in male and female rats under conditions of submaximal training", 2018 with scientific supervisor prof. Katerina Georgieva, dm. According to the presented reference from the database Scopus and Web of Science, more than 16 citations of his publications (without self-citations) were found in specialized scientific journals, with H INDEX ACCORDING TO SCOPUS 2.

Analysis of scientific contributions

The main contributions from the scientific research activity of Gl.as. Hrishev are systematized and reflected in the "Reference for Original Scientific Contributions" attached to the competition documents. They are summarized in two main directions: 1. Metabolic syndrome in women and 2. Metabolic syndrome in experimental animals. The presented scientific results are of a fundamental and applied medico-biological nature. Contributions are described in more detail in strand 2, where different experimental models and subjects/rats, New Zealand rabbits, domestic pig and plants were used. In fact, strand 2 of the submissions is incorrectly worded "Metabolic syndrome in a rat animal model" as it covers other species, incl. contribution from human studies /p. 4 "Investigation of the parameters of prehypertension"/. Taking into account the scientific publications and the written monograph of the candidate, I can summarize that the presented contributions were achieved with the active participation of Dr. Hrishev and are his personal merit.

4. Conclusion

With the attached evidentiary material, the candidate General Asst. Hrishev, exceeds the scientific metric criteria /minimum requirements in the ZRASRB and the Regulations of the

MU-Plovdiv/ for awarding the academic position "Docent". He has proven himself as an established teacher in the specialty "Physiology" and a scientist with expertise in several scientific fields. This gives me the reason to give a positive opinion and confidently suggest to the members of the respected Scientific Jury to vote for the award of chief assist. Hrishev at the academic position "Docent" in Professional field Professional field 4.3. Biological sciences, specialty "Physiology" for the needs of the "Physiology" department, Faculty of Medicine, MU-Plovdiv.

23.11.2023 r.

Signature:

(Prof. Dr. Jana Tchekalarova)

