EUROPEAN FORM OF AUTOBIOGRAPHY

PERSONAL INFORMATION

Name	**DARINA LYUDMILOVA KACHAKOVA-YORDANOVA**
Addres	**BULGARIA, SOFIA CIOTY, BUL. BULGARIA 58, ENTRANCE B, AP. 46, POST CODE 1680**
Telephone	**+359887990553**
Fax	
E-mail	**darina.kachakova@gmail.com, darina_kachakova@mmcbg.org**
Nationalitty	Bulgarian
Date of birth	17.12.1984

WORK INTERNSHIP

• Dates (from-to)	**March 2013 till now**
• Name and address of employer	Laboratory of Genomic diagnostics, Molecular medicine center, Department of Medical chemistry and biochemistry, Medical faculty, Medical university - Sofia
• Type of activity or field of work	Genetic analysis
• Position	**Biology-geneticist**
• Main activities and responsibilities	Planning and conducting scientific research and experiments and analyses, interpretation of obtained genetic results. Improvement or development of laboratory methods. Applying to contests for financing research projects. Conducting analyzes to determine the genetic cause of the development of a number of diseases.
• Dates (from-to)	**March 2010 to March 2013**
• Name and address of employer	Laboratory of Genomic diagnostics, Molecular medicine center, Department of Medical chemistry and biochemistry, Medical faculty, Medical university - Sofia
• Type of activity or field of work	Genetic analysis
• Position	**PhD student** registered with Order №P.185/15.03.2010
• Main activities and responsibilities	Performing genetic, epigenetic, expression analyzes in prostate cancer.
• Dates (from-to)	**June 2009- to March 2010**
• Name and address of employer	Laboratory of Genomic diagnostics, Molecular medicine center, Department of Medical chemistry and biochemistry, Medical faculty, Medical university - Sofia
• Type of activity or field of work	
• Position	**Biology- laboratory assistant**

• Main activities and responsibilities	Isolation of high molecular weight DNA and RNA. Participation in genetic analyses
• Dates (from-to)	**March 2009- to may 2009**
• Name and address of employer	National Genetic Laboratory, Sofia
• Type of activity or field of work	
• Position	**Medical –laboratory assistant**
• Main activities and responsibilities	Isolation of high molecular weight DNA from venous blood, amniotic fluid, chorionic villi, abortive material..

EDUCATION AND TRAINING

• Dates (from-to)	2003 year- 2007year]
• Name and type of training or educational organization	Sofia University „Sv. Kliment Ohridski"
• Core subjects/preferred professional skills	Специалност Молекулярна биология
• Name of the acquired qualification	Bachelor
• Dates (from-to)	2007 2009 year.
• Name and type of training or educational organization	Sofia University „Sv. Kliment Ohridski "
• Core subjects/preferred professional skills	Specialty Genetics
• Name of the acquired qualification	Master's degree
• Dates (from-to)	15.03.2010 to 2013 year.
• Name and type of training or educational organization	Medical University - Sofia, Department of Medical Chemistry and Biochemistry
• Core subjects/preferred professional skills	Scientific specialty Molecular genetics
• Name of the acquired qualification	PhD, acquired on 01.06.2015, thesis "Molecular profiling in prostate cancer""

Trainings:

2008г.- Course in Bioethics, Perugia, Italy
Camara D., Dimitrova Ir., Doynova M., Jachacz L., Kachakova D., Kepka M., Ould Isselmou CB., Vorniere JP., Yungarva Tsv. Transgenic and cloned animals: Ethical Problems? pdfs.semanticscholar.org

11.09.2008 - PALM MicroBeam LMD laser microdissection system training course, Carl Zeizz, Germany, led by Carl Zeizz representative Dr. Wolf-Dieter Schulz, Germany, held at the Center for Molecular Medicine, Department of Medicinal Chemistry and Biochemistry , Medical University of Sofia

1 - 5.11. 2010- Course "Biomek Continuum - Basic Training" for operators of automated robotic system Biomek, Nyon, Switzerland, organized by the manufacturer, Beckman, Medical University - Sofia, Department of "Medical Chemistry and Biochemistry",

