

CURRICULUM VITAE



Name: Dijana Plaseska-Karanfilska

Affiliation and official address: Macedonian Academy of Sciences and Arts, Research Centre for Genetic Engineering and Biotechnology "Georgi D. Efremov", Av Krste Misirkov, 1000 Skopje, R. Macedonia

Date and place of birth: 21.05.1963, Skopje **Nationality:** Macedonian

Marital status: Married, one daughter

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Education (degrees, dates, universities)

Medical Doctor March 1987 Faculty of Medicine, University of Skopje, R. Macedonia
(Average grade 9.9 out of 10)

PhD April 1994 Faculty of Medicine, Limburg University, Maastricht,
The Netherlands

Languages: English (fluent)

Career/Employment (employers, positions and dates)

Macedonian Academy of Sciences and Arts (1988- present); Positions: Assistant (1989), Assistant Professor (1995), Associate Professor (2000), Full Professor (2005), Head of Laboratory (2002-present)

Faculty of Pharmacy (2010-present); Position: Full Professor

Fields of interest:

Molecular medicine, human genetics, reproductive genetics, cancer genetics, molecular biology, genetic engineering, genomics, proteomics

Honours, Awards, Fellowships, Membership of Professional Societies

Honours:

Member of the Scientific Council at the Ministry of Education and Science of R. Macedonia (2005-2006)

Member of NATO CBP (chemistry/biology/physics) Advisory Panel (2004-2006)

Member of the Editorial Board of the Balkan Journal of Medical Genetics (2000-2011)

Editor of the Balkan Journal of Medical Genetics (since 2011)

Member of the UNESCO-ROSTE Expert group for restructuring of research infrastructures in SEE

Member of the Scientific Committee of the "European Centre for Life Sciences, Health and the Courts"

Reviewer of the SAFE Network of Excellence FP6 project

Fellowship:

Department of Cell and Molecular Biology, Medical College of Georgia, Augusta, GA, USA (1989-90, 1993)

Memberships :

Macedonian Society of Human Genetics (Secretary General),
European Society of Human Genetics
European National Human Genetics Societies (Macedonian representative)
Macedonian Biochemical Society,
Federation of European Biochemical Societies,
Macedonian Society of Clinical Biochemists,
Euro-Mediterranean Association of Biotechnology and Genetics;

Participation in research projects:

(as a principal investigator/coordinator)

1. "Prenatal diagnosis of the most common chromosomal abnormalities by quantitative fluorescent PCR method" (2002-2003), financed by Ministry of education and science of R. Macedonia
2. "Genetic testing in Central and Eastern European countries: public and physicians' awareness – pilot project" (2004-2005), financed by UNESCO-ROSTE
3. "SEE Network on Genetics and Molecular Biology" (2005-2006), financed by UNESCO-ROSTE;
4. "Genetic basis of male infertility" (2006-2009), financed by Ministry of education and science of R. Macedonia
5. "Genetics of miscarriages" (2007-2009), Macedonia-Slovenia bilateral project, financed by Ministry of education and science of R. Macedonia
6. "National Reference Centre for Genomics and Proteomics" (2009-2011), financed by the European Commission (FP7 programme, scheme REGPOT-2008-1)
7. "Molecular profiling of infertile men" (2010-2012), financed by ICGIB-Trieste;
8. "Y chromosome structural and functional changes in malignant diseases" (2010-2012), financed by the Ministry of Education and Science of R. Macedonia.

(as an investigator/ leading investigator)

1. "Molecular characterization of thalassemias in Yugoslavia" (1988-1991), funded by the former YU-USA Joint Funds for Science;
2. "The application of GIBIT (genetic engineering and biotechnology) products and methods in prevention, diagnosis and therapy in human and veterinary medicine" (1988-1991), funded by the former Federal Secretariat for Development. The RCGEB acted both as a coordinator and a participant of this joint federal project, which also included 16 research teams from different institutions of former Yugoslavia;
3. "The application of the genetic engineering methods in the study of monogenic diseases" (1988-1991), funded by SZNJ of former Yugoslavia;
4. "Development of new diagnostic kits for the detection of genetic and acquired diseases" (1988-1991), funded by SZNJ of former Yugoslavia;
5. "Study of cystic fibrosis in Yugoslavia" (1990-1992), funded by the former YU-USA Joint Funds for Science;
6. "The application of genetic engineering in the study of the molecular basis of inherited diseases" (1992-1994), funded by the Ministry of Science of the R. Macedonia;
7. "The application of recombinant DNA technology in forensic medicine" (1991-1994) funded by the Ministry of Science of the R. Macedonia.
8. "Study of the molecular basis of the diseases in the population of the R. Macedonia" (1995-1997), funded by the Ministry of Science of the R. Macedonia;

