

CURRICULUM VITAE

PERSONAL DATA



Name: Dijana Plaseska Karanfilska
Date & Place of birth: May 21, 1963, Skopje
Nationality: Macedonian
Marital status: Married, one daughter
Home address: Partizanski odredi 4/2-11, 1000 Skopje, Republic of Macedonia
Affiliation and official address: Research Center for Genetic Engineering and Biotechnology "Georgi D. Efremov", Macedonian Academy of Sciences and Arts, Av. Krste Misirkov 2, 1000 Skopje, Republic of Macedonia
Telephone:
(Office) +389 2 32 35 410; +389 2 32 35 400 (ext. 264)
(Mobile) + 389 70 36 13 13
Fax: +389 2 3115 434
e-mail: dijana@manu.edu.mk

EDUCATION

March 1987	Faculty of Medicine University "St. Cyril and Methodius" Skopje, Republic of Macedonia	Medical Doctor
April 1994	Faculty of Medicine Limburg University, Maastricht, The Netherlands	PhD

POSITION AND EMPLOYMENT

1988-present Research Centre for Genetic Engineering and Biotechnology (RCGEB),
Macedonian Academy of Sciences and Arts (MASA), Skopje,
Republic of Macedonia

Positions:
1989 Assistant
1995 Assistant Professor
2000 Associate Professor
2005 **Full Professor**
2002-present **Head of Laboratory**

2010-present Faculty of Pharmacy, University "St. Cyril and Methodius"
Skopje, Republic of Macedonia

Position: **Full Professor**

FIELDS OF INTEREST

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

Honours, Awards, Fellowships, Membership in Professional Societies, Reviewer

Honours:

since 2011	Editor of the Balkan Journal of Medical Genetics
2000-2011	Member of the Editorial Board of the Balkan Journal of Medical Genetics
2005-2006	Member of the Scientific Council at the Ministry of Education and Science of R. Macedonia
2004-2006	Member of NATO CBP (chemistry/biology/physics) Advisory Panel Member of the UNESCO-ROSTE Expert group for restructuring of research infrastructures in SEE
2003-2006	Member of the Scientific Committee of the "European Centre for Life Sciences, Health and the Courts"

Fellowship:

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

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

Reviewer of research projects and scientific papers:

Foundations: Ministry of Education and Science of R. Macedonia
European Commission (SAFE Network of Excellence FP6 project)
NATO Science for Peace
Research Promotion Foundation of Cyprus

Journals: Asian Journal of Andrology, Balkan Journal of Medical Genetics, Human Genetics,
Makedonski Medicinski pregled, Macedonian Journal of Medical Sciences, Medicinski glasnik – Bosnia, PloS One, Prilozi

PARTICIPATION IN RESEARCH PROJECTS

(as a principal investigator/coordinator)

1. "Y chromosome structural and functional changes in malignant diseases" 2010-2012
funded by the Ministry of Education and Science of R. Macedonia
2. "Molecular profiling of infertile men" 2010-2012
funded by ICGIB-Trieste
3. "National Reference Centre for Genomics and Proteomics" 2009-2011
funded by the European Commission (FP7 programme, scheme REGPOT-2008-1)
4. "Genetics of miscarriages" 2007-2009

- Macedonia-Slovenia bilateral project,
funded by Ministry of Education and Science of R. Macedonia
5. "Genetic basis of male infertility" 2006-2009
funded by Ministry of Education and Science of R. Macedonia
 6. "SEE Network on Genetics and Molecular Biology" 2005-2006
funded by UNESCO-ROSTE
 7. "Genetic testing in Central and Eastern European countries: Public and physicians' awareness – pilot project", 2004-2005
funded by UNESCO-ROSTE
 8. "Prenatal diagnosis of the most common chromosomal abnormalities by quantitative fluorescent PCR method", 2002-2003
funded by Ministry of Education and Science of R. Macedonia

(As an investigator/ leading investigator)

1. "An International, Multi-center Study Evaluating the Correlation of IL28B Genotypes with Chronic Hepatitis C Disease Characteristics and Prenatal Demographics"
funded by Hoffmann-La Roche Ltd.
2. "Molecular basis of breast cancer" 2007-2012
funded by Macedonian Academy of Sciences and Arts
3. "Space for Science" 2005
funded by UNESCO
4. "DNA markers on Y chromosome in Macedonian population" 2004-2006
funded by Macedonian Academy of Sciences and Arts
5. "Micro deletions of Y chromosome in infertile males" 2002-2005
funded by Macedonian Academy of Sciences and Arts
6. "Molecular basis of hemochromatosis in Republic of Macedonia" 2002-2003
funded by Macedonian Academy of Sciences and Arts
7. "Pharmacological treatment of Lepore hemoglobinopathy" 1999-2000
funded by the National Institute of Health, Bethesda, USA
8. "HPV infection and specific chromosomal disorders in the ethiopathogenesis of cervical cancer" 1998-2002
funded by the Macedonian Academy of Sciences and Arts
9. "Molecular basis of the diseases in the population of Republic of Macedonia" 1998-2000
funded by the Ministry of Science of the R. Macedonia
10. "Molecular basis of colon cancer" 1998-2000
funded by Macedonian Academy of Sciences and Arts
11. "Regulation of the expression of human globin genes" 1997-1999
funded by the Macedonian-US Joint Funds for Science
12. "Factors affecting the human fetal hemoglobin synthesis" 1997-1999
funded by the ICGEB, Trieste, Italy
13. "Study of the fragile X-mental retardation syndrome" 1995-1996
funded by the Macedonian Academy of Sciences and Arts
14. "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
15. "The application of recombinant DNA technology in forensic medicine" 1991-1994
funded by the Ministry of Science of the R. Macedonia
16. "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
17. "Study of cystic fibrosis in Yugoslavia" 1990-1992
funded by the former YU-USA Joint Funds for Science
18. "Development of new diagnostic kits for the detection of genetic and acquired diseases" 1988-1991