7 - 9.03.2011 - Specialized course for those trained in molecular pathology of cancer: 1st EACR-OECI Joint Training Course "Molecular pathology Approach to cancer", Amsterdam

4-7.07.2011 - Specialized training on working with the PALM MicroBeam LMD laser microdissection system, Carl Zeizz, Germany and its application in the analysis of tumors, cells and cytogenetic preparations, conducted by Carl Zeizz representative Dr. Kirsten Haden-Mann, Center for Molecular Medicine

25-27.10.2011 - Bioinformatics course for working with the public database ENSEMBL and public data for: Analysis of nucleotide sequences - Nucleotide Sequence databases; Transcriptomics and Gene Expression Atlas -

ArrayExpress & Gene Expression Atlas; Mass Spectrometry and Proteomics - Mass Spectrometry based Proteomics, PRIDE and programs like BioMart for database analysis and data mining.
Organizers: the Center for Molecular Medicine and the Genome Center of the University of St. Kliment Ohridski", together with the European Bioinformatics Institute EMBL (European Bioinformatics Institute). Guest speakers from EMBL were Yana Vandrovkova, James Watson, Emma Hastings and Juan Vizqueino.

28-30.04.2014- Training on microRNA microarrays and specialized GeneSpring software for microarray data analysis, hosted by Agilent Technologies, Inc, Dr. Andreas Pölten, Waldbronn, Germany

20.04. 2022 – virtual training for introduction to analysis with DRAGEN bio IT (Map and Align, Germline pipeline, Copy Number Variant pipeline, QC Metrics (Live-demo), Accessing DRAGEN using Command Line Interface, DRAGEN Support Resources

16-17 june 2022– training for the operation and safe operation of the NovaSeq 6000, working with a server bioinformatics platform for ultra-fast secondary analysis of next-generation sequencing data - DRAGEN bio IT, as well as working with the TruSeq DNA PCR free protocol to prepare libraries for whole-genome next-generation sequencing at the reference center of the manufacturer Illumina inc - Illumina Cambridge Center at 19 Granta Park, Cambridge, United Kingdom

22-24 june 2022 online training, introduction to next-generation sequencing data analysis. June 22- Sequencing workflow, assessment of sequencing progress through SAV. Network and hardware considerations for data analysis; June 23- Introduction to FASTQ files, Secondary Analysis; June 24 – QC of sequencing data via secondary analisys metrics, Tertiary analysis. Training provided by Illumina representatives

PERSONAL SKILLS AND COMPETENCES

Acquired in life or in the profession, but not necessarily certified by an official document or diploma.

NATIVE LANGUAGE	**Bulgarian**
OTHER LANGUAGES	
	ENGLISH
• Reading	EXCELLENT
• Writing	GOOD
• Speaking	GOOD
SKILLS AND COMPETENCES *Coexistence with other people in an intercultural environment, in situations where communication and teamwork are essential (e.g. in culture and sports), etc.*	ISOLATION OF DNA AND RNA FROM VARIOUS BIOLOGICAL MATERIALS, ANALYSIS OF DNA/RNA ON AGAROSE GEL, PCR TECHNOLOGIES, REAL TIME PCR, RFLP, SSCP, FRAGMENT ANALYSIS, DIRECT SEQUENCE, NEXT GENERATION SEQUENCE, ANALYSIS AND INTERPRETATION OF RESULTS OF NEXT GENERATION SEQUENCE, , MICROCHIP ANALYSIS, WORKING WITH THE BIOMEK AUTOMATED ROBOTIC SYSTEM, WORKING WITH THE PALM MICROBEAM LMD LASER MICRODISSECTION SYSTEM, ASSOCIATION STUDIES AND STATISTICS, WORKING WITH DATABASES
DRIVING LICENSE	Driving license for category B and M motor vehicles
ADDITIONAL INFORAMTION	REFERRALS WILL BE PROVIDED UPON REQUEST. Individuals and/or organizations that can provide a professional recommendation or review: 1. Prof. Alexey Savov, Department of Obstetrics and Gynecology, Faculty of Medicine, MU 2. Prof. Dr. Radka Kaneva, Department of Biochemistry and Chemistry, Faculty of Medicine, MU
APPLICATIONS	LIST OF SCIENTIFIC PUBLICATIONS COPY OF THE WORKBOOK MEDICAL CERTIFICATE CRIMINAL RECORD CERTIFICATE MASTER'S DIPLOMA NOTARIZED