9. "Study of the fragile X-mental retardation syndrome" (1995-1996), funded by the Macedonian Academy of Sciences and Arts;
10. "Factors affecting the human fetal hemoglobin synthesis" (1997-1999), funded by the International Center for Genetic Engineering and Biotechnology, Trieste, Italy;
11. "Regulation of the expression of human globin genes" (1997-1999) funded by the Macedonian-US Joint Funds for Science;
12. "Molecular basis of colon cancer" (1998-2000), funded by Macedonian Academy of Sciences and Arts;
13. "Molecular basis of the diseases in the population of Republic of Macedonia" (1998-2000), funded by the Ministry of Science of the R. Macedonia;
14. "HPV infection and specific chromosomal disorders in the ethiopathogenesis of cervical cancer" (1998-2002), funded by the Macedonian Academy of Sciences and Arts;
15. "Pharmacological treatment of Lepore hemoglobinopathy" (1999-2000), funded by the National Institute of Health, Bethesda, USA;
16. "Molecular basis of hemochromatosis in Republic of Macedonia" (2002-2003), funded by Macedonian Academy of Sciences and Arts;
17. "Micro deletions of Y chromosome in infertile males" (2002-2005), funded by Macedonian Academy of Sciences and Arts;
18. "DNA markers on Y chromosome in Macedonian population" (2004-2006), funded by Macedonian Academy of Sciences and Arts;
19. "Space for Science" (2005), funded by UNESCO.
20. "Molecular basis of breast cancer" (2007-2012), funded by Macedonian Academy of Sciences and Arts.

Participation in education:

- I. Participation in theoretical and practical courses within the Interdisciplinary postgraduate studies in molecular biology at the University "Ss Cyril and Methodius", Skopje; (1998-2003)
- II. Mentor of MSc thesis:
 1. "Genotyping of human papilloma virus (HPV) among female population in R. Macedonia"; Student: Sotirija Duvlis, pharmacist. (defended January 2003)
 2. "Prenatal diagnosis of chromosomal aneuploidies by quantitative fluorescent PCR"; Student: Snezana Arsova, biologist (defended February 2003)
 3. "Molecular characterization of cystinuria"; Student: Katerina Popovska, biologist (defended April 2008)
 4. "Genetic causes of spontaneous abortion"; Student: Svetlana Trivodalieva, medical doctor (defended March 2011)
 5. "Y chromosome haplogroups and haplotypes in the populations of the Republic of Macedonia"; Student: Predrag Noveski, biologist (defended December 2011)
 6. "Mutations in genes associated with breast cancer in patients from the Republic of Macedonia"; Student: Ivana Maleva, biologist (defended December 2011)
- III. Participation in the theoretical courses of the subjects Biochemistry and Pharmacogenetics at the Faculty of Pharmacy (2009-present)
- IV. Participation in the theoretical and practical courses of the Postgraduate studies in molecular biology of Faculties of Medicine, Biology, and Biotechnology, University "Ss Cyril and Methodius", Skopje
- V. Participation in the organization and performance of International theoretical/practical workshops in the RCGEB, MASA:
 1. "Recombinant DNA technology in human medicine – First Yugoslavian theoretical/practical course", 08-19.04 and 06-17.05.1991

2. "FEBS Advanced Course on Application of Recombinant DNA Technology in Human Medicine", 14-26.09.1992
3. "ICGEB Affiliated Centre Course on Nucleic Acids Methods in Human and Veterinary Medicine", 25-30.05.1998
4. "FEBS Advanced Course on PCR based methods in the detection and characterization of inherited, infectious and malignant diseases", 27.09-02.10.1999
5. "1st Genomics and Proteomics Workshop", Skopje, November 2010
6. "2nd Genomics and Proteomics Workshop", Skopje, July 2011
7. "3rd Genomics and Proteomics Workshop", Skopje, March 2012

