

МЕДИЦИНСКИ УНИВЕРСИТЕТ - ВАРНА  
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MEDICAL UNIVERSITY - VARNA  
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## REVIEW – ASSESSMENT

**REGARDING** Competition for the academic position of "**Associate Professor**" in the field of higher education 7. "**Health and Sports**", professional field 7.1. "**Medicine**" specialty "**Medical Genetics**" at the Faculty of Medicine, Department of Medical Genetics, Laboratory of Medical Genetics, University Hospital "St. Marina" Varna, according to an announcement in the State Gazette, issue 6 of 16.01.2026.

**REVIEWER: Prof. Lyudmila Angelova, MD, PhD**, Department of Medical Genetics; Specialty Professor of Medical Genetics; Institution – Medical University “Prof. Dr. Paraskev Stoyanov” Varna, Faculty of Medicine. Member of the Scientific Jury under Order No. P-109-130 / 16.03.2026 to the Rector of MU - Varna Prof. Dr. R. Raykov, MD; Reviewer according to Protocol No. 1/ 26.03.2026 from the First absentee meeting of the National Assembly.

**CANDIDATES: Ch. Assis. Professor Mari Ara Hachmeriyan-Andreeva, PhD** - the only candidate

**PROCEDURE:** The candidate's documents are prepared in accordance with the requirements of the LAW on the Development of the Academic Staff in the Republic of Bulgaria (LAW on the Development of the Academic Staff in the Republic of Bulgaria, 2019, supplement 2022) and REGULATIONS for its implementation. The deadline for publishing the announcement in the "State Gazette" for submitting an application for admission to the competition with documents checked by *an eligibility committee has been met.* for participation in the competition ( Regulations for the Development of the Academic Staff of the Faculty of Arts and Sciences at MU-Varna , Art. 1, para. 3 and Art. Article 4, paragraph 1.

## BRIEF BIOGRAPHICAL AND CAREER DATA

Dr. Marie Ara Hachmeriyan-Andreeva was born on March 5, 1986, in Varna.

**2005** – graduated from the V Language High School "Ioan Exarch", Varna

**2011** graduated from higher education: Master, Doctor, at the Medical University "Prof. Dr. P. Stoyanov", Varna

**2012**, (February) she was appointed as an assistant professor in medical genetics (MU) and as an assistant physician at the University Hospital "St. Marina" EAD Varna

**2013–2015** acquired a Master's degree (part-time study, 3 semesters) in "Molecular Biology and Biotechnology" at the Faculty of Biology of Plovdiv University "P. Hilendarski".

**2012- 2017** – doctoral student *full-time* at the Department of Medical Genetics, doctoral program in Genetics, MU Varna in **the field of higher education 4 . “Biological Sciences”**, Professional field Natural Sciences, Mathematics and Informatics with topic: "Maternal biochemical screening as a method for prenatal genetic prophylaxis" (scientific supervisor Prof. Dr. L. Angelova, MD)

**2018** - Specialist in Medical Genetics, *Diploma No. 3926 reg. 021463/20.02.2018 . MU Varna.*

**2018** she was appointed to the position of "Chief Assistant" and from **July 2019** Head of the Medical Genetics Laboratory, University Hospital "St. Marina" Varna.

**2024- 2025** – doctoral student, *independent* form, Department of Medical Genetics, doctoral program "Medical Genetics" at the Medical University of Varna in **the field of higher education 7**, Health care and sports, professional direction 7.1. Medicine, specialty "Medical Genetics".

**Specializations and memberships:** She has attended short thematic courses (on dysmorphology, basics of medical genetics, oncogenetics, genetic counseling) in Italy, Great Britain, the Netherlands, Turkey, and in an Erasmus exchange program for 2 months (2014), practicing at the Department of Medical Genetics, Wroclaw, Poland.

**Member** of the European Society of Human Genetics and the Bulgarian Society of Human Genetics and Genomics.

## I. SCIENTIFIC RESEARCH ACTIVITY

The activity was assessed in accordance with: 1) the minimum national requirements for an ASSOCIATE PROFESSOR pursuant to Art. 26 of the **Law on Higher Education and Research of the Republic of Bulgaria** and the Regulations for its implementation; 2) **REGULATIONS ON THE DEVELOPMENT OF THE ACADEMIC STAFF of the University of Varna** (adopted by Decision of the A C of 18.09.2018, (amended 09.02.2026 ) with **Annex 1, its Appendices and Notes**) for minimum requirements under this Annex for **Units with clinical activities** .