Application 1

List of scientific publications of Darina Kachakova

1. Eeles RA, Kote-Jarai Z, Olama AA, .Kaneva R, Slavov C, Mitkova A, Kachakova D…, The UK Genetic Prostate Cancer Study Collaborators/British Association of Urological Surgeons' Section of Oncology, The UK ProtecT Study Collaborators, The PRACTICAL Consortium, Easton DF, Identification of seven novel prostate cancer susceptibility loci through a genome-wide association stud*y*, Nature Genetics 2009, Oct;41(10):1116-21., october 2009; IF 2009 (34.284)

2. Kote-Jarai, Sofía, Ali Amin Al Olama, Graham G. Danielle M. Karyadi ... Mitev...The **PRACTICAL** Consortium… (Kachakova D)…., Douglas F Easton, Rosalind A Eeles. The Seven prostate cancer susceptibility loci identified by a multi-stage genome-wide association study. Nat Genet. 2011 Jul 10. doi: 10.1038/ng.882. PubMed PMID: 21743467; ИФ 2011 (22.84)

3. Amin Al Olama A, Kote-Jarai Z, Schumacher FR, Wiklund F, Berndt SI, Benlloch S, Giles GG, ……Cybulski C, Lubinski J, Thibodeau SN, Schaid DJ, Sorensen KD, Batra J, Clements JA, Chambers S, Aitken J, Gardiner RA, Maier C, Vogel W, Dörk T, Brenner H, Habuchi T, Ingles S, John EM, Dickinson JL, Cannon-Albright L, Teixeira MR, Kaneva R, Zhang HW, Lu YJ, Park JY, Cooney KA, Muir KR, Leongamornlert DA, Saunders E, Tymrakiewicz M, Mahmud N, Guy M, Govindasami K, O'Brien LT, …… Lose F, McDonnell SK, Joshi AD, Shahabi A, Pinto P, Santos J, Ray A, Sellers TA, Lin HY, Stephenson RA, Teerlink C, Muller H, Rothenbacher D, Tsuchiya N, Narita S, Cao GW, Slavov C, Mitev V; The UK Genetic Prostate Cancer Study Collaborators/British Association of Urological Surgeons' Section of Oncology; The UK ProtecT Study Collaborators; The Australian Prostate Cancer Bioresource; The **PRACTICAL** Consortium (…, Kachakova D, Mitkova A, Goranova T, Stancheva G,….), Chanock S, Gronberg H, Haiman CA, Kraft P, Easton DF, Eeles RA. A meta-analysis of genome-wide association studies to identify prostate cancer susceptibility loci associated with aggressive and non-aggressive disease. Hum Mol Genet. 2013 Jan 15;22(2):408-15; PMID: IF 2013 (6.677)

4. Giles GG, Severi G, Wiklund F, Gronberg H, Haiman CA, Schumacher F, Henderson BE, Le Marchand L, Lindstrom S, Kraft P, Hunter DJ, Gapstur S, Chanock S, Berndt SI, Albanes D, Andriole G, Schleutker J, Weischer M, Canzian F, Riboli E, Key TJ, Travis RC, Campa D, Ingles SA, John EM, Hayes RB, Pharoah P, Khaw KT, Stanford JL, Ostrander EA, Signorello LB, Thibodeau SN, Schaid D, Maier C, Vogel W, Kibel AS, Cybulski C, Lubinski J, Cannon-Albright L, Brenner H, Park JY, Kaneva R, Batra J, Spurdle A, Clements JA, Teixeira MR, Govindasami K, Guy M, Wilkinson RA, Sawyer EJ, Morgan A, Dicks E, Baynes C, Conroy D, Bojesen SE, Kaaks R, Vincent D, Bacot F, Tessier DC; COGS-CRUK GWAS-ELLIPSE (Part of GAME-ON) Initiative; UK Genetic Prostate Cancer Study Collaborators/British Association of Urological Surgeons' Section of Oncology; UK ProtecT Study Collaborators; **PRACTICAL** Consortium, Easton DF, Eeles RA. (2013) Fine-mapping identifies multiple prostate cancer risk loci at 5p15, one of which associates with TERT expression. Hum Mol Genet. 2013 Jun 15;22(12):2520-8. IF 2013 (6.677)