VI. Participation in the education and workshops abroad:

- Invited expert for training in the laboratory of molecular diagnostics, Clinic of Pediatrics , Medical Faculty, Kuwait, May 3-6, 1997
- Invited lecturer of the "1st International Course for judges from Serbia, Montenegro and Macedonia on present-day biological issues", Belgrade, Serbia, July 7-9 2004

Number of scientific publications (*list enclosed*): 60

Number of communications to scientific meetings (*list enclosed*): 79

List of scientific publications and communications to scientific meetings

I. Scientific publications

1. **Plaseska D**, Kutlar F, Wilson JB, Webber BB, Zeng Y-T, Huisman, THJ. *Hb F-Jiangsu, the first γ chain variant with a Valine-> Methionine substitution: $\alpha_2^A\gamma_2134(H12)Val \rightarrow Met$.* Hemoglobin 14:177-183, 1990.
2. **Plaseska D**, Li H-J, Wilson JB, Kutlar F, Kutlar A, Huisman THJ, Kulpa J. *Hb F-Brooklyn or $\alpha_2^G\gamma_266(E10)Lys \rightarrow Gln$.* Hemoglobin 14:213-216, 1990.
3. **Plaseska D**, de Alarcon PA, McMillan S, Walbrecht M, Wilson JB, Huisman THJ. *Hb Iowa or $\alpha_2\beta_2119(GH2)Gly \rightarrow Ala$.* Hemoglobin 14:423-429, 1990.
4. Bircan I, Gur Guven A, Yegin O, **Plaseska D**, Wilson JB, Ramachandran M, Huisman THJ. *Hb N-Baltimore ($\alpha_2\beta_295(FG2)Lys \rightarrow Glu$) and Hb J-Iran ($\alpha_2\beta_277(EF1)His \rightarrow Asp$) observed in a Turkish family from Antalya.* Hemoglobin 14:453-457, 1990.
5. **Plaseska D**, Gu L-H, Wilson JB, Codrington JF, Huisman THJ, Dash S. *Hb Sun Prairie or $\alpha_2130(H13)Ala \rightarrow Pro\beta_2$; second observation in an Indian adult.* Hemoglobin 14:491-497, 1990.
6. **Plaseska D**, Wilson JB, Kutlar F, Font LI, Baiget M, Huisman THJ. *Hb F-Catalonia or $\alpha_2^G\gamma_215(A12)Trp \rightarrow Arg$.* Hemoglobin 14:511-516, 1990.
7. **Plaseska D**, Wilson JB, Gu L-H, Kutlar F, Huisma, THJ, Zeng Y-T, Shen M. *Hb Zengcheng or $\alpha_2\beta_2114(G16)Leu \rightarrow Met$.* Hemoglobin 14:555-557, 1990.
8. Wilson JB, Webber BB, **Plaseska D**, de Alarcon PA, McMillan SK, Huisman THJ. *Hb Davenport or $\alpha_278(EF7)Asn \rightarrow His\beta_2$.* Hemoglobin 14:599-605, 1990.