1. To have, according to **indicator A (50 points)**, an acquired educational and scientific degree "doctor" in the scientific specialty of the announced competition;

Completed **50 points** - successfully defended dissertation on the topic: "Genetic counseling in patients with probable tumor-predisposing syndrome" (scientific supervisors Assoc. Prof. Dr. M. Levkova, PhD, and Assoc. Prof. Dr. E. Dimitrova, PhD) in the field of Higher Education 7, Professional direction 7.1 Medicine (*Diploma No. EAH: AL08591 / 21.11.2025 issued by the Medical University of Varna*).

2. To have, according to **indicator B (B3 – B4)**, a minimum of **100 points** through a habilitation thesis or equivalent scientific publications referred in Scopus and Web of Science, for the Higher Education Area 7.1 the publications must be no less than 10. Fulfilled through **indicator B 4 with a total of 101.7 points**. (Academic report on the publications, citations, and scientific profiles of the candidate from the Library of MU Varna No. 20 / 26.01.2026 ). These are *10 scientific publications referenced and indexed by Scopus (9 items) and Web of Science (1 issue), including 4 articles in IF journals (marked with a star)*, published between 2013 and 2020.

1. Miteva V, Hachmeriyan M, Stoyanova M, Levkova M, Banka S., Tsvetkova M, Konstantinova D, Angelova L. Diagnostic and differential diagnostic challenges in making a rare genetic diagnosis of Kabuki syndrome – a case report. *Pediatrics*, 2019;59(1):51-54.
2. M Hachmeriyan , M Levkova, M Stoyanova, V Miteva, L Angelova. Challenges of medical-genetic consultation in the era of genomic medicine. *General Medicine*. 2019;21(6):37-40
3. \*Levkova M., Hachmeriyan M, Stoyanova M., Miteva V., Angelova L. Comparison between thrombophilic gene polymorphisms among high-risk patients. *Romanian Journal of Internal Medicine*. 2020;58(1):20-6.
4. \*Levkova M., Chervenkov T., Hachmeriyan M, Angelova L. Association between polymorphic markers human leucocyte antigen-G and tumor necrosis factor alpha and susceptibility to recurrent miscarriages among Bulgarian women. *Turkish Journal of Obstetrics and Gynecology*. 2020;17(1):34-39.
5. Levkova M, Stoyanova M, Staneva R, Hachmeriyan M , Angelova L. 16p11.2 Duplication Syndrome - a Case Report. *Folia Medica*. 2021;63(1):138-141. DOI: 10.3897/folmed. 63. e52763
6. M Hachmeriyan , M Stoyanova, M Levkova, S Galcheva, D Avdzhieva, T Delchev, Y Tikhonova, V Yotova, L Angelova. Cornelia de Lange syndrome – presentation of a classic and non-classical variant. *Pediatrics*. 2020;60(4):2-5
7. \* M Tsvetkova, M Levkova, S Tsvetkova, M Hachmeriyan , E Kovachev, L Angelova. Double aneuploidy 48,XXX,+21 of a Bulgarian newborn with Down phenotype: a case report. *Egyptian Journal of Medical Human Genetics* (2020) 21:25 <https://doi.org/10.1186/s43042-020-00068-2>
8. M. Stoyanova, M. Levkova, M. Hachmeriyan, V. Stoyanov, V. Mladenov, L. Angelova. A case of Bardet-Biedl syndrome with early clinical and genetic diagnosis. *Pediatrics* 2020;60(3):38-40
9. \*M. Hachmeriyan , N. Sapundzhiev, M. Georgieva, N. Dobrudjanska, V. Stoyanov, D. Konstantinova, L. Angelova. Clinical approach to hereditary hemorrhagic telangiectasia. *Journal of IMAB*. 2013;19(3):453-456
10. L. Angelova, V. Gadancheva, D. Konstantinova, M. Stoyanova, M. Hachmeriyan, M. Tsvetkova, Ts. Ruseva, S. Koinova, M.