5. Kachakova D, Mitkova A, Popov E, Beltcheva O, Vlahova A, Dikov T, Hristova S, Mitev V, Slavov C, **Kaneva R**. Evaluation of the clinical value of the newly identified urine biomarker HIST1H4K for diagnosis and prognosis of prostate cancer in Bulgarian patients. J BUON. 2013 Jul-Sep;18(3):660-8. IF 2013 (0.706)

6. Popov TM, Stancheva I, **Kachakova** DL, Rangachev J, Konov D, Varbanova S, Mitev VI, **Kaneva RP**, Popova DP. Auditory Outcome After Cochlear Implantation in Patients With

Congenital Nonsyndromic Hearing Loss: Influence of the GJB2 Status. Otol Neurotol. 2014 Sep;35(8):1361-5, IF 2014 (1.598)

7. **Д. Качакова**, А. Миткова, Радка Кънева, Ваньо Митев. Ракът на простатата-генетично, геномно и епигенетично заболяване. Биоамаркери. Studia Oncologica,Октомври 2014, година VI, брой 3

8. Marinova, D., Slavova, Y., **Kachakova, D**., Stancheva, G., Mitkova, A., Kaneva, R., ... & Mitev, V. (2014). Gene expression of EGFR, MINA53, MEN1 and MTOR in NSCLCs. European Respiratory Journal, 44(Suppl 58), P2709.

9. Kachakova D, Mitkova A, Popov E, Popov I, Vlahova A, Dikov T, Christova S, Mitev V, Slavov C, Kaneva R. Combinations of Serum Prostate-Specific Antigen and Plasma Expression Levels of let-7c, miR-30c, miR-141, and miR-375 as Potential Better Diagnostic Biomarkers for Prostate Cancer. DNA Cell Biol. 2015 Mar;34(3):189-200, IF 2015 (2.574)

10. Kote-Jarai Z, Saunders EJ, Leongamornlert DA, Tymrakiewicz M, Dadaev T, Jugurnauth-Little S, Ross-Adams H, Al Olama AA, Benlloch S, Halim S, Russell R, Dunning AM, Luccarini C, Dennis J, Neal DE, Hamdy FC, Donovan JL, Muir K, Giles GG, Severi G, Wiklund F, Gronberg H, Haiman CA, Schumacher F, Henderson BE, Le Marchand L, Lindstrom S, Kraft P, Hunter DJ, Gapstur S, Chanock S, Berndt SI, Albanes D, Andriole G, Schleutker J, Weischer M, Canzian F, Riboli E, Key TJ, Travis RC, Campa D, Ingles SA, John EM, Hayes RB, Pharoah P, Khaw KT, Stanford JL, Ostrander EA, Signorello LB, Thibodeau SN, Schaid D, Maier C, Vogel W, Kibel AS, Cybulski C, Lubinski J, Cannon-Albright L, Brenner H, Park JY, Kaneva R, Batra J, Spurdle A, Clements JA, Teixeira MR, Govindasami K, Guy M, Wilkinson RA, Sawyer EJ, Morgan A, Dicks E, Baynes C, Conroy D, Bojesen SE, Kaaks R, Vincent D, Bacot F, Tessier DC; COGS-CRUK GWAS-ELLIPSE (Part of GAME-ON) Initiative; UK Genetic Prostate Cancer Study Collaborators/British Association of Urological Surgeons' Section of Oncology; UK ProtecT Study Collaborators; **PRACTICAL** Consortium, Easton DF, Eeles RA. (2013) Fine-mapping identifies multiple prostate cancer risk loci at 5p15, one of which associates with TERT expression. Hum Mol Genet. 2013 Jun 15;22(12):2520-8. IF 2013 (6.677)

