

REVIEW

For competition for the academic position professor for the subject “Anatomy, Histology and Cytology”, higher education, field 7. Health care and sport, Medical education 7.1. Medicine, for the needs of Department of Anatomy and Histology, Pathology and Forensic Medicine of Faculty of Medicine – Sofia University “St. Kliment Ohridski, with one candidate associated professor Ivan Ilkov Maslarsky. The information about the competition was published in the State Gazette No 48/28. June 2022.

Reviewer: Academician Vladimir Ovcharov

The review was written according with the regulations of the Law for the Development of Academic Staff of the Republic of Bulgaria, rules for application of law for development of academic staff and in accordance with the rules and regulations for the development of the academic staff of Sofia University “St. Kliment Ohridski.

Assoc. professor Ivan Ilkov Maslarski was born on May 3rd, 1980 in Sofia. He obtained his high school diploma in Sofia in 7 school “Saints Sedmochislenizi” and graduated Biology and Chemistry in Biological Faculty of Sofia University “St. Kliment Ohridski in 2003 (Diploma A-2002 SU No 160719; 24.02.2003). In 29.10.2007 he became assistant position in Department of Anatomy and Histology, Pathology and Forensic Medicine of Faculty of Medicine – Sofia University “St. Kliment Ohridski,, where he still works. . In 2007 he acquired the educational and scientific degree “Doctor” from HTC on theme “Health education by means of anatomical study” with diploma No 31859 from 12.12.2007. In 2011 he became chief assistant. From 16.05.2016 he became associated professor for Anatomy, Histology and Cytology in the Department of Anatomy and Histology, Pathology and Forensic Medicine of

Faculty of Medicine – Sofia University “St. Kliment Ohridski. In the same year he acquired the medical speciality (subject) Anatomy, Histology and Cytology – certificate No 000006 from 20.05.2016. From November 2008 till January 2019 he had a second labour contract with Lozenetz Hospital, as medical specialist. In 2018 assistant professor Maslarski become head of the Department of Anatomy and Histology, Pathology and Forensic Medicine of Faculty of Medicine – Sofia University “St. Kliment Ohridski till now.

Assoc. professor Maslarski introduced following documents:

1. CV;
2. Diploma for higher education;
3. Diploma for scientific degree “Doctor”;
4. Diploma for “Associated professor”;
5. Certificate for practice of speciality;
6. Documents for prove the perform of demands according article 115q al. 1, p. 2.
7. List of publications;
8. The list of publications, according the system “Authors”;
9. Verification according form for fulfill minimal national demands for respective scientific area.
10. Verification of citations;
11. Verification for original scientific contributions;
12. Verification indicators according article 122, al. 2;
13. Scientific works presented for competition for the academic position professor according list article 105;
14. Summaries of publications in Bulgarian and English;

15. Copy of the information about the competition published in the State Gazette.

His scientific activity is represented in 23 scientific papers (13 in referent journals, 9 in non-referent journals, annuals, collections and one monograph). He has 56 participations in international and national congresses and conferences. He took part in 7 scientific and educational projects and is coauthor of textbook "General cytology and histology".

The scientific works of assoc. professor Ivan Ilkov Maslarski, according him and after his habilitation were cited 31 times – 10 in referated journals, 17 times in non-referated and 4 times in monographs. His h-index is 3.

He can speak and write English very well and Spanish well. He has practice and lectures with English-speaking students.

Scientific studies and contributions of assoc. professor Maslarski could be divided in eight groups.

In the first group, in which are included 3 papers, were studied the tweens. He created biomedical model, which could used for medical study and for validation the type of tweens connected with analysis of blood groups.

In the second group, the studies are connected with three-dimentional representations and virtually reality in medicine. It was created moist anatomical models from multidisciplinary team – anatomists, neurosurgeons and pathologist. He introduces innovative form for education and for clinical practice. The results from second group are described in three papers.

In the third group in which are included 4 papers, was studied the breast cancer. With original contribution were described reliable differences between patients with breast cancer and healthy women on the base of papillary lines of the fifth homologue fingers. It was set up statistically reliable differences differences between patients with breast cancer and healthy women on base of total number of papillary crests, as well as.

The forth group in scientific activity is connected with anatomical variations, as results are published in five papers. Detailed is described variation of brachial plexus. There is thin branch from medial cord and thick branch from lateral cord. This variation is important for neurosurgery and orthopedics. The other variation is the brachial artery , which is divided in two main trunks – one superficial, which is divided in ulnar and radial arteries, while the deep branch continues as a common interosseous artery. He describes one rarely variation – additional lobe of liver and variation of obturator artery.

The fifth group is connected with epidemiological study, as a special attention is bring to the connection between genetic factors and environmental factors. It was offered biomarker model for early diagnostic of breast cancer. It was discussed the ethiopathogenesis of lung cancer and identification of new biomarkers for prevention, early diagnostic of this diseases. The results were published in two papers.

The sixth group of his scientific activity, the studies were connected with found out the ossification and variation of the skull with clinical significance. He described variants of foramina of emissary veins. These data could be useful for the clinic.

The seventh group of his studies are connected with study of glomus coccygeum and pilonidal sinus. He demonstrated cells in pilonidal sinus, which have positive expression of SOX10. He admits that these cells originate from the neural crest. It was analyzed and discussed the process of mechanoreception of all mechano-receptors.

In the eight group, the studies are connected with educational anatomical innovations, as the results were published in two articles. He offered the study of neuroanatomy to be put in the right place in the anatomy study of medical students, which will contribute to increasing of complex knowledge of the future medical doctors.

General conclusion

Based on my positive assessment of scientific and teaching qualities, I proposed that the Scientific Jury to select the candidate Associated Professor Ivan Ilkov Maslarski Dr for the academic position "Professor" for the subject "Anatomy, Histology and Cytology", higher education, field 7. Health care and sport, Medical education 7.1. Medicine, for the needs of Department of Anatomy and Histology, Pathology and Forensic Medicine of Faculty of Medicine – Sofia University "St. Kliment Ohridski, as he answer to all requirements in the professional field for this position.

September, 26th, 2022

Reviewer: 

Academician Vladimir Ovcharov