**3. To have, according to indicator C (C 5-9), a minimum of 200 points, with  $\geq 60$  points from indicator C7. Completed - with 201.26 points summed as follows:**

- **Subgroup C6 ( A published *book based on a defended dissertation* for the award of the ONS "doctor" - **40 points (I would call it studio), which does not require a review, but has an ISBN.**  
Hhachmeriyan M. *The Genetic Code of Cancer. A Guide for Patients and Their Families.* City Center 2025 ISBN: 978-619-7503-47-0.**
- **Subgroup C7 (Publications and *reports*, both published in scientific journals, *referenced and indexed* in Web of Science and Scopus ) - **136.95 points, all obtained from 14 reports, inc. 8 in IF journals (marked with a star), presented mainly abroad.****

1. Hachmeriyan M, L. Angelova, M. Stojanova, D. Konstantinova, B. Yakov, R. Vazharova. Maternal biochemical screening as an approach for genetic prevention - the experience of the Laboratory in Medical Genetics, University hospital "St. Marina" - Varna, Bulgaria. European Human Genetics Conference 2013 June 8-11, 2013 Paris, France. European Journal of Human Genetics, Nature Publishing Group, vol 21, suppl 2, June 2013, Abstracts, 594. (Q1)
  2. Hachmeriyan M, L. Anglova, M. Stoyanova, D Konstantinova, M. Cvetkova, V. Mladenov, St. Ivanov . Cytogenetic findings associated with X chromosome in the Genetic laboratory of Varna over 12-year period. *European Journal of Human genetics* , Nature Publishing Group, vol 23, sup.1, Jun 2015, Abstracts, 451 (Q1)
  3. Angelova L, Hachmeriyan M ., Konstantinova D., Stoyanova M., Cvetkova M., Georgieva M, Iotova V. Balanced chromosomal rearrangements and their clinical significance. European Journal of Human Genetics, Nature Publishing Group, vol 23, sup.1 June 2015, 450 (Q1)
  4. \* Levkova M, Hachmeriyan M, Miteva V, Stoyanova M, Tsvetkova M, Angelova L. Awareness of screening and diagnostic tests for Down syndrome in Bulgarian women at reproductive age. European Journal of Human Genetics, P19.10B, volume 27, suppl.1, p.667-668, DEC 2018; (Q1)
  5. \* M. Levkova, M. Hachmeriyan, V. Miteva, M. Stoyanova, L. Angelova. Patients' understanding of routine genetic testing; European Journal of Human Genetics, P22.60, volume 28, suppl.1, p.783-783, DEC 2020; (Q1)
  6. \* M. Stoyanova, L. Angelova, M. Hachmeriyan, M. Levkova, V. Miteva. Single-gene pathology in pediatric patients referred for genetic counseling for a period of five years; European Journal of Human Genetics, P22.56, volume 28, suppl.1, p.782-782, DEC 2020; (Q1)
  7. \* V. Miteva, T. Ruseva, M. Hachmeriyan, M. Levkova, L. Angelova. A retrospective study of patients with Multiple Myeloma tested in the Laboratory of Medical Genetics, Varna, Bulgaria; European Journal of Human Genetics, meeting abstract: E-P12.44, volume 28, suppl.1, p.940-941, DEC 2020; (Q1)
  8. \* V. Miteva, T. Ruseva, D. Yahya, M. Levkova, M. Stoyanova, M. Hachmeriyan, I. Micheva, L. Angelova. Incidental findings in cytogenetics - the old new. 54th European Society of Human Genetics (ESHG) Conference. European Journal of Human Genetics (2022), vol 3. Sup. 1 <https://doi.org/10.1038/s41431-021-01026-1> (Q1)
  9. \* M. Hachmeriyan, M. Levkova, D. Yahya, M. Stoyanova, V. Miteva, L. Angelova. COVID-19 effect on post-test genetic counselling. 54th European Society of Human Genetics (ESHG) Conference. European Journal of Human Genetics (2022), vol 3. Sup. 1 <https://doi.org/10.1038/s41431-021-01026-1> (Q1)
  10. \* M. Levkova, M. Hachmeriyan, M. Stoyanova, V. Miteva, L. Angelova. Telegenetics: attitudes of genetic counselors and patients in Bulgaria European Journal of Human Genetics, Nature Publishing Group, 2021, Abstracts (Q1)
  11. \* D. Yahya, T. Ruseva, M. Hachmeriyan, L. Angelova, T. Chervenkov, I. Micheva. Cytogenetic profile of newly diagnosed patients with acute myeloid leukemia - a single center retrospective study. 54th European Society of Human Genetics (ESHG) Conference. European Journal of Human Genetics (2022), vol 3. Sup. 1 <https://doi.org/10.1038/s41431-021-01026-1> (Q1)
  12. Hachmeriyan M, Dinnar Y, Radostina R, M Levkova, M Stoyanova, V Miteva, L Angelova. Pregnant women's attitude towards expanded NIPT – single-center experience. 25 International Conference on Prenatal Diagnosis and Therapy. A Virtual Event 6-8 June 2021. supplement of the journal. Prenatal Diagnosis (2021) (Q1)
  13. Hachmeriyan M, Dinnar Y, Radostina R, M Levkova, M Stoyanova, V Miteva, L Angelova. Two unrelated genetic disorders in a family as a possible source of prenatal counseling pitfalls – case report. 25 International Conference on Prenatal Diagnosis and Therapy. A Virtual Event 6-8 June 2021. supplement of the journal. Prenatal Diagnosis (2021) (Q1)
  14. Hachmeriyan M, M Levkova, M Stoyanova, M Tsvetkova, C Ruseva, D Yahya, V Miteva, L Angelova. A retrospective analysis of prenatal cytogenetic results in times of implementation of prenatal non-invasive tests – a single-center experience. 25 International Conference on Prenatal Diagnosis and Therapy. A Virtual Event 6-8 June 2021. Suppl. of the journal. Prenatal Diagnosis (2021) (Q1)
- **Subgroup C8 (Publications and reports published in *non-refereed journals* with scientific review or published in edited collective volumes) – **24.31 points:****
1. Hachmeriyan M, Andonova S, Levkova M, Stoyanova M, Kalchev K, Vasilev P, Miteva V, Tsvetkova M, Bradinowa I, Angelova L. Challenging Reproductive Genetic Counseling in Families at High Risk for Rare Genetic Syndromes - A case report with possible Danys-Drash syndrome. Journal of genetic disorders & Genetic reports. 2018, 7:1 DOI:10.4172/2327-5790.1000172
  2. Levkova M, Hachmeriyan M, Miteva V, Stoyanova M, Tsvetkova M, Konstantinova D, Angelova L. Women's awareness towards