9. **Plaseska D**, Kutlar F, Wilson JB, Fei YJ, Huisman THJ. *Hb F-Charlotte, an $A^4\gamma$ variant with a threonine residue in position $\gamma75$ and a glycine residue in position $\gamma136$.* Hemoglobin 14:617-625, 1990.
10. **Plaseska D**, Dimovski AJ, Wilson JB, Webber BB, Hume HA, Huisman THJ. *Hb Montreal, a new variant with an extended β chain due to deletion of Asp, Gly, Leu at positions 73, 74 and 75, and an insertion of Ala, Arg, Cys and Gln at the same location.* Blood 77:178-181, 1991.
11. **Plaseska D**, Jankovic L, Dimovski AJ, Milenovic D, Juricic D, Efremov GD. *Hb Yokohama ($\beta31(B13)Leu \rightarrow Pro$) detected as a de novo mutation in a Yugoslavian boy.* Hemoglobin 15:469-476, 1991.
12. **Plaseska D**, Dimovski AJ, Jankovic L, Sukarova E, Efremov GD, Gebaue, E, Jerance D. *Hb Hoshida ($\beta43(CD2)Glu \rightarrow Gln$) observed in a Yugoslavian family.* Hemoglobin 15:541-543, 1991.
13. **Plaseska D**, Koceva S, Efremov GD. *A new mutation in exon 12 (Y569C) of the CFTR gene.* CFGAS Newsletter, 45: 9, 1992.
14. Efremov GD, Dimovski A, **Plaseska D**, Jankovic L, Petreska L, Sukarova E, Koceva S, Panovska S. *Recombinant DNA technology in human medicine, A Laboratory Manual.* ICGEB, MASA, Skopje 1992.
15. Dimovski A, Efremov DG, Jankovic L, **Plaseska D**, Juricic D, Efremov GD. *A β^0 -thalassemia due to a 1605 bp deletion of the 5' β -globin gene region.* Brit. J. Haematol., 85:143-147, 1993.
16. **Plaseska D**, Koceva S, Rasovic N, Efremov GD. *Hb Volga [$\beta27(B9)Ala \rightarrow Asp$]: detection of a de novo mutation by Ava II digestion of PCR-amplified DNA.* Hemoglobin, 17:209-215, 1993.
17. **Plaseska D**. *Micromethodology for the characterization of hemoglobin variants.* (Doctoral thesis) Maastricht, The Netherlands, Faculty of Medicine, 1994, p165
18. **Plaseska D**, Cepreganova-Krstic B, Momirovska A, Efremov GD. *HbF Macedonia-I or $\alpha_2^A\gamma_22(NA_2)His \rightarrow Gln$.* Hemoglobin, 18:241-245, 1994.
19. **Plaseska D**, Panovska-Popovska S, Lazarevski M, Efremov GD. *HbF-Macedonia-II ($^G\gamma104(G6)Lys \rightarrow Asn$): A new γ chain variant.* Hemoglobin, 18:373-382, 1994.
20. Jankovic L, **Plaseska D**, Efremov GD, Tchacarova P, Petkov GH. *Two rare mutations (Cd 30(G->C) and Cds 36/37(-T) in a Turkish thalassemia major patient from Bulgaria.* Hemoglobin, 18:359-364, 1994.