- funded by SZNJ of former Yugoslavia*
19. "The application of the genetic engineering methods in the study of monogenic diseases" 1988-1991
funded by SZNJ of former Yugoslavia
20. "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
21. "Molecular characterization of thalasseмии in Yugoslavia" 1988-1991
funded by the former YU-USA Joint Funds for Science

PARTICIPATION IN EDUCATION

I. Undergraduate studies at the University "Ss Cyril and Methodius", Skopje, R. Macedonia

- 2009-present Undergraduate studies at the Faculty of Pharmacy
- 2011-present Undergraduate studies at the Faculty of Natural Sciences and Mathematics (Institute of Biology)

II. Postgraduate studies at the University "Ss Cyril and Methodius", Skopje, R. Macedonia

- 2011-present PhD studies at the Faculty of Pharmacy
- 2002-2004 Postgraduate studies at the Faculty of Natural Sciences and Mathematics (Institute of Biology)
- 2002-2004 Postgraduate studies at the Faculty of Medicine
- 1998-2003 Interdisciplinary postgraduate studies in molecular biology

III. 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, 22-26.11.2010
6. "2nd Genomics and Proteomics Workshop", Skopje, 27-29.07.2011
7. "3rd Genomics and Proteomics Workshop", Skopje, 01-06.03.2012

IV. Participation in the education and workshops abroad:

- Invited expert for training in the laboratory of molecular diagnostics, Clinic of Paediatrics , 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

V. Mentor of MSc thesis:

1. *“Genotypisation of human papilloma virus (HPV) among female population in the Republic of Macedonia”*; Student: Sotirija Duvlis, pharmacist. (defended at RCGEB, MASA, University “Ss Cyril and Methodius”; January 2003)
2. *“Prenatal diagnosis of chromosomal aneuploidies by quantitative fluorescent PCR”*; Student: Snezana Arsova, biologist (defended at RCGEB, MASA, “Ss Cyril and Methodius”; February, 2003)
3. *“Molecular characterization of cystinuria”*; Student: Katerina Popovska, biologist (defended at the Institute of Biology, Faculty of Natural Sciences and Mathematics, “Ss Cyril and Methodius”; April 2008)
4. *“Genetic causes of spontaneous abortion”*; Student: Svetlana Trivodalieva, Medical Doctor (defended at the Faculty of Medicine , “Ss Cyril and Methodius”; March 2011)
5. *“Y chromosome haplogroups and haplotypes in the populations of the Republic of Macedonia”*; Student: Predrag Noveski, biologist (defended at the Institute of Biology, Faculty of Natural Sciences and Mathematics, “Ss Cyril and Methodius”; December 2011)
6. *“Mutations in genes associated with breast cancer in patients from the Republic of Macedonia”*; Student: Ivana Maleva, biologist (defended at the Institute of Biology, Faculty of Natural Sciences and Mathematics, “Ss Cyril and Methodius”; December 2011)
7. *“Polymorphisms associated with hepatatis C virus infection”*; Student: Sanja Kiprijanovska, biologist (to be defended at the Institute of Biology, Faculty of Natural Sciences and Mathematics, “Ss Cyril and Methodius”; 2012)

VI. Mentor of PhD thesis:

1. *“Non-invasive prenatal diagnosis”*; Student: Svetlana Trivodalieva, MD, MSc, Faculty of Medicine, “Ss Cyril and Methodius”; ongoing (approved 2011)
2. *“Molecular changes in spontaneous abortions”*, Student: Katerina Kubelka, MD, MSc, Faculty of Pharmacy, “Ss Cyril and Methodius”; ongoing (approved 2011)
3. *“Genetic biomarkers in the early detection and prognosis of cervical lesions”*; Student: Sotirija Duvlis, Faculty of Pharmacy, “Ss Cyril and Methodius”; ongoing (approved 2011)
4. *“Micro RNAs in breast cancer”*; Student: Katerina Popovska-Jankovic, MSc, Institute of Biology, Faculty of Natural Sciences and Mathematics, “Ss Cyril and Methodius”; ongoing (approved 2012)
5. *“Y chromosome structural and functional changes in malignant diseases”*; Student: Predrag Noveski, MSc, Institute of Biology, Faculty of Natural Sciences and Mathematics, “Ss Cyril and Methodius”; ongoing (approved 2012)
6. *“Identification of genetic and epigenetic causes for the occurrence of BRCA-like profile in the cancer tissue of patients with breast cancer”*; Student: Ivana Maleva, MSc, Institute of Biology, Faculty of Natural Sciences and Mathematics, “Ss Cyril and Methodius”; ongoing (approved 2012)