prenatal Down syndrome tests in Bulgaria. *Journal of Down Syndrome & Chromosome Abnormalities*. 2018, 4:2 DOI:10.4172/2472-1115.1000129

3. M. Georgieva, M. Hachmeriyan, D. Konstantinova, Y. Dyankova, N. Rasheva, Kr. Koleva, A. Atanasova, L. Angelova. Genetic testing in celiac disease (experience of a 3rd level center in Bulgaria). *Pediatrics*, 2018, supplementum, volume LVII, ISSN 0479-7876, pp. 31-33
4. M Hachmeriyan, M Levkova, M Stoyanova, V Miteva, L Angelova. Standard karyotyping - reading the European recommendations for application. *Varna Medical Forum*, vol. 8, 2019, issue 1, pp. 103-109
5. M Stoyanova, M Levkova, M Hachmeriyan, T Chervenkov, M Georgieva, V Yotova, L Angelova. MLPA - application in the diagnostic activity of the medical geneticist. *Varna Medical Forum*, vol. 9, 2020, issue 2, pp. 43-46
6. Y. Deyanova, T. Ruskov, Y. Bazdarska, I. Dimova, A. Savov, A. Todorova, M. Hachmeriyan, A. Kaneva, P. Stratieva, V. Yotova. Initial guidelines on the organization of care for patients with RASopathies in Bulgaria, adopted within the framework of the international scientific meeting "RASopathies - unknown problems and future prospects" *Scripta Scientifica Medica*, 2025; online

The total publication activity of the candidate from **groups B and C** includes:

- **10 full-text** scientific papers (presented as equivalent to a habilitation thesis, *incl. 4 in journals with IF*)
- **1 studio** based on a defended dissertation
- **14 reports/abstracts published** in *journals* indexed by Web of Science, *incl. 8 in journals with IF*
- **6 full-text** scientific papers published in **non-refereed journals**.
- **1 full-text** publication in a scientific journal indexed by Scopus is reported - I consider that it should be assigned to the indicator B "Full-text publications equivalent to habilitation thesis." (M. Levkova, M. Hachmeriyan, Hr. Hristozova. Neurofibromatosis type 1 – clinical cases and review of guidelines for behavior. *Journal of General Medicine*, 2024, (26)5, 16-19.