21. Petreska L, **Plaseska D**, Koceva S, Stavljenic-Rukavina A, Efremov GD. *Two new mutations (I811+1G->C and Y569C) identified in the CFTR gene in patients of Macedonian and Croatian origin.* Acta Medica Croatica, 50:125-127, 1996.
22. Petreska L, **Plaseska D**, Koceva S, Stavljenic-Rukavina A, Efremov GD. *A novel mutation in exon 12 (Y569C) of the CFTR gene identified in a patient of Croatian origin.* Hum.Mutat. 7:374-375, 1996.
23. Efremov GD, Dimovski AJ, Popovski Z, Janeva S, **Plaseska D**, Simjanovska L, Sukarova E, Momirovska A, Lazarevski M, Kuljan R. *The γ-globin gene rearrangements in newborns from the Republic of Macedonia.* Hemoglobin, 20(4), 401-414, 1996.
24. Hopmeier P, **Plaseska-Karanfilska D**, Efremov GD. *A new β chain variant, Hb Vienna or β77(EF1)His->Gln.* Hemoglobin 22:391-395, 1998.
25. Tsoi WC, **Plaseska-Karanfilska D**, Efremov, GD. *Hb Brockton [β138(H16)Ala->Pro] observed in a Chinese boy.* Hemoglobin 22:397-400, 1998.
26. Petreska L, Koceva S, **Plaseska D**, Chernick M, Gordova-Muratovska A, Fustic S, Nestorov R, Efremov GD. *Molecular basis of cystic fibrosis in the Republic of Macedonia.* Clinical Genetics 54:203-209, 1998.
27. **Plaseska-Karanfilska D**, Simjanovska L, Popeska Z, Simeska S, Duma A, Efremov GD. *Allele frequency distribution at seven variable number of tandem repeat (VNTR) loci among the populations of the Republic of Macedonia.* Balkan J. Med. Genet. 1:77-83, 1998.
28. Efremov GD, Dimovski AJ, **Plaseska-Karanfilska D**, Simjanovska L, Sukarova E, Koceva S, Popovski ZT. *Nucleic Acids Based Methods in Human and Veterinary Medicine, A Laboratory Manual, 2nd Edition;* MANU, 1998.
29. Efremov GD, Dimovski AJ, **Plaseska-Karanfilska D**, Simjanovska L, Sukarova E, Koceva S. *PCR based methods in the detection and characterization of inherited, infectious and malignant diseases, A Laboratory Manual, 3rd Edition* MANU, 1999.
30. Wong SC, Aw TC, Suri R, Wong CK, **Plaseska D**, Efremov GD. *Differential diagnosis of Hb EE and Hb E-β⁰-thalassemia by protein and DNA analysis.* Acta Haematologica, 103(2): 84-89; 2000.
31. **Plaseska-Karanfilska D**, I de Weinstein B, Efremov GD. *Hb Rambam / β⁰-thalassemia [Codon 5 (-CT)] in a family from Argentina.* Hemoglobin, 24(2): 157-161, 2000.
32. I de Weinstein B, **Plaseska-Karanfilska D**, Efremov GD. *Hb Saint Etienne or Hb Istanbul found in an Argentinean family.* Hemoglobin, 24(2): 149-152, 2000.
33. **Plaseska-Karanfilska, D.**, Song, K.S., and Efremov, G.D.: *Hb Old Dominion/Burton-upon-Trent or β143(H21)His->Tyr, found in a diabetic woman from Korea.* Hemoglobin, 24(4): 323-326, 2000.
34. Bardarova K, **Plaseska-Karanfilska D**, Preden-Kerekovic V, Efremov GD. *Compound heterozygosity for Hb C and Hb Lepore-Boston-Washington in a patient from Croatia.* Balkan J. Med. Genet. 4(1&2):33-36, 2001.
35. Koceva S, **Plaseska-Karanfilska D**, Fustic-Naceva S, Caparevska M, Efremov GD. *Cystic fibrosis in Macedonia: An Update.* Balkan J. Med. Genet. 4(3&4):47-52, 2001.
36. Duvlis S, **Plaseska-Karanfilska D**, Bashevska N, Dimitrov G, Milanova E, Naumov J, Efremov GD. *A variant of human papillomavirus type 66 is common among Macedonian women with cervical lesions.* Balkan J. Med. Genet. 4(3&4):53-57, 2001.
37. Deyde VM, Fattoum S, Lo BB, **Plaseska D**, Efremov GD. *Hemoglobin A2' (HbA2delta') in the Mauritanian population: first results of a preliminary survey.* Ann Hematol., 81(7):386-8, 2002.
38. Momirovska A, **Plaseska-Karanfilska D**, Kaeva M, Efremov GD. *Reduction of FMR1 repeat lenght in a family with fragile X syndrome.* Balkan J. Med. Genet. 5(1&2):47-50, 2002.
39. Koceva S, Dimovski AJ, **Plaseska-Karanfilska D**, Stefanovska A-M, Vlaski-Jekic S, Efremov GD : *Molecular analysis of Huntington's disease in the Republic of Macedonia.* Balkan J. Med. Genet. 5(1&2):47-50, 2002.
40. Plaseski T, Dimitrovski C, Kocevska B, Efremov DG, **Plaseska-Karanfilska D** : *The prevalence of Y chromosome microdeletions among infertile males from the Republic of Macedonia.* Balkan J. Med. Genet. 6(1&2):39-44, 2003.
41. Simjanovska L, Kicurovska M, **Plaseska-Karanfilska D**, Dimovski A, Duma A, Efremov GD: *DNA paternity testing of five-year-old exhumed remains.* Balkan J. Med. Genet. 7(1&2):61-66, 2004.