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-> Metionine substitution: $\alpha_2^A\gamma_2134(H12)Val->Met$* . 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 $\alpha_2^G\gamma_266(E10)Lys->Gln$* . Hemoglobin 14:213-216, 1990.
3. **Plaseska D**, de Alarcon PA, McMillan S, Walbrecht M, Wilson JB, Huisman THJ. *Hb Iowa or $\alpha_2\beta_2119(GH2)Gly->Ala$* . Hemoglobin 14:423-429, 1990.
4. Bircan I, Gur Guven A, Yegin O, **Plaseska D**, Wilson JB, Ramachandran M, Huisman THJ. *Hb N-Baltimore ($\alpha_2\beta_295(FG2)Lys->Glu$) and Hb J-Iran ($\alpha_2\beta_277(EF1)His->Asp$) 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 $\alpha_2130(H13)Ala->Pro\beta_2$; 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 $\alpha_2^G\gamma_215(A12)Trp->Arg$* . 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 $\alpha_2\beta_2114(G16)Leu->Met$* . Hemoglobin 14:555-557, 1990.
8. Wilson JB, Webber BB, **Plaseska D**, de Alarcon PA, McMillan SK, Huisman THJ. *Hb Davenport or $\alpha_278(EF7)Asn->His\beta_2$* . Hemoglobin 14:599-605, 1990.
9. **Plaseska D**, Kutlar F, Wilson JB, Fei YJ, Huisman THJ. *Hb F-Charlotte, an γ variant with a threonine residue in position $\gamma 75$ and a glycine residue in position $\gamma 136$* . 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 ($\beta 31(B13)Leu->Pro$) 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 ($\beta 43(CD2)Glu->Gln$) 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 [$\beta 27(B9)Ala->Asp$]: 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 $\alpha_2^A\gamma_22(NA_2)His->Gln$* . Hemoglobin, 18:241-245, 1994.
19. **Plaseska D**, Panovska-Popovska S, Lazarevski M, Efremov GD. *HbF-Macedonia-II ($\gamma^F\gamma 104(G6)Lys->Asn$): 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 (1811+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 $\beta 77(\text{EF1})\text{His} \rightarrow \text{Gln}$* . Hemoglobin 22:391-395, 1998.
25. Tsoi WC, **Plaseska-Karanfilska D**, Efremov, GD. *Hb Brockton [$\beta 138(\text{H16})\text{Ala} \rightarrow \text{Pro}$] 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- β^0 -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 / β^0 -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 $\beta 143(\text{H21})\text{His} \rightarrow \text{Tyr}$, 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**, Bashevskva 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 length 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, Kocevskva 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, Noveski P, Kocevskva 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. Davalievva 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, Kocevskaja 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**, Noveski 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, Noveski P, Kocevskaja 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, Noveski 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, Noveski 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. Noveski 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. 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. 90(1):157-9, 2011.
55. **Plaseska-Karanfilska D**, Dimovski A. *Professor Georgi D. Efremov (1932-2011)*. Acta Haematol. 14;126(3):151, 2011
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 32(1):333-6, 2011.
57. **Dijana Plaseska-Karanfilska**, Predrag Noveski 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*. Genetic Testing and Molecular Biomarkers 16(4):259-64, 2012.
59. Plaseski T, Noveski P, Popeska Z, Efremov GD, **Plaseska-Karanfilska D**. *Association study of single nucleotide polymorphisms in FASLG, JMJDIA, LOC203413, TEX15, BRDT, OR2W3, INSR and TAS2R38 genes with male infertility*. Journal of Andrology 33(4):675-83, 2012.
60. Davalieva K, Kiprijanovska S, Noveski P, Plaseski T, Kocevskaja B, Broussard C and **Plaseska-Karanfilska D**. *Proteomic analysis of seminal plasma in men with different spermatogenic impairment*. Andrologia 44(4):256-64, 2012.
61. Madjunkova S., Eftimov A., Georgiev V., Petrovski D., Dimovski A.J., **Plaseska-Karanfilska D**. *CAG repeat number in the androgen receptor gene and prostate cancer*. Balkan Journal of Medical Genetics, 15(1):31-36, 2012.
62. **Plaseska-Karanfilska D**. *National Reference Centre for Genomics and Proteomics-MACPROGEN*. Balkan Journal of Medical Genetics, Supplement; 15:9-12, 2012.
63. **Plaseska-Karanfilska D.**, Noveski P., Plaseski T., Maleva I., Madjunkova S., Moneva Z. *Genetic causes of Male infertility*. Balkan Journal of Medical Genetics, Supplement; 15:31-34, 2012.