Chief Assistant Dr. M. Hachmeriyan applied for a list of scientific events in national and international forums with a **poster** (35 issues, 10 of them published in an extended version) and in national events with **oral presentation** (11 pcs).

The scientific activity subject to review for this competition consists of a total of 32 published materials: articles, scientific abstracts, and studies, and is analyzed by :

- Authorship - first (10), second (9) , other position (13).
- Indexed/referenced with well-known databases Web of Science and Scopus (25), unreferenced /unindexed (7).
- Impact factor (significance in the global scientific base) – The scientific research activity **subject to review** is general impact factor for authors from journals in which full-text articles and abstracts are published ( **IF 42.195** ), and affects the citation rate of scientific data **and H-index – 5** of the candidate's citations.

*The attached Academic Reference from the Library of the Medical University of Varna duly presents publications and participations for the acquisition of the ONS "doctor" (in area 4.1 and in area 7.1) and for holding an AD "Chief Assistant", which are not subject to review under this procedure.*

**Achievements and contributions from the scientific developments of Dr. Mari Hachmeriyan** related to fundamental research in the field of oncogenetics and to clinically applied practical algorithms in prenatal and pediatric genetics.

1. Oncogenetics and hereditary tumor-predisposing syndromes - the leading impact in the candidate's habilitation work and encompasses a complex of research on the genetic component of cancer and the counseling of patients with a probable tumor-predisposing syndrome. [A1] [B4.1, B4.3]. Publications with an assessment of the diagnostic success rate of the applied methods for targeted panel testing with NGS technologies . [D6, D8.15]. Of practical importance is the summary of basic information of the dissertation work in the form of a widely accessible guide for the patient [D6] .
2. Prenatal diagnosis and genomic technologies (NIPT) - the technological transition from biochemical screening to non-invasive prenatal testing. Algorithms for mass prenatal screening are being optimized [B4.1, D8.11] and a socio-psychological analysis of the introduction of NIPT in Bulgaria is being conducted with a pioneering study [B4.10, D8.20]. The discussion on restructuring invasive diagnostics is of practical importance. [B4.3, D8.27].

3. Cytogenetics and molecular diagnostics in oncohematology. The contributions here are related to improving the prognosis in hematological neoplasias, through the search for diagnostic, prognostic and predictive biomarkers - a combined cytogenetic and iFISH approach in oncohematology [B4.7, D8.26]. An extended clinical application provides knowledge based on activity in the field of oncohematology in cases of discovered "incidental" constitutional chromosomal abnormalities in the diagnosis of acquired hematological diseases [B4.8] .
4. Clinical dysmorphology and rare genetic diseases. The candidate's experience in the diagnosis of complex clinical cases is demonstrated by defining phenotype-genotype correlations in rare syndromes. Original clinical descriptions and diagnostic pathways in syndromes with genetic heterogeneity are presented Kabuki syndrome [G8.30], Cornelia de Lange syndrome [G8.6] RASopathies [G8.10, G8.31], 16p11.2 duplication syndrome [D8.25] An innovative contribution is the application of facial recognition software products in the clinical practice approach.
5. Ethical Aspects, Telegenetics and Training. Exploring Contemporary Challenges in Medical Communication: Transformation of Genetic Counseling during COVID-19 [B4.14, D8.8]; o assessment of patients' understanding of genetic information and their level of literacy regarding genetic testing [B4.12, B4.22].