42. Plaseski T, Novevski P, Kocevska B, Dimitrovski C, Efremov GD, **Plaseska-Karanfilska D**: Association of hemochromatosis H63D allele with severe oligozoospermia. Balkan J. Med. Genet. 8(3&4):57-62, 2005.
43. Davalieva K, Dimcev P, Efremov GD and **Plaseska-Karanfilska D**: Non-invasive fetal sex determination using real-time PCR analysis. The Journal of Maternal-Fetal and Neonatal Medicine, 19 (6): 337-342, 2006.
44. Plaseski T, Novevski P, Kocevska B, Dimitrovski C, Efremov GD and **Plaseska-Karanfilska D**: AZF deletions in infertile men from the Republic of Macedonia. Prilozi 27 (1):5-16; 2006.
45. Efremov GD, Simjanovska L, **Plaseska-Karanfilska D**, Stanojevic E and Petkov GH. Hb Jambol: A new hyperunstable hemoglobin causing severe hemolytic anemia. Acta Haematologica, 117 (1):1-7; 2007.
46. **Plaseska-Karanfilska D**, Novevski P, Kuzevska K, Basheska N, Kocova M, Efremov GD. A new familial mutation in the SRY gene. Clinical Genetics 71 :480-482 ; 2007
47. Plaseski T, Novevski P, Kocevska B, Dimitrovski C, Efremov GD, **Plaseska-Karanfilska D**. Association of long AR CAG repeats with male infertility. Balkan J. Med. Genet. 10(1):19-24, 2007
48. Plaseski T, Novevski P, Dimitrovski C, Efremov GD, **Plaseska-Karanfilska D**. CAG repeat polymorphism in POLG gene among Macedonian infertile and fertile men. Balkan J. Med. Genet. 10 (2):37-41, 2007.
49. Kocheva SA, **Plaseska-Karanfilska D**, Trivodalieva S, Kuturec M, Vlaski-Jekic S, Efremov GD. Prenatal diagnosis of spinal muscular atrophy in Macedonian families. Genetic Testing and Molecular biomarkers 12 (3) :391-3, 2008.
50. Plaseski T, Novevski P, Trivodalieva S, Efremov GD, **Plaseska-Karanfilska D**. Quantitative fluorescent PCR detection of sex chromosome aneuploidies and AZF deletions duplications. Genetic testing, 12(4):595-605, 2008.
51. Kocheva SA, Trivodalieva S, **Plaseska-Karanfilska D**, Vlaski-Jekic S, Kuturec M, Efremov GD. Prenatal diagnosis in Macedonian Duchenne muscular dystrophy families. Balkan J. Med. Genet. 11 (2):59-63, 2008.
52. Popovska-Jankovic K, Tasic V, Bogdanovic R, Miljkovic P, Baskin E, Efremov GD, **Plaseska-Karanfilska D**. Five novel mutations in cystinuria genes SLC3A1 and SLC7A9. Balkan J. Med. Genet. 12 (1):15-20, 2009.
53. Novevski P, Trivodalieva S, Efremov GD, **Plaseska-Karanfilska D**. Y-chromosome SNP typing by SNaPshot minisequencing in the population of R. Macedonia. Balkan J Med Genet Balkan J. Med. Genet. 12 (2):3-10, 2009.
54. Gucev Z, Ristoska-Bojkovska N, Popovska-Jankovic K, Sukarova-Stefanovska E, Tasic V, **Plaseska-Karanfilska D**, Efremov GD. Cystinuria AA (B): digenic inheritance with three mutations in two cystinuria genes. J Genet. 2011 Apr;90(1):157-9.
55. **Plaseska-Karanfilska D**, Dimovski A. Professor Georgi D. Efremov (1932-2011). Acta Haematol. 2011 Jul 14;126(3):151
56. Polenakovic M, **Plaseska-Karanfilska D**. In memoriam: Efremov D. Georgi (1932-2011). Founder of the molecular biology in the Republic of Macedonia - biochemist, geneticist. Prilozi. 2011 Jul;32(1):333-6.
57. **Dijana Plaseska-Karanfilska**, Predrag Novevski and Toso Plaseski. Detection of the Most Common Genetic Causes of Male Infertility by Quantitative Fluorescent (QF)-PCR Analysis. In Genetics of human diseases; Editor Dijana Plaseska-Karanfilska, Publisher InTech 2011.
58. Madjunkova S, Volk M, Peterlin B and **Plaseska-Karanfilska D**. Detection of trombophilic mutations related to spontaneous abortions by a multiplex SNaPshot method. Genet Test Mol Biomarkers. 2011 Oct 24. [Epub ahead of print].
59. Plaseski T, Novevski P, Popeska Z, Efremov GD, **Plaseska-Karanfilska D**. Association study of single nucleotide polymorphisms in FASLG, JMJD1A, LOC203413, TEX15, BRDT, OR2W3, INSR and TAS2R38 genes with male infertility. J Androl. 2011 Oct 20. [Epub ahead of print].
60. Davalieva K, Kiprijanovska S, Novevski P, Plaseski T, Kocevska B, Broussard C and **Plaseska-Karanfilska D**. Proteomic analysis of seminal plasma in men with different spermatogenic impairment. Andrologia. 2012 Jan 31. doi: 10.1111/j.1439-0272.2012.01275.x. [Epub ahead of print].