11. Eeles RA, Olama AA, Benlloch S, Saunders EJ, Leongamornlert DA, Tymrakiewicz M, Ghoussaini M, Luccarini C, Dennis J, Jugurnauth-Little S, Dadaev T, Neal DE,Hamdy FC, Donovan JL, Muir K, Giles GG, Severi G, Wiklund F, Gronberg H, HaimanCA, Schumacher F, Henderson BE, Le Marchand L, Lindstrom S, Kraft P, Hunter DJ,Gapstur S, Chanock SJ, Berndt SI, Albanes D, Andriole G, Schleutker J, WeischerM, Canzian F, Riboli E, Key TJ, Travis RC, Campa D, Ingles SA, John EM, Hayes RB,Pharoah PD, Pashayan N, Khaw KT, Stanford JL, Ostrander EA, Signorello LB,Thibodeau SN, Schaid D, Maier C, Vogel W, Kibel AS, Cybulski C, Lubinski J,Cannon-Albright L, Brenner H, Park JY, Kaneva R, Batra J, Spurdle AB, ClementsJA, Teixeira MR, Dicks E, Lee A, Dunning AM, Baynes C, Conroy D, Maranian MJ,Ahmed S, Govindasami K, Guy M, Wilkinson RA, Sawyer EJ, Morgan A, Dearnaley DP,Horwich A, Huddart RA, Khoo VS, Parker CC, Van As NJ, Woodhouse CJ, Thompson A,Dudderidge T, Ogden C, Cooper CS, Lophatananon A, Cox A, Southey MC, Hopper JL,English DR, Aly M, Adolfsson J, Xu J, Zheng SL, Yeager M, Kaaks R, Diver WR,Gaudet MM, Stern MC, Corral R, Joshi AD, Shahabi A, Wahlfors T, Tammela TL,Auvinen A, Virtamo J, Klarskov P, Nordestgaard BG, Røder MA, Nielsen SF, Bojesen SE, Siddiq A, Fitzgerald LM, Kolb S, Kwon EM, Karyadi DM, Blot WJ, Zheng W, CaiQ, McDonnell SK, Rinckleb AE, Drake B, Colditz G, Wokolorczyk D, Stephenson RA,Teerlink C, Muller H, Rothenbacher D, Sellers TA, Lin HY, Slavov C, Mitev V, LoseF, Srinivasan S, Maia S, Paulo P, Lange E, Cooney KA, Antoniou AC, Vincent D,Bacot F, Tessier DC; COGS–Cancer Research UK GWAS–ELLIPSE (part of GAME-ON)Initiative; Australian Prostate

Cancer Bioresource; UK Genetic Prostate CancerStudy Collaborators/British Association of Urological Surgeons' Section ofOncology; UK ProtecT (Prostate testing for cancer and Treatment) StudyCollaborators; **PRACTICAL** (Prostate Cancer Association Group to InvestigateCancer-Associated Alterations in the Genome) Consortium, Kote-Jarai Z, Easton DF.Identification of 23 new prostate cancer susceptibility loci using the iCOGScustom genotyping array. Nat Genet. 2013 Apr;45(4):385-91, 391e1-2. doi:10.1038/ng.2560. PubMed PMID: 23535732; PubMed Central PMCID: PMC3832790. IF 2013 (29.648)