64. Davaliev K., Kiprijanovska S., Noveski P., Plaseski T., Kocevka B., **Plaseska-Karanfilska D.** *Human seminal plasma proteome study: A search for male infertility biomarkers.* Balkan Journal of Medical Genetics, Supplement; 15:35-38, 2012.
65. Madjunkova S, Sukarova-Stefanovska E, Kocheva S, Maleva I, Noveski P, Kiprijanovska S, Stankova K, Dimcev P, Madjunkov M, **Plaseska-Karanfilska D.** *Rapid and non invasive prenatal diagnosis.* Balkan Journal of Medical Genetics, Supplement; 15:39-44, 2012.
66. Sukarova Stefanovska E, Davceva Cakar M, Filipce I, **Plaseska Karanfilska D.** *Genetics of non-syndromic hearing loss in the Republic of Macedonia.* Balkan Journal of Medical Genetics, Supplement; 15:57-60, 2012.
67. Atanasovska B, Bozhinovski G, Chakalova Ly, Koceva S, Karanfiski O, **Plaseska-Karanfiska D.** *Molecular diagnosis of - β - thalassaemia.* Balkan Journal of Medical Genetics, Supplement; 15:61-66, 2012.
68. Kiprijanovska S, Sukarova-Stefanovska E, Noveski P, Chalovska V, Polenakovic M, **Plaseska-Karanfilska D.** *Study of the hepatitis C virus in the Republic of Macedonia.* Balkan Journal of Medical Genetics, Supplement; 15:67-70, 2012.
69. Maleva I, Madjunkova S, Bozhinovski G, Smickova E, Kondov G, Spiroski Z, Arsovski A, **Plaseska-Karanfilska D.** *Genetic variation of the BRCA1 and BRCA2 genes in Macedonian patients.* Balkan Journal of Medical Genetics, Supplement; 15:81-86, 2012.
70. Popovska-Jankovic K, Noveski P, Chakalova Ly, Petrusevska G, Kubelka K, **Plaseska-Karanfilska D.** *MicroRNAs in Breast cancer – our initial results.* Balkan Journal of Medical Genetics, Supplement; 15:81-86, 2012.
71. Atanasovska B, Bozhinovski G, **Plaseska-Karanfiska D,** Chakalova Ly. *Efficient detection of Mediteranean β - thalassaemia mutations by multiplex single nucleotide extension.* PloS One, accepted with minor revisions, July 2012.

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 thalassaemia in Yugoslavia.* 3th Conference on thalasseмии 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 medicinskite biohemicari na R. Makedonija, Ohrid, 13-15.X.1993.
3. Jankovic, L., **Plaseska, D.**, Petreska, L., Koceva, S., i Efremov, G.D.: *PCR vo identifikuvanje 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 $\alpha_2^A\gamma$ (NA₂) His->Glu i HbF-Macedonia-II ili $\alpha_2G\gamma_2$ 104(G6) Lys->Asn) otkrieni vo Republika Makedonija.* VII Kongres na pedijatrie na Republika Makedonija so megunarodno ucestvo, 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: *β -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.
15. Bardarova KG, **Plaseska-Karanfilska D,** Preden-Kerekovic V, Efremov GD. *Double heterozygosity for hemoglobin C and Lepore-Boston-Washington in a patient from Croatia*. 10th International Congress of Human Genetics, May 15-19, 2001, Vienna, Austria, European J. Human Genetics 9, suppl.1, pp.409, #P1569, 2001.
16. Simjanovska L, Kicurovska M, **Plaseska-Karanfilska D,** Dimovski A, Duma A, Efremov GD: DNA paternity testing of five-year-old exhumed remains. 19th International Congress of International Society for Forensic Genetics, August 28 – September 1, 2001, Munster, Germany.
17. Duvlis S., **Plaseska-Karanfilska D.**, Basheska N., Dimitrov G., Lazarevski S., Efremov G.D. *A variant of a rare HPV type 66 is the third most common HPV type among Macedonian women with cervical lesions*. 2nd Balkan Conference of Microbiology, November 22-24, 2001, Thessaloniki, Greece.
18. Kocheva S., **Plaseska-Karanfilska D.**, Fustic S., Caparevska M., Efremov G.D., *The Macedonian Cystic Fibrosis Database*. 5th International Symposium for Cystic Fibrosis, November 9-10, 2001, Tallinn, Estonia.
19. **Plaseska-Karanfilska D.** *SEE Molecular Biology and Genetics Network*. UNESCO Working group on research infrastructures in SEE, June 30, 2002, Paris, France.
20. Koceva S., Dimovski A.J., **Plaseska-Karanfilska D.**, Stefanovska A-M., Vlaski-Jekic S., Efremov G.D. *Molecular analysis of Huntington disease in the Republic of Macedonia*. 5th Balkan Meeting on Human Genetics, August 28-September 01, 2002, Sofia, Bulgaria.
21. Davalieva K, Jevtovic T, Milicevic R, **Plaseska-Karanfilska D,** Dimovski A, Efremov GD. *The frequencies of HFE C282Y and H63D mutations in the population of the Republic of Macedonia*. 5th Balkan Meeting on Human Genetics, August 28-September 01, 2002, Sofia, Bulgaria.
22. Momirovska A, **Plaseska-Karanfilska D,** Dimovski A, Efremov GD. *Molecular screening for fragile X syndrome among mentally retarded individuals in Macedonia*. 5th Balkan Meeting on Human Genetics, August 28-September 01, 2002, Sofia, Bulgaria.
23. Plaseski T, Arsovska S, Efremov GD, **Plaseska-Karanfilska D.** *Detection of 45,XO/46,XY mozaicism in peripheral blood by quantitative fluorescent PCR*. 5th Balkan Meeting on Human Genetics, August 28-September 01, 2002, Sofia, Bulgaria.
24. Arsovska S, Dimcevic P, Kaeva M, Efremov GD, **Plaseska Karanfilska D.** *Rapid prenatal diagnosis of common aneuploidies by quantitative fluorescent polymerase chain reaction*. 5th Balkan Meeting on Human Genetics, August 28-September 01, 2002, Sofia, Bulgaria.
25. Plaseski T, Dimitrovski C, Kocevska B, Efremov GD, **Plaseska-Karanfilska D.** *Screening for Y-chromosome microdeletions in infertile males from the Republic of Macedonia*. 5th Balkan Meeting on Human Genetics, August 28-September 01, 2002, Sofia, Bulgaria.
26. Davalieva K, **Plaseska-Karanfilska D,** Efremov GD. *Rapid screening of β -thalassemia mutations by SSCP and RFLP*. 10th meeting of the Balkan Clinical Laboratory Federation, September 17-21, 2002, Ohrid, Macedonia.