II. Communications to scientific meetings

1. Dimovski, A., Jankovic, L., Simova, L., **Plaseska, D.**, Zisovski, N., Juricic, D., Huisman, T.H.J., and Efremov, G.D.: *Characterization of β thalassemia in Yugoslavia*. 3th Conference on thalassemias and hemoglobinopathies, Sardinia, Italy 3-8. 4.1990.
2. **Plaseska, D.**, Cepreganova-Krstic, B., Momirovska, A., i Efremov, G.D: *HPLC vo otkrivanjeto i identifikacijata na humani hemoglobinski varijanti*. Oralno soopstenie, I Kongres na medicinske biohemicari na R. Makedonija, Ohrid, 13-15.X.1993.
3. Jankovic, L., **Plaseska, D.**, Petreska, L., Koceva, S., i Efremov, G.D.: *PCR vo identifikuvanjeto na malignite bolesti*. Oralno soopstenie, Ibidem.
4. **Plaseska D**, Cepreganova-Krstic B, Momirovska A, Panovska S, i Efremov GD: *Dve novi mutacii (HbF-Macedonia-I ili $\alpha_2^A\gamma_2$ (NA₂) His->Glu i HbF-Macedonia-II ili $\alpha_2\gamma_2$ 104(G6) Lys->Asn) otkriveni vo Republika Makedonija*. VII Kongres na pedijatrite na Republika Makedonija so megunarodno ueststvo, Struga, 8-10.06.1994.
5. Petreska L, Koceva S, **Plaseska D**, Gordova-Muratovska A, Fustic S, Nestorov R and Efremov GD: *Molekularni osnovi na cisticna fibroza*. ibidem.
6. **Plaseska, D.**, Sukarova, E., and Efremov, G.D.: *DNA Methods for Characterization of Hemoglobin Variants*. 2nd Balkan Clinical Laboratory Meeting, Istanbul, Turkey, September 21-24, 1994.
7. Efremov GD, Dimovski AJ, **Plaseska D**, Sukarova E, Momirovska A, Jankovic L, Popovski Z, Lazarevski M, Kuljan R: *γ -Globin gene rearrangements among Macedonian newborns*. XIIIth Meeting of the society of Haematology, September 3-8, 1995, Istanbul, Turkey.
8. **Plaseska D**, Tutevska J, Simeska S, Duma A, and Efremov GD. *DNA markers among macedonian population*. Third Meeting of the Balkan Clinical Laboratory Federation, Struga, October 5-7, 1995.
9. **Plaseska D**: Ion-exchange HPLC for Hb variant identification and quantitation. Workshop on HPLC Applications in haemoglobinopathies, Kuwait University, Kuwait, May 3-6, 1997.
10. **Plaseska D**: *Triplet repeat expansion in neurodegenerative and psychiatric disorders*. ICGEB Affiliated Centre Course, MANU, Skopje, 1998.
11. **Plaseska-Karanfilska D**, Duvlis S, Dimovski AJ, Naumov J, Milanova E, Lazarevski S, and Efremov GD. *Human papilloma virus (HPV) types detected among Macedonian patients with cervical abnormalities*. 18th Congress IUBMB, July 16-20, 2000, Birmingham, UK, Abstract 677.
12. Dimovski, AJ, Stefanovska, A-M, **Plaseska-Karanfilska, D.**, Jasar, D., Zografski, G., Panovski, M., and Efremov, G.D. *Microsatellite instability of colorectal cancers among Macedonian patients*. 18th Congress IUBMB, July 16-20, 2000, Birmingham, UK, Abstract 708.
13. Kocheva S, **Plaseska – Karanfilska D** and Efremov GD. *Cystic fibrosis in Macedonia – Molecular characterization and prenatal diagnosis*. 4th International Symposium for Cystic Fibrosis, Dec.1-2, 2000 Budapest, Hungary.
14. Momirovska A, **Plaseska-Karanfilska D**, Dimovski A, Mitev G, Kaeva M and Efremov GD. *Molekularna dijagnoza na fragilen X sindrom*. Studentski defektoloski seminar, Juni 5-9, 2000, Ohrid.
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