12. Al Olama AA, Kote-Jarai Z, Berndt SI, Conti DV, Schumacher F, Han Y, Benlloch S, Hazelett DJ, Wang Z, Saunders E, Leongamornlert D, Lindstrom S, Jugurnauth-Little S, Dadaev T, Tymrakiewicz M, Stram DO, Rand K, Wan P, Stram A, Sheng X, Pooler LC, Park K, Xia L, Tyrer J, Kolonel LN, Le Marchand L, Hoover RN, Machiela MJ, Yeager M, Burdette L, Chung CC, Hutchinson A, Yu K, Goh C, Ahmed M, Govindasami K, Guy M, Tammela TL, Auvinen A, Wahlfors T, Schleutker J, Visakorpi T, Leinonen KA, Xu J, Aly M, Donovan J, Travis RC, Key TJ, Siddiq A, Canzian F, Khaw KT, Takahashi A, Kubo M, Pharoah P, Pashayan N, Weischer M, Nordestgaard BG, Nielsen SF, Klarskov P, Røder MA, Iversen P, Thibodeau SN, McDonnell SK, Schaid DJ, Stanford JL, Kolb S, Holt S, Knudsen B, Coll AH, Gapstur SM, Diver WR, Stevens VL, Maier C, Luedeke M, Herkommer K, Rinckleb AE, Strom SS, Pettaway C, Yeboah ED, Tettey Y, Biritwum RB, Adjei AA, Tay E, Truelove A, Niwa S, Chokkalingam AP, Cannon-Albright L, Cybulski C, Wokołorczyk D, Kluźniak W, Park J, Sellers T, Lin HY, Isaacs WB, Partin AW, Brenner H, Dieffenbach AK, Stegmaier C, Chen C, Giovannucci EL, Ma J, Stampfer M, Penney KL, Mucci L, John EM, Ingles SA, Kittles RA, Murphy AB, Pandha H, Michael A, Kierzek AM, Blot W, Signorello LB, Zheng W, Albanes D, Virtamo J, Weinstein S, Nemesure B, Carpten J, Leske C, Wu SY, Hennis A, Kibel AS, Rybicki BA, Neslund-Dudas C, Hsing AW, Chu L, Goodman PJ, Klein EA, Zheng SL, Batra J, Clements J, Spurdle A, Teixeira MR, Paulo P, Maia S, Slavov C, Kaneva R, Mitev V, Witte JS, Casey G, Gillanders EM, Seminara D, Riboli E, Hamdy FC, Coetzee GA, Li Q, Freedman ML, Hunter DJ, Muir K, Gronberg H, Neal DE, Southey M, Giles GG, Severi G; Breast and Prostate Cancer Cohort Consortium (BPC3); **PRACTICAL** (Prostate Cancer Association Group to Investigate Cancer-Associated Alterations in the Genome) Consortium; COGS (Collaborative Oncological Gene-environment Study) Consortium; GAME-ON/ELLIPSE Consortium, Cook MB, Nakagawa H, Wiklund F, Kraft P, Chanock SJ, Henderson BE, Easton DF, Eeles RA, Haiman CA. A meta-analysis of 87,040 individuals identifies 23 new susceptibility loci for prostate cancer. Nat Genet. 2014 Oct;46(10):1103-9. doi: 10.1038/ng.3094. Epub 2014 Sep 14, IF 2014 (29.648)

13. Yu OH, Foulkes WD, Dastani Z, Martin RM, Eeles R; **PRACTICAL** Consortium; CRUK GWAS Investigators, Richards JB. An assessment of the shared allelic architecture between type II diabetes and prostate cancer. Cancer Epidemiol Biomarkers Prev.2013 Aug;22(8):1473-5. doi: 10.1158/1055-9965.EPI-13-0476. Epub 2013 May 23.PubMed PMID: 23704474 IF 2013 (4.324)

14. Shen H, Fridley BL, Song H, Lawrenson K, Cunningham JM, Ramus SJ, Cicek MS, Tyrer J, Stram D, Larson MC, Köbel M; **PRACTICAL** Consortium, Ziogas A, Zheng W, Yang HP, Wu AH, Wozniak EL, Woo YL, Winterhoff B, Wik E, Whittemore AS, Wentzensen N, Weber RP, Vitonis AF, Vincent D, Vierkant RA, Vergote I, Van Den Berg D, Van Altena AM, Tworoger SS, Thompson PJ, Tessier DC, Terry KL, Teo SH, Templeman C, Stram DO, Southey MC, Sieh W, Siddiqui N, Shvetsov YB, Shu XO, Shridhar V, Wang-Gohrke S, Severi G, Schwaab I, Salvesen HB, Rzepecka IK, Runnebaum IB, Rossing MA, Rodriguez-Rodriguez L, Risch HA, Renner SP, Poole EM, Pike MC, Phelan CM, Pelttari LM, Pejovic T, Paul J, Orlow I, Omar SZ, Olson SH, Odunsi K, Nickels S, Nevanlinna H, Ness RB, Narod SA, Nakanishi T, Moysich KB, Monteiro AN, Moes-Sosnowska J, Modugno F, Menon U, McLaughlin JR, McGuire V, Matsuo K, Adenan NA, Massuger LF, Lurie G, Lundvall L, Lubiński J, Lissowska J, Levine DA, Leminen A, Lee AW, Le ND, Lambrechts S, Lambrechts