27. Momirovska A, **Plaseska-Karanfilska D**, Dimovski A, Efremov GD. *Southern blot for the detection of FMR1 mutation - our experiance*. 10th Meeting of the Balkan Clinical Laboratory Federation, September 17-21, Ohrid, Macedonia.
28. Duvlis S, **Plaseska-Karanfilska D**, Milanova E, Dimitrov G, Naumov J, Efremov GD. *Molecular characterization of human papillomavirus infection among women from the Republic of Macedonia*. 10th Meeting of the Balkan Clinical Laboratory Federation, September 17-21, 2002, Ohrid, Macedonia.
29. Plaseski T, Dimitrovski C, Kocevaska B, Efremov GD, **Plaseska-Karanfilska D**. *Multiplex polymerase chain reaction analysis for the detection of Y chromosome microdeletions*. 10th Meeting of the Balkan Clinical Laboratory Federation, September 17-21, 2002, Ohrid, Macedonia.
30. **Plaseska-Karanfilska D**. (plenary lecture) *New trends in the prenatal DNA diagnosis of monogenic and chromosomal disorders*. 10th Meeting of the Balkan Clinical Laboratory Federation, September 17-21, 2002, Ohrid, Macedonia.
31. **Plaseska-Karanfilska D**. *SEE Molecular Biology and Genetics Network*. South-eastern Europe and the Medditerranean area challenges in the European RTD co-operation, November 17-20, 2002, Cavtat, Croatia.
32. Dimovski AJ, **Plaseska-Karanfilska D**, Stefanovska A-M, Efremov GD. *Molecular basis of inherited colorectal carcinomas in the Republic of Macedonia*. Regional network and common research program in Central Eastern Europe and South Mediterranean Countries on Genetics, September 11-14, 2003, Athens, Greece.
33. **Plaseska-Karanfilska D**, Dimovski AJ, Stefanovska A-M, Efremov GD. *Genetic predisposition of sporadic colorectal cancer among patients from the Republic of Macedonia*. Regional network and common research program in Central Eastern Europe and South Mediterranean Countries on Genetics, September 11-14, 2003, Athens, Greece.
34. Kocheva S, **Plaseska-Karanfilska D**, Fustic-Naceva S, Efremov GD. *Genetic counselling and prenatal diagnosis of cystic fibrosis in Macedonia*. 7th International Symposium for cystic fibrosis. September 20, 2003, Bratislava, Slovakia.
35. **Plaseska-Karanfilska D**, Plaseski T, Dimitrovski C, Koceva B, Efremov GD. *Y-chromosme microdeletions among infertile males from the Republic of Macedonia*. 13th Balkan Biochemical Biophysical days & Meeting on metabolic Disorders; October 12-15, 2003, Kusadasi, Turkey.
36. Dimovski AJ, **Plaseska-Karanfilska D**, Stefanovska A-M, Efremov GD. *Molecular basis of colorectal cancer in the Republic of Macedonia*. 13th Balkan Biochemical Biophysical days & Meeting on metabolic Disorders; October 12-15, 2003, Kusadasi, Turkey.
37. **Plaseska-Karanfilska D**, Dejanovska M, Popovska K, Plaseski T, Kocevaska B, Dimitrovski C, Efremov GD. *Hemochromatosis H63D allele is associated with severe oligozoospermia*. European Human Genetics Conference 2004, June 12-15, 2004, Munich, Germany, European J. Human Genetics 12, suppl.1, pp.284, #P0921, 2004.
38. Popovska K, Dejanovska M, Davalievaa, Duvlis S, Efremov GD, **Plaseska-Karanfilska D**. *Human papilloma virus (HPV) types among Macedonian women with low- and high-grade squamous intraepithelial lesions (SILs)*. June 26 –July 1, 2004, Warsaw, Poland, European Journal of Biochemistry 271, Supplement 1, pp 240-241, P6.4-06.
39. **Plaseska-Karanfilska D**. *Forensic DNA identification in the Republic of Macedonia*. First International Course for Judges from Serbia, Montenegro and Macedonia on present-day biological issues, July 7-9, 2004, Belgrade, Serbia and Montenegro.
40. **Plaseska-Karanfilska D**. *The case of networking: science and technology in Macedonia*; invited speaker in the session "Making links, building bridges: Science matters in South Eastern Europe" organized by UNESCO-ROSTE; EuroScience Open Forum 2004, 25-28 August 2004, Stockholm, Sweden.
41. **Plaseska-Karanfilska D**, Plaseski T, Dimitrovski C, Kocevaska B, Efremov GD. *Association between CAG repeat number in the androgen receptor gene and male infertility in Macedonian males*. European Human Genetics Conference 2005, May 07-10, 2005, Prague, Czech Republic, European J. Human Genetics 13, suppl.1, pp.333, #P0921, 2005.
42. Kubelka-Sabit K, **Plaseska-Karanfilska D**, Prodanova I, Yashar G, Hadzi-Nicheva B, Veljanovska S, Zografski G, Basheska N. *Small and large cell neuroendocrine carcinomas of the uterine cervix. A*

