



REVIEW

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Member of the Scientific Jury

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of the Executive Director of MHAT "NHH" EAD

as announced in state newspaper no. 45 / 28.05.2021 competition for the academic position "Associate Professor" in the field of higher education 7. Health and Sports; professional field 7.1 medicine; specialty cardiology

Subject: the candidacy of Dr. Iliyana Hristova Petrova-Stoyanova, MD for the academic position "Associate Professor"

One candidate, Dr. Iliyana Hristova Petrova-Stoyanova, MD, appeared at the announced competition, fulfilling all the requirements of the announced competition according to the Regulations for application of law for development of the academic staff of the Republic of Bulgaria and the Regulations for development of the academic staff of MU - Sofia, namely:

1. Scientific degree "Doctor of Medicine";
2. Recognized specialty in cardiology since 2013;
3. Recognized licence in invasive cardiology since 2013;
4. Teaching activity since 2006;
5. Outlined profile of the scientific activity in the sense of a code - 03.01.47 (cardiology), professional field 7.1. medicine;
6. Sufficient number of scientific publications:
 - 6.1. Dissertation work for acquiring educational and scientific degree "Doctor" – 2020;
 - 6.2. An independent monograph published – 2021;
 - 6.3. Published articles full text in Bulgarian journals and national publications, outside the topic of the dissertation - 11. Of these, the

first author in 4 publications and the second and subsequent author in 7;

6.4. Published chapters in books and monographic collections in Bulgarian – 6;

6.5. Scientific reports and participations in national forums and congresses, with published abstracts in Bulgarian – 17;

6.6. Scientific reports and presentation of posters in international congresses in English - 25. From them:

6.6.1. Scientific participations with published abstracts in indexed scientific publications with impact factor - 15; total impact factor (IF) - 149.18 and individual impact factor - 20.039.

6.7. Attached number of citations - 11. Of them citations or reviews in scientific journals, referenced and indexed in world-famous databases with scientific information or in monographs and collective volumes (according to Google scholar) - 2.

These data fully meet the scientometric indicators of the Regulations for the development of the academic staff of the Medical University - Sofia and Dr. Petrova fully covers the requirements for participation in the announced competition.

Research and related contributions

The presented materials show the broad orientation of the candidate in cardiac sciences. Most of Dr. Petrova's scientific output is related to invasive cardiology and related contrast-induced nephropathy.

Dr. Petrova's interests are focused on various areas in cardiology related to preventive medicine, diagnostic and therapeutic approaches to various diseases, but a special place is occupied by a current interdisciplinary field - contrast-induced nephropathy (CIN). Her dissertation is also dedicated to her - "Study of renal function in patients undergoing invasive angiographic examination with a new biomarker - Neutrophil Gelatinase Associated Lipocaline (NGAL)". The monographic work "Contemporary aspects of contrast-induced nephropathy in cardiology" is also on this topic. It offers its own analysis on a number of literature sources and reflects the latest trends related to the change in terminology and definitions in the literature. A comprehensive overview of the role, evidence and applicability of the new structural biomarkers is proposed,