D, Kupryjanczyk J, Krakstad C, Konecny GE, Kjaer SK, Kiemeney LA, Kelemen LE, Keeney GL, Karlan BY, Karevan R, Kalli KR, Kajiyama H, Ji BT, Jensen A, Jakubowska A, Iversen E, Hosono S, Høgdall CK, Høgdall E, Hoatlin M, Hillemanns P, Heitz F, Hein R, Harter P, Halle MK, Hall P, Gronwald J, Gore M, Goodman MT, Giles GG, Gentry-Maharaj A, Garcia-Closas M, Flanagan JM, Fasching PA, Ekici AB, Edwards R, Eccles D, Easton DF, Dürst M, du Bois A, Dörk T, Doherty JA, Despierre E, Dansonka-Mieszkowska A, Cybulski C, Cramer DW, Cook LS, Chen X, Charbonneau B, Chang-Claude J, Campbell I, Butzow R, Bunker CH, Brueggmann D, Brown R, Brooks-Wilson A, Brinton LA, Bogdanova N, Block MS, Benjamin E, Beesley J, Beckmann MW, Bandera EV, Baglietto L, Bacot F, Armasu SM, Antonenkova N, Anton-Culver H, Aben KK, Liang D, Wu X, Lu K, Hildebrandt MA; Australian Ovarian Cancer Study Group; Australian Cancer Study, Schildkraut JM, Sellers TA, Huntsman D, Berchuck A, Chenevix-Trench G, Gayther SA, Pharoah PD, Laird PW, Goode EL, Pearce CL. Epigenetic analysis leads to identification of HNF1B as a subtype-specific susceptibility gene for ovarian cancer. Nat Commun. 2013;4:1628. doi: 10.1038/ncomms2629. IF 2013 (10.742)

15. Laitinen VH, Rantapero T, Fischer D, Vuorinen EM, Tammela TL; **PRACTICAL Consortium**, Wahlfors T, Schleutker J. Fine-mapping the 2q37 and 17q11.2-q22 loci for novel genes and sequence variants associated with a genetic predisposition to prostate cancer. Int J Cancer. 2015 May 15;136(10):2316-27, IF 2015 (5.531)

16. Panagiotou OA, Travis RC, Campa D, Berndt SI, Lindstrom S, Kraft P, Schumacher FR, Siddiq A, Papatheodorou SI, Stanford JL, Albanes D, Virtamo J, Weinstein SJ, Diver WR, Gapstur SM, Stevens VL, Boeing H, Bueno-de-Mesquita HB, Gurrea AB, Kaaks R, Khaw KT, Krogh V, Overvad K, Riboli E, Trichopoulos D, Giovannucci E, Stampfer M, Haiman C, Henderson B, Le Marchand L, Gaziano JM, Hunter DJ, Koutros S, Yeager M, Hoover RN; The **PRACTICAL Consortium**, Chanock SJ, Wacholder S, Key TJ, Tsilidis KK. A Genome-wide Pleiotropy Scan for Prostate Cancer Risk. Eur Urol. 2015 Apr;67(4):649-57. doi: 10.1016/j.eururo.2014.09.020. [Epub ahead of print]; IF 2015 (14.976)

17. Han Y, Signorello LB, Strom SS, Kittles RA, Rybicki BA, Stanford JL, Goodman PJ, Berndt SI, Carpten J, Casey G, Chu L, Conti DV, Rand KA, Diver WR, Hennis AJ, John EM, Kibel AS, Klein EA, Kolb S, Le Marchand L, Leske MC, Murphy AB, Neslund-Dudas C, Park JY, Pettaway C, Rebbeck TR, Gapstur SM, Zheng SL, Wu SY, Witte JS, Xu J, Isaacs W, Ingles SA, Hsing A; **PRACTICAL** Consortium; ELLIPSE GAME-ON Consortium, Easton DF, Eeles RA, Schumacher FR, Chanock S, Nemesure B, Blot WJ, Stram DO, Henderson BE, Haiman CA. Generalizability of established prostate cancer risk variants in men of African ancestry. Int J Cancer. 2015 Mar 1;136(5):1210-7. doi: 10.1002/ijc.29066. Epub 2014 Jul 15. IF 2015 (5.531)