- report of 10 cases. 20th European Congress of Pathology, September 3-8, 2005, Paris, France. Virchows Archiv P 765.
43. **Plaseska-Karanfilska D**, Plaseski T, Novevski P, Dimitrovski C, Kocevka B, Efremov GD. *Partial AZFc deletions with loss of CDY1b represent a risk factor for male infertility among Macedonians*. European Human Genetics Conference 2006, May 06-09, 2006, Amsterdam, The Netherlands, European J. Human Genetics 13, suppl.1, pp.333, #P0921, 2006.
 44. Popovska-Jankovic K, Tasic V, Bogdanovic R, Miljkovic P, Alper Soyulu, Ipek Akil, Esra Baskin, R Topaloglu, Efremov GD and **Plaseska-Karanfilska D**. *Cystinuria in South East European countries: mutations in SLC3A1 and SLC7A9 genes*. 24th Congress IUBMB June 24 –June 29, 2006, Istanbul, Turkey
 45. Talaganova S, Dimcevic P, Sukarova E, Efremov GD and **Plaseska-Karanfilska D**. *Prenatal diagnosis of common aneuploidies by QF-PCR analysis in the Republic of Macedonia*. 24th Congress IUBMB June 24 –June 29, 2006, Istanbul, Turkey
 46. **Plaseska-Karanfilska D**. Plaseski T. Noveski P. Dimitrovski C. Kocevka B, Efremov GD. *Partial AZFc deletions in Macedonian infertile men*. 7th Balkan Meeting on Human Genetics, August 31 – September 2, 2006, Skopje, Macedonia; BJMG Supplement, OP12, p40.
 47. Stanojevic E, Glamocanin S, **Plaseska-Karanfilska D**, Efremov GD. *Compound heterozygosity for hemoglobin Knossos and IVS-I-6 mutation in a Macedonian boy*. 7th Balkan Meeting on Human Genetics, August 31 – September 2, 2006, Skopje, Macedonia; BJMG Supplement, PP120, p102.
 48. **Plaseska-Karanfilska D**, Noveski P, Kuzevska K, Basevska N, Kocova M, Efremov GD. *A new familial mutation in the SRY gene (Arg133Gly)*. 7th Balkan Meeting on Human Genetics, August 31 – September 2, 2006, Skopje, Macedonia; BJMG Supplement, PP124, p104.
 49. 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*. 7th Balkan Meeting on Human Genetics, August 31 – September 2, 2006, Skopje, Macedonia; BJMG Supplement, PP125, p104.
 50. Noveski P, Plaseski T, Kocevka B, Dimitrovski C, Efremov GD, **Plaseska-Karanfilska D**. *Association between polymorphism of the mitochondrial DNA polymerase gamma gene (POLG) and male infertility among Macedonian population*. 7th Balkan Meeting on Human Genetics, August 31 – September 2, 2006, Skopje, Macedonia; BJMG Supplement, PP148, p114.
 51. Talaganova S, Trivodalieva S, Arsovska S, Kaeva M, Efremov GD, **Plaseska-Karanfilska D**. *The parental and meiotic origin of extra chromosome 21 in Down syndrome patients*. 7th Balkan Meeting on Human Genetics, August 31 – September 2, 2006, Skopje, Macedonia; BJMG Supplement, PP157, p118.
 52. Davalievka K, Efremov GD, **Plaseska-Karanfilska D**. *Fetal sex determination using real-time PCR analysis of maternal plasma*. 7th Balkan Meeting on Human Genetics, August 31 – September 2, 2006, Skopje, Macedonia; BJMG Supplement, PP159, p119.
 53. Kocheva SA, **Plaseska-Karanfilska D**, Vlaski-Jekic S, Kuturec M, Efremov GD. *Genetic counseling and prenatal diagnosis in Macedonian DMD/BMD families*. 7th Balkan Meeting on Human Genetics, August 31 – September 2, 2006, Skopje, Macedonia; BJMG Supplement, PP163, p121.
 54. **Plaseska-Karanfilska D**. *Non-invasive prenatal diagnosis: determination of fetal sex and Rhesus D genotyping using real-time PCR analysis of fetal DNA in maternal plasma*. (invited lecture), "Applications of Functional Genomics to Biomedical Research" Workshop, Cavtat, Croatia, 10-12th November 2006.
 55. **Plaseska-Karanfilska D**, Talaganova S, Trivodalieva S, and Efremov GD. *Prenatal diagnosis of aneuploidies of chromosomes 13, 18, 21, X and Y by QF-PCR in the Republic of Macedonia*. European Human Genetics Conference 2007, June 16-19, 2007, Nice, France, European J. Human Genetics 15, suppl.1, pp.140, #P0478, 2007.
 56. Trivodalieva S, Efremov GD and **Plaseska-Karanfilska D**. *Relationship between MTHFR C677T and A1298C and maternal risk for having a child with chromosomal aneuploidy*. European Human Genetics Conference 2007, June 16-19, 2007, Nice, France, European J. Human Genetics 15, suppl.1, pp.239, #P0928, 2007.
 57. **Plaseska-Karanfilska D**, Plaseski T, Novevski P, Dimitrovski C, Kocevka B, Efremov GD. *Y-chromosome haplogroups in infertile males from the Republic of Macedonia*. Florence-Utah International symposium Genetics of male infertility, September 14-16, 2007, Florence, Italy.