4. To have, according to **indicator D (D 10-12)**, a minimum 80 points out of citations. Executed via D10 with 105 points from 7 citations of 2 articles (Academic reference from the Library of MU Varna):

1. M Levkova, M Hachmeriyan, M Stoyanova, V Miteva, L Angelova. Comparison between thrombophilic gene polymorphisms among high-risk patients. Romanian Journal of Internal Medicine. 2020;58(1):20-26
2. M Levkova, T Chervenkov, M Hachmeriyan, L Angelova. CFTR gene variants as a reason for impaired spermatogenesis: a pilot study and a Meta-analysis of published data Human Fertility, 2022, 25 (4), 728-737.

This reference does not reflect/discover the Bulgarian sources in the library collection that would show the candidate's contribution to the Bulgarian genetic diagnostics in clinical application. As a mobile indicator, D will constantly grow, both due to the high interest in molecular genetic diagnostics and the relevance of the candidate's latest publications related to the era of next-generation sequencing. The current **H-index** is 5 of the candidate's citations.

Chief Assistant Dr. Mari Hachmeriyan documents participation in scientific projects:

- 3 institutional projects at the Science Fund of MU Varna (participator) .
- 1 international project funded under the European Development Programme (participator).
- Project No. 18015 / 2018 to the Science Fund of MU Varna – "Molecular genetic analysis in children with unexplained rare genetic diseases", supervised by Prof. Dr. L. Angelova, MD, PhD.
- Project No. 18011 / 2018 to the Science Fund of the Medical University of Varna – "Study of molecular genetic factors in the CFTR gene in men with primary infertility", supervised by Assoc. Prof. Dr. T. Chervenkov, MD, PhD.
- Project No. 190 35 / 2019 to the Science Fund of MU Varna – "Study of balanced subtelomeric rearrangements through molecular cytogenetic analysis in patients with combined reproductive problems", supervised by Prof. Dr. L. Angelova, MD, PhD.
- Project BG-RRP-2.004-0009 M U Varna: Enhancing translational achievements in medicine (MUVE-TEAM) under the procedure of Creating a network of research universities in Bulgaria: Scientific group "Application of innovative technologies for the management of oncological and rare diseases" : "GenoHeme " ( Application of cytogenomics in modern oncohematology ) and "Liquid Bio" (Early diagnosis and prevention of oncological diseases by using new technologies).<https://2020.eufunds.bg/bg/0/0/EvalSessionResult/Show?resultId=fUhadz8iG5AWstdYk%2Fc8Ew%3D%3D&resultType=2vPCjUHWYklcGk8qCLK9dA%3D%3D>

## II. TEACHING AND LEARNING ACTIVITY

A Report on the academic workload of the Academic Department of MU Vaorna (Issue No. 112-

25 / 27.01.2026) from the teaching internship shows that:

- The candidate has 14 years of teaching experience (starting on 15.02.2012).
- For the last 5 years, she has had an average teaching load of 241.8 academic hours, which exceeds the norm of 220 hours adopted by Protocol No. 30 / 11.04.2011 by decision of the Academic Council of the Medical University of Varna. For the last 2 years, she has had an average teaching load of 233 academic hours. These mainly include exercises for students in "Medicine", Bulgarian and English language training, as well as 29 teaching hours of lectures for the same. In previous years, she also taught students in "Medical Laboratory Assistant", "Midwife", and "Medical Nurse". The candidate is also actively involved in examination *committees*. Thus, the requirement under the Procedure for occupying the academic position of "Associate Professor" for "ensuring a standard for teaching workload" and prior coordination with the MA is fulfilled.

The candidate is fluent in the English language and has very good computer literacy.

### III. DIAGNOSTIC - (TREATMENT) ACTIVITY

In accordance with Art. 125, para. 1, item 6 of the PRAS of MU Varna "for *evaluation of diagnostic and therapeutic activities* for occupation of For the academic position of "associate professor", a certificate of acquired specialty according to the nomenclature of the Ministry of Health in the field is required, in which you are applying, as well as a document for continuous ( clinical ) work experience in the acquired specialty in the field of the academic position .2). Dr. M. Hachmerian has:

- Rights of a specialist in Medical Genetics, specialist in Medical Genetics, ( *reg.021463/20.02.2018; Diploma No.3926* )
- Professional qualification "Molecular Biologist and Biotechnologist" at PU "P. Hilendarski" ( *Diploma series PU – 2015, U.I. No. 062703, Reg. No. MB-12 /15.10.2015* )

As of the date of submission of documents, she has almost 14 years of total work experience (Certificate No. 099-497 / 29.01.2026). In her hospital activities, the candidate has been actively involved in laboratory and consulting activities in human genetics since July 2019. The doctor is the head of the Medical Genetics Laboratory, University Hospital "St. Marina", Varna.