18. Andreassen OA, Zuber V, Thompson WK, Schork AJ, Bettella F; **PRACTICAL Consortium**; CRUK GWAS, Djurovic S, Desikan RS, Mills IG, Dale AM. Shared common variants in prostate cancer and blood lipids. Int J Epidemiol. 2014 Aug;43(4):1205-14. doi: 10.1093/ije/dyu090. Epub 2014 Apr 30. IF 2014 (9.197)

Marinova, D. M., Slavova, Y., Stancheva, G., **Kachakova, D**., Mitkova, A., & Kaneva, R. (2014, April). GENE EXPRESSION OF EPIDERMAL GROWTH FACTOR RECEPTOR, MYC-INDUCED NUCLEAR ANTIGEN, 53KDA AND MECHANISTIC TARGET OF RAPAMYCIN IN PULMONARY NEUROENDOCRINE TUMORS. In JOURNAL OF THORACIC ONCOLOGY (Vol. 9, No. 4, pp. S10-S10). 530 WALNUT ST, PHILADELPHIA, PA 19106-3621 USA: LIPPINCOTT WILLIAMS & WILKINS.

19. **Kachakova D**, Mitkova A, Popov E, Beltcheva O, Vlahova A, Dikov T, Christova S, Mitev V, Slavov C, Kaneva R. Polymorphisms in androgen metabolism genes AR, CYP1B1, CYP19,

and SRD5A2and prostate cancer risk and aggressiveness in Bulgarian patients. Turk J Med Sci. 2016 Apr 19;46(3):626-40. doi: 10.3906/sag-1501-124. IF 2016 (0.710)

20. Stegeman S, Amankwah E, Klein K, O'Mara TA, Kim D, Lin HY, Permuth-Wey J, Sellers TA, Srinivasan S, Eeles R, Easton D, Kote-Jarai Z, Amin Al Olama A, Benlloch S, Muir K, Giles GG, Wiklund F, Gronberg H, Haiman CA, Schleutker J, Nordestgaard BG, Travis RC, Neal D, Pharoah P, Khaw KT, Stanford JL, Blot WJ, Thibodeau S, Maier C, Kibel AS, Cybulski C, Cannon-Albright L, Brenner H, Kaneva R, Teixeira MR; **PRACTICAL** Consortium.; Australian Prostate Cancer BioResource., Spurdle AB, Clements JA, Park JY, Batra J. A Large-Scale Analysis of Genetic Variants within Putative miRNA Binding Sites in Prostate Cancer. Cancer Discov. 2015 Apr;5(4):368-79. doi: 10.1158/2159-8290.CD-14-1057. IF 2015 (19.783)

21. Amin Al Olama A, Benlloch S, Antoniou AC, Giles GG, Severi G, Neal DE, Hamdy FC, Donovan JL, Muir K, Schleutker J, Henderson BE, Haiman CA, Schumacher FR, Pashayan N, Pharoah PD, Ostrander EA, Stanford JL, Batra J, Clements JA, Chambers SK, Weischer M, Nordestgaard BG, Ingles SA, Sorensen KD, Orntoft TF, Park JY, Cybulski C, Maier C, Doerk T, Dickinson JL, Cannon-Albright L, Brenner H, Rebbeck TR, Zeigler-Johnson C, Habuchi T, Thibodeau SN, Cooney KA, Chappuis PO, Hutter P, Kaneva RP, Foulkes WD, Zeegers MP, Lu YJ, Zhang HW, Stephenson R, Cox A, Southey MC, Spurdle AB, FitzGerald L, Leongamornlert D, Saunders E, Tymrakiewicz M, Guy M, Dadaev T, Little SJ, Govindasami K, Sawyer E, Wilkinson R, Herkommer K, Hopper JL, Lophatonanon A, Rinckleb AE, Kote-Jarai Z, Eeles RA, Easton DF; UK Genetic Prostate Cancer Study Collaborators/British Association of Urological Surgeons' Section of Oncology; UