

STATEMENT

by Prof. Dobri Lazarov Ivanov, PhD
Department of Biology, Faculty of Pharmacy
Medical University "Prof. Dr. P. Stoyanov" - Varna,
member of the Scientific Jury, according to Order No R-109-375 of 26.09.2022
issued by the Rector of the Medical University "Prof. Dr. Paraskev Stoyanov", Varna

Regarding: competition for the acquiring of an academic position "Associate Professor" in the area of higher education 4. Natural sciences, mathematics and informatics, professional field 4.3. Biological sciences, scientific specialty "Biochemistry", for the needs of the Department of "Biochemistry, Molecular Medicine and Nutrigenomics" at the Faculty of Pharmacy at the Medical University - Varna, announced in State Gazette no. 59/26.07.2022

1. Brief information about the procedure

Based on the decision of the Faculty Council of the Faculty of Pharmacy (Protocol No. 41/19.09.2022) and the order of the Rector of the Medical University - Varna (No. P-109-375 of 26.09.2022), I have been elected a member of the scientific jury, and by protocol No. 1/05.10.2022, I have been appointed to prepare a statement on the procedure for acquiring the academic position of "Associate Professor" for the needs of the Department of "Biochemistry, Molecular Medicine and Nutrigenomics" at the Medical University of Varna, in the area of higher education 4. Natural sciences, mathematics and informatics, professional field 4.3. Biological sciences, scientific specialty "Biochemistry".

The only candidate in the competition is chief assistant professor Oskan Bakhidinov Tasinov, PhD. The applicant has submitted all relevant documents in accordance with the requirements of the Development of the Academic Staff in the Republic of Bulgaria Act, its implementing Regulations and the Rules for Development of Academic Staff of Medical University of Varna.

2. Brief information about the applicant

Chief assistant professor Oskan Bakhidinov Tasinov graduated from Sofia University "St. Kliment Ohridski", Sofia with bachelor's degree in molecular biology, and in 2011 he obtained a master's degree in molecular biology and biotechnology at the Faculty of Biology of Plovdiv University "Paisii Hilendarski". Since 2010, he has been appointed for an assistant professor in biochemistry, and since 2016, after defending a doctoral thesis in the scientific specialty

"Biochemistry", he won a competition for a chief assistant professor. He has acquired a medical specialty "Biochemistry".

3. Educational and teaching activity

Chief assistant professor Tasinov has a teaching experience of 12 years and 5 months. He conducts biochemistry and molecular biology training in Bulgarian and English languages for students of medicine and dentistry, and gives separate lectures on free elective subjects. The average annual academic workload of chief assistant professor Tasinov for the last 5 years exceeds the requirements of 360 hours for the position. He is the co-author of 3 task books for students published by a team from the department.

4. Presented scientific production and scientometric data

Chief assistant professor Tasinov participated in the competition with 13 articles in scientific editions referenced and indexed in world-renowned databases, which earned him 209 points (indicator G-7) with a minimum requirement of 200 points. His publications are in the scientific field of the announced competition, and in five of the publications he is the first author, which shows his active contribution in their preparation. He has presented a published monographic work - 100 points (indicator B3) and a doctoral dissertation thesis - 50 items (indicator A1). Chief assistant professor Tasinov's scientific articles are cited according to the academic reference 25 times - 50 points (indicator D11), and the total real impact factor in 6 of the publications is (IF) 20.094. The significant number of participations in international (45) and national (12) congresses and symposia, as well as in collectives on scientific projects (19) is impressive.

5. Evaluation of scientific activity and scientific contributions

The main directions of the scientific activity of chief assistant professor Tasinov are related to the study of the biological effects of medicinal plants, nutritional supplements and waters in model systems of cell cultures, animals and intervention studies with the participation of healthy volunteers. Also analyzing novel predictive and prognostic-diagnostic genetic biomarkers in biopsy material of patients with colorectal carcinoma.

The scientific contributions are mainly related to the evaluation of the biological effects and healing potential of medicinal plants, mainly dwarf elder, *Sambucus ebulus* L. New knowledge was obtained regarding the molecular mechanisms of the antioxidant, anti-inflammatory, anti-

obesity and anti-diabetic actions of aqueous and aqueous-alcoholic extracts, as well as fractions of berries of dwarf elder. A1, B3, G7-1, 2, 4, 5, 6, 7, 11.

The antioxidant potential of the fruits of the dwarf elder plant, *Sambucus ebulus* L., has been confirmed, and the modulation of redox-sensitive genes for the enzymes glutamate-cysteine ligase (GCL) and glutathione peroxidase (GPx) and the transcription factor NF-κB has been established for the first time. A1, B3, G4. A new potential mechanism of the immunomodulatory action of the fruits was established, expressed in a decrease in the LPS-stimulated protein levels of the pro-inflammatory enzyme iNOS and transcription factors related to the development of endoplasmic reticulum stress in macrophages A1, B3, G7 - 2, 11.

A decrease in cell viability by 50% was demonstrated on the Hs27 cell line of human skin cells when treated with water samples with proven development of toxigenic cyanoprokaryotes G7 - 3. For the first time, an improvement in the redox status of the plasma of healthy volunteers was demonstrated as the effect of taking sulfur-containing mineral waters from the Varna mineral basin G7 - 3, 7. The potential of serum levels of circulating miR-618 as a prognostic biomarker in metastatic colorectal carcinoma G7 - 8 was established.

6. Conclusion

Based on the materials submitted for the competition from chief assistant professor Tasinov, I am convinced that he fully meets the requirements of the Development of the Academic Staff in the Republic of Bulgaria Act, it's implementing Regulations and the Rules for Development of Academic Staff of Medical University of Varna for acquiring an academic position "Associate Professor". Chief Assistant Professor Oskan Tasinov is a very well prepared specialist and teacher of biochemistry, and I strongly recommend to the scientific jury to award chief assistant professor Oskan Bakhidinov Tasinov, PhD academic position "Associate Professor" in the area of higher education 4. Natural sciences, mathematics and informatics, professional field 4.3. Biological sciences, scientific specialty "Biochemistry", for the needs of the Department of "Biochemistry, Molecular Medicine and Nutrigenomics", Faculty of "Pharmacy" at the Medical University of Varna.

05.12.2022
City of Varna

Member of the scientific jury:



(Prof. Dobri Lazarov Ivanov, PhD)