

REVIEW

by

Assoc. Prof. Ilko Georgiev Bakardzhiev MD, Ph. D,
, Medical College, Medical University, Varna

Re: A competition for attainment of academic position "Associate Professor" in the field of higher education 7. Health and sports, professional field 7.1. Medicine, area of specialization "Skin and venereal diseases" - one (0.50 full time position) on demands of Varna Medical University , Faculty of Medicine, Department of Infectious Diseases, Parasitology and Dermatovenereology, Board of Dermatovenereology, and Department of Dermal and Venereal Diseases at UMBAL "Sveta Marina" - EAD Varna declared in the State Gazette, issue. 43 / 31.05.2019 By order No. R-109-240 / 26.07.19 of the Rector of MU-Varna I am appointed as a member of the scientific board, and as an official reviewer by protocol No. 1 of 07.08.19 from the first meeting of the scientific board. The presented set of application documents is in accordance with the requirements of the Law for the Development of the Academic Staff in the Republic of Bulgaria, regulations for its implementation, as well as regulations for the Development of the Academic Staff in the Medical University of Varna. The only candidate applied for the academic position within the legal term is Dr. Stoyan Ivanov Pavlov, MD.

Applicant Resume and Career Development Analysis

Dr. Stoyan Ivanov Pavlov, MD, was born on 02.08.1964 in Sofia. Higher education – Medicine. He graduated from the Higher Medical School - Varna in 1988, diploma series A-95 № 000991. Since 1995 Dr. Stoyan Ivanov Pavlov is a specialist in dermatology and venereology, diploma № 44100 / 24.01.1995 from Medical University – Sofia. In 2016 he acquired his PhD degree, scientific specialty of dermatology and venereology, defending a doctoral dissertation on *Vitamin D status, and systemic inflammatory manifestations in patients with psoriasis vulgaris*; diploma № 218 / 22.05.2017 from Medical University - Varna.

During 1988-1990 Dr. Pavlov worked as a medical doctor, and head of a medical service, division of the Ministry of Education, and during 1990-1995, as a doctor ordinator at Municipal Hospital, Novi Pazar. In 1995 he won Assistant at the Department of Dermatology and Venereology position, at Medical University – Varna, and successively completed both academic positions of Senior Assistant (1999-2005), and Chief Assistant (2005- until now). He is currently Head of the Board of Dermatology and Venereology, Medical University – Varna, as well as Head of the Department of Skin Diseases and Venereology, University Hospital “St. Marina “Varna” since 2015.

Professional Experience:

General experience as a physician, as of June 12, 19, according to the certificate Y-1337 issued by the management of University Hospital "St. Marina" EAD, Varna – 28years,7 months, and 11 days.

Additional Qualifications:

2004 - "Dermatoscopy in Dermatological Practice - A Modern Method for Improving Diagnosis of Pigment Skin Lesions, and Early Detection of Malignant Melanoma." Certificate No. 129 / 19.11.2004. Medical University Varna;

2005 - Mycological diagnostics in Dermatology. Certificate No. 47 / 25.03.2005. Medical University Varna;

2005 - Certificate for routine work in the field of Dermatosurgery № СДО-99-214 / 12.07.2005. Medical University Varna;

2005 – Cryotherapy in Dermatology. Certificate No. 161 / 21.10.2005. Medical University Varna;

2011 - Training for routine work on the methods: "Dermatohistopathology and immunohistopathology". Medical University-Varna, University Hospital "St. Marina" EAD Varna;

2012 - Pedagogical qualifications of trainers from medical establishments. Certificate No. 99-580 / 28.12.2012.

Dr. Stoyan Ivanov Pavlov' general research characteristics are, as follows:

A Monograph, with a total of 163 pages.

Full-text articles: 31 with a total of 112 pages, of which

- 3 in scientific publications, abstracted and indexed in world-renowned databases with scientific information; 1 with impact factor;
- 26 in non-refereed Bulgarian scientific peer-reviewed journals
- 2 in non-refereed foreign peer-reviewed journals

Abstracts published 16, total of 18 pages.