58. **Plaseska-Karanfilska D**, Plaseski T, Noveski P, Trivodalieva S, and Efremov GD. *Detection of the most common genetic causes of male infertility by QF-PCR*. European Human Genetics Conference 2008, May 31-June 3, 2008, Barcelona, Spain, European Journal of Human Genetics 16, suppl.2, pp.174, #P02.242, 2008.
59. Trivodalieva S, Matevska N, Noveski P, Dimovski A and **Plaseska-Karanfilska D**. *CAG repeat number in androgen receptor gene and prostate cancer*. European Human Genetics Conference 2008, May 31-June 3, 2008, Barcelona, Spain, European Journal of Human Genetics 16, suppl.2, pp.232, #P04.183, 2008.
60. Noveski P, Trivodalieva S, Efremov G. and **Plaseska-Karanfilska D**. *Hierarchical analysis of 28 Y-chromosome SNP's in the population of the Republic of Macedonia*. European Human Genetics Conference 2008, May 31-June 3, 2008, Barcelona, Spain, European Journal of Human Genetics 16, suppl.2, pp.286, #P05.211, 2008.
61. **Plaseska-Karanfilska D**. *Genetics of male infertility* (Invited lecture). 8th Balkan Meeting of Human Genetics, May 14-17, 2009, Cavtat, Croatia.
62. Kiprijanovska S, Trivodalieva S, Efremov GD and **Plaseska-Karanfilska D**. *The parental origin of chromosome aneuploidies*. 8th Balkan Meeting of Human Genetics, May 14-17, 2009, Cavtat, Croatia.
63. Noveski P, Plaseski T, Efremov GD and **Plaseska-Karanfilska D**. *Polymorphisms of folate related genes and male infertility*. 8th Balkan Meeting of Human Genetics, May 14-17, 2009, Cavtat, Croatia.
64. **Plaseska-Karanfilska D**, Noveski P, Matevska N, Dimovski A, Efremov GD. *Y chromosome haplogroup R1a is associated with prostate cancer risk among Macedonian males*. European Human Genetics Conference 2009, May 23-27, 2009, Vienna, Austria.
65. Trivodalieva S, Volk M, Peterlin B, Efremov GD, **Plaseska-Karanfilska D**. *Multiplex SNaPshot analysis for the detection of 10 mutations in thrombophilia and folate related genes*. European Human Genetics Conference 2009, May 23-27, 2009, Vienna, Austria.
66. **Plaseska-Karanfilska D**. *Detection of common chromosome aneuploidies by quantitative fluorescence (QF)-PCR*. 17th Meeting of Balkan Clinical Laboratory Federation & 5th Macedonian National Congress of Medical Biochemists, September 16-19, 2009, Ohrid, R.Macedonia, LP 04 (invited lecture), Balkan Journal of Clinical Laboratory Suppl. 2009, p57-58.
67. **Plaseska-Karanfilska D**, Noveski P, Plaseski T, Efremov GD. *Y-chromosomal background of gr/gr deletions*. European Human Genetics Conference 2010, June 12-15, 2010, Gothenburg, Sweden.
68. Madzunkova S, **Plaseska-Karanfilska D**, Kondov G, Spirovski Z, Efremov GD. *Androgen receptor CAG polymorphism and breast cancer risk in Macedonian women*. European Human Genetics Conference 2010, June 12-15, 2010, Gothenburg, Sweden.
69. Kiprijanovska S, Madzunkova S, Efremov GD, **Plaseska-Karanfilska D**. *Polymorphisms of folate related genes and a risk of having a child with chromosome aneuploidy*. European Human Genetics Conference 2010, June 12-15, 2010, Gothenburg, Sweden.
70. Maleva I, **Plaseska-Karanfilska D**, Kondov G, Spirovski Z, Efremov GD. *BRCA2 N372H polymorphism and breast cancer risk*. European Human Genetics Conference 2010, June 12-15, 2010, Gothenburg, Sweden.
71. Noveski P, Plaseski T, Efremov GD, **Plaseska-Karanfilska D**. *Frequency of cystic fibrosis transmembrane conductance regulator gene mutations in infertile man*. European Human Genetics Conference 2010, June 12-15, 2010, Gothenburg, Sweden.
72. **Plaseska-Karanfilska D**, Noveski P, Plaseski T and Efremov GD. *Association study of nine polymorphisms in eight different genes (FASLG, JMJDIA, LOC203413, TEX15, BRDT, OR2W3, INSR and TAS2R38) with male infertility*. European Human Genetics Conference 2011, May 28-31, 2011, Amsterdam, The Netherlands.
73. Noveski P, Plaseski T, Efremov GD, **Plaseska-Karanfilska D**. *b2/b3 deletion is associated with spermatogenic failure in men from the Republic of Macedonia*. European Human Genetics Conference 2011, May 28-31, 2011, Amsterdam, The Netherlands.
74. Maleva I, **Plaseska-Karanfilska D**, Sabolic-Avramovska V, Kuturec M, Sukarova-Angelovska E and Efremov GD. *Mutational analysis in TSC1 and TSC2 genes in patients with tuberous sclerosis*