### SUMMARY

I present a table of indicators for occupying the academic position of DOCTOR, in accordance with the requirements of the Regulations for the implementation of the Law on the State Administration of Health and Social Welfare of the Republic of Bulgaria for Minimum NATIONAL requirements for scientific and teaching activities ( Appendix to Art. 1a, para. 1, State Gazette, issue 15, 2019) and Appendix 3 of the REGULATIONS of the Medical University of Varna for Minimum requirements for candidates in PROFESSIONAL DIRECTION 7.1. MEDICINE - UNIT WITH CLINICAL ACTIVITY

To the attention of the members of the scientific jury:

In item 3 of the Additional conditions for fulfilling the minimum scientometric requirements of the Medical University of Varna it is stated that "In the submitted evidentiary material for occupying an **ACADEMIC POSITION in the Department of Health and Sports, Department of Health 7.1, no more than 40% of literature reviews, described clinical cases and summaries of publications are allowed, but the requirement comes into force after the AC votes on the request for a habilitation position on 24.11.2025 (amended and supplemented - 09.02.2026, is in force from 10.02.2026)**

Group of indicators	Indicator	Nr of points according to ZRASRB ASSOCIATE PROFESSOR	Minimum requirements ZRASRB ASSOCIATE PROFESSOR	Minimum requirements of MUVama ASSOCIATE PROFESSOR	No. of points for the candidate according to REVIEWER
A	1. Dissertation for the award of the ONS "doctor."	50	50	50	50
	2. Dissertation for the award of the scientific degree "Doctor of Science."	100	optional		
B	3. Habilitation thesis – monograph OR	100			-
	4. Habilitation thesis - scientific publications (not less than 10) in refereed publications and indexed in world-renowned databases of scientific information	60/n for each audience	100	100	101.7
C	5. Published monograph that is not presented as the main habilitation thesis	100			
	6. Published book based on a defended dissertation for the award of the ONS "Doctor" or the degree "Doctor of Sciences."	40			40
	7. Publications and reports in scientific journals, referenced and indexed in world-renowned databases	60/n or as per contribution			136.95
	8. Publications and reports in non-refereed journals, with scientific review or published in edited collective volumes	30/n or as per contribution		30/n or as per contribution	24.31
	9. Published chapter of a collective monograph	20/n		20/n	
amount C		200	200		201.26
amount B + C	<b>Total number of articles (outside doctor)</b>				
D	10. Citations or reviews in scientific publications, referenced and indexed in world-renowned databases, monographs and collectomes	15t per piece		80; refereed by Scopus, WoS	105
	11. Citations in monographs and peer-reviewed collective volumes	10 tons per piece			
	12. Citations or reviews in non-refereed peer-reviewed journals	5 tons per piece			
amount D			80		105
amount G	<b>Teaching activities</b>			220 for the last 2 years	233
<b>MINIMUM TOTAL NUMBER OF POINTS</b>			<b>650</b>		<b>690.96</b>

### CONCLUSION

The candidate has good professional training, scientific knowledge, and practical skills in the field of Medical Genetics. Chief Assistant Dr. M. Hachmeriyan has extensive academic experience; she is a respected teacher by her students. Her scientific output covers state and university requirements. I also appreciate her clinical laboratory, diagnostic and interpretative training in the field of practical medical-genetic consulting.

My personal impressions of the candidate are related to determination and a desire to develop practical hospital activities for the benefit of the patient.

Appreciating all this, I give you a positive review and confidently propose to the esteemed members of the Scientific Jury to award Chief Assistant Mari Khachmerian, MD, the academic position of "**Associate Professor**" in the field of higher education 7. "Healthcare and Sports", professional direction/7.1. "Medicine", specialty "Medical Genetics".

Заличено на основание чл. 5,  
§1, б. „В“ от Регламент (ЕС)  
2016/679

12.05.2026 MEMBER OF THE SCIENTIFIC JURY (REVIEWER)

/PROF.DR L. ANGELOVA, DM/