The applicant has also attended 30 scientific forums, and in the 2000-2002 participated in the Project of Ministry of Education and Science, National Fund for Scientific Research, MU-Varna with research *Clinical-experimental studies of two-component polymer systems.*

Collective: R. Cherkesova, S. Racheva, Art. Pavlov, Z. Zlatev

Applicant's total publication activity: 49 scientific papers. 30 of these serve as an evidence in the implementation report of the minimum borrowing requirements for the academic position of Associate Professor, acc. ZRABRB of 2018.

Presented are also 19 publications in addition to the evidence for meeting an Associate Professor academic position minimum requirements. Three of the publications are related to his dissertation.

Author's Positioning in below mentioned publications, as follows:

As a single-author - 4 (1 monograph, 2 in Bulgarian, and 1 in foreign scientific publication.

First position - 10 (8 Bulgarian and 2 international)

Second position - 6 (Bulgarian)

Third and subsequent - 9 (7 Bulgarian and 2 inter.)

In summaries:

First - 9 (6 Bulgarian and 3 inter.)

Second and subsequent - 7 (6 Bulgarian and 1 inter.)

Impact factor –1,437, according Academic Report No. 300 of 21.06.19, Library of MU-Varna

Citations - 22, according Academic Report No. 295 of 20.06.2019, Library of MU-Varna.

Thematic publications, research, and scientific contributions can be grouped in following main areas: studies on infectious and sexually transmitted diseases, studies on skin tumors, studies on autoimmune dermatoses, and rare dermatoses and clinical syndromes.

Summarized are 10 articles, in the first section **infectious and sexually transmitted diseases**. The incidence of infectious dermatoses that led to hospital treatment at the Clinic of Dermatology and Venereology for the two-year period 2002-2003 was analyzed (Γ_{8-8} ; Γ_{8-13}). 13). Predisposing factors for the manifestation of Erysipelas (Γ_{8-8} ; Γ_{8-13}), as well as predisposing factors for the onychomycosis in patients from Varna city region treated at the clinic were identified. (Γ_{8-2} ; Γ_{8-23}). Special attention is also paid to confused immune defenses as a predisposing development factor for development. Of interest is a study conducted on 55 patients with syphilis in terms of AIDS awareness, personal attitudes to HIV positives, and prevention options.

Syphilis patients are unaware of risky populations who are most at risk of contracting HIV, and do not protect their partners from sexually transmitted diseases. Therapeutic methods in this section confirm efficacy of Claritromycin for treatment of uncommon *Mycobacterium marinum* infection diagnosed in "Swimming pool granuloma" patient. (Г_8-19; Г_8-21). Effects of Azithromycin and Claritromycin therapy on mild to moderate forms of Eризипел (II-7 summary) are monitored. Combination therapy with group B vitamins (thiamine, benfotiamine, pyridoxine hydrochloride, cyanocobalamin) is confirmed to be a successful treatment for neuralgic, and skin manifestations of herpes zoster ganglionitis (Г_8-5).

Research on problems of tumor skin diseases occupy important place in Dr. Pavlov's scientific contributions. Risk of iatrogenic Sarkoma Kaposi in immunosuppressive therapy has been considered (Г_8-17). Particular attention has been paid to the fact that paraneoplastic dermatoses (erosive lichen planus) are resistant to the usual therapeutic agents, despite increase of dosages, and treatment course duration. Proper interpretation of dynamically changing clinical picture is crucial for the timely detection, and treatment of visceral tumors (Г_8-10). A rare combination of acute myelogenous leukemia M2 variant with skin changes, such as erythema exudativum multiforme (II-1 summary), and multifocal squamous cell carcinoma of the vulva has been described, and possible predisposing factors considered. (II-6 summary).

Fourteen (14) scientific papers represent the third section **autoimmune and inflammatory dermatoses**. Candidate's in-depth work on psoriasis issues is related to his dissertation elaboration for awarding a PhD degree on the topic of "Vitamin D status and systemic inflammatory manifestations in patients with psoriasis vulgaris". The author conducted clinical laboratory studies on vitamin D status serum level in patients with psoriasis, paying close attention to vitamin D status relationship with the objective manifestations, comorbidity, and prognosis of the disease. Contributions related to the studies and analysis of serum levels of the human antimicrobial, cationic peptide cathelicidin (hCAP18 / LL-37) are priority, and of importance to our country.