- complex*. European Human Genetics Conference 2011, May 28-31, 2011, Amsterdam, The Netherlands.
75. Madjunkova S, Efremov GD, **Plaseska-Karanfilska D**. *Thrombophilic mutations among women with spontaneous abortions*. European Human Genetics Conference 2011, May 28-31, 2011, Amsterdam, The Netherlands.
 76. **Plaseska-Karanfilska D**. *Molecular profiling of infertile men* (Invited lecture). 9th Balkan Meeting of Human Genetics, September 15-17, 2011, Timisoara, Romania; BJMG 2011 Supplement, L12, p14.
 77. Madjunkova S, Kocheva S, **Plaseska-Karanfilska D**. *Detection of Cystic Fibrosis mutations by Multiplex SNaPshot analysis* (oral presentation). 9th Balkan Meeting of Human Genetics, September 15-17, 2011, Timisoara, Romania; BJMG 2011 Supplement, O 21, p35.
 78. Maleva I, Madjunkova S, Chalkalova L, Plaseski T, **Plaseska-Karanfilska D**. *Copy number variants in infertile men detected by Array Comparative Genomic Hybridization*. 9th Balkan Meeting of Human Genetics, September 15-17, 2011, Timisoara, Romania; BJMG 2011 Supplement, P74, p82.
 79. **Plaseska-Karanfilska D**, Madjunkova S, Maleva I, Kiprijanovska S. *Rapid prenatal diagnosis of common chromosome aneuploidies using quantitative fluorescent (QF)-PCR: 10 years experience in a center from the Republic of Macedonia*. 12th International Congress of Human Genetics, October 10-15, 2011; Montreal, Canada.
 80. **Plaseska-Karanfilska D**. *Hemoglobinopathies: Specificities and incidence in the Republic of Macedonia* (Invited lecture) National scientific and educational workshop: Anemias and nutrition in pregnant women and children under 5 years of age, 27-29 April, 2012, Ohrid, Republic of Macedonia
 81. **Plaseska-Karanfilska D**. *Molecular detection of human papilloma virus*. (Invited lecture); "PAP test – diagnostic difficulties and management" Workshop; June 21, 2012, Skopje, R. Macedonia
 82. Sukarova Stefanovska E., Cakar M., Filipce I., **Plaseska-Karanfilska D**. *Mitochondrial DNA mutations are not a common cause of non-syndromic hearing loss in Republic of Macedonia*; European Human Genetics Conference, June 23-26, 2012, Nürnberg, Germany
 83. Maleva I., Bozhinovski G., Smickova E., Kondov G, Spirovski Z. and **Plaseska-Karanfilska D**. *Multiplex single-nucleotide primer extension assay for detection of low-penetrance breast cancer susceptibility polymorphisms*. European Human Genetics Conference, June 23-26, 2012, Nürnberg, Germany
 84. Atanasovska B., Bozhinovski Gj., **Plaseska-Karanfilska D.**, Chakarova Ly. *Multiplex assay for the detection of common Mediterranean beta-thalassemia mutations*. European Human Genetics Conference, June 23-26, 2012, Nürnberg, Germany
 85. Moneva Z., Noveski P., Plaseski T., **Plaseska-Karanfilska D**. *Association study of single nucleotide polymorphisms in SLC6A14 gene with male infertility*. European Human Genetics Conference, June 23-26, 2012, Nürnberg, Germany
 86. Noveski P., Chalkalova L., Plaseski T., **Plaseska Karanfilska D**. *TSPY1 copy number variation and male infertility*. European Human Genetics Conference, June 23-26, 2012, Nürnberg, Germany
 87. Madjunkova S., Kumnova A., Stankova K., Gerasimova P., **Plaseska-Karanfilska D**. *Y chromosome AZF deletions/duplications and spontaneous pregnancy loss*. European Human Genetics Conference, June 23-26, 2012, Nürnberg, Germany