There is an inversely proportional relationship between serum cathelicidin LL-37 levels and the severity of the disease as assessed by PASI, in patients with psoriasis and vitamin D deficiency. Current clinical and epidemiological parameters of psoriatic disease are analyzed. Factors that trigger psoriasis, as well as immunological mechanisms of psoriatic disease in accordance with current perceptions of the disease, such as systemic inflammatory dermatosis, are summarized. (B_3-1).

Serum uric acid as a prognostic marker for the development of psoriatic arthritis (Г_8-11) is studied. The effect of Acerbine ointment on palmarplantar psoriasis (II-13 summary) was tested. The effect of (calcipotriol / bethametazone) in treatment of capillary psoriasis was monitored. (II-15 summary). Of great interest, and practical focus are epidemiological and clinical-therapeutic studies related to pemphigus over a 10-year period. Both daily mean, and course dose of corticosteroids / immunosuppressants were determined, as well as the time of

reaching morbidity in patients with pemphigus vulgaris treated with various therapeutic regimens. Clinical effects, as well as side effects of corticosteroid and immunosuppressive therapy were analyzed. A prophylactic algorithm for control of arterial hypertension, hyperglycemia osteoporosis, and trophic disorders in gastrointestinal tract mucosa was developed, as a result of a prolonged corticosteroid and immunosuppressive therapy (Г_8-6; Г_8-7). Comparative analysis of quality of life of children with itchy dermatoses in the United Kingdom with the same number of patients in dermatological clinics in Bulgaria was performed along with British dermatologists, and was subsequently translated, implemented, and used in our country to evaluate the quality of life in children with itchy dermatoses (Г_7-1).

Described **rare dermatoses and clinical syndromes** (16 scientific papers), such as Lichen ruber bullosus (Г_8-9), onychomata lata anguli oris (Г_8-12), Erosive lichen planus (Г_8-10), Morbus Hailey - Hailey (Г_8-14), Necrobiosis Lipoidica Diabeticorum (Г_8-15), Nodular T-cell NHL cutis (Г_8-18), Sarcoma Kaposi (Г_8-17), Cervicofacial Actinomycosis (Г_8-16), Multiple autoimmune syndrome - MAS (Г_8-20)) Swimming pool granuloma (Г_8-19), etc., published in Bulgarian and foreign magazines are considered significant contributions. For the first time, an association between primary anetoderma and Wilson's disease (Anetoderma with Wilson's disease (Г_8-2), has been described in available scientific literature.

Unique, newly synthesized polymer systems of thermosetting plastics (Г_8-4) have been tested in collaboration with chemists, toxicologists, and experienced in allergy testing dermatologists.

Academic Workload and Guided Course Classes:

According provided academic transcript, candidate's workload for the last 5 years is 1140 hours, and for the last three years 752 hours. Practical clinical training in

Dermatovenereology for Bulgarian language speaking medical students is conducted. Dr. Pavlov is actively involved in training of dermato and venereal disease trainees, as well as in theoretical and practical training of general practitioners. Dr. Pavlov is well recognized university lecturer with many years of academic experience, as well as clinical experience. His teaching experience is 23 years, 7 months, and 18 days according to certificate № 099-166 / 17.06.19

Medical and Diagnostic Activity:

Dr. Stoyan Pavlov is a well-trained specialist who enjoys a positive assessment from both his patients, and colleagues.

Memberships in scientific companies and organizations:

BLS, BDD

Conclusion:

The candidate for academic position of "Associate Professor" is a renown, respected, and well-trained specialist, with many years of professional experience, teaching skills, and experience in his specialty. His scientific work covers required quantitative and scientometric criteria. He is an erudite teacher, with a sufficient pedagogic workload. For the reasons stated above, I vote positively and convinced to propose the honorable scientific board to vote with "YES" for awarding of the academic position "Associate Professor" in scientific specialty of "Dermatology and Venereology" to Dr. Stoyan Ivanov Pavlov, MD, Ph.D for demands of Medical University of Varna, Faculty of Medicine, Department of Infectious Diseases, Parasitology, and Dermatovenereology, Board of Dermatovenereology, and Department of Skin and Venereal Diseases at UMBAL "Sveta Marina" - Varna

Reviewer: **Assoc. Prof. Ilko Bakardzhiev, MD, Ph.D.**

Varna

09/22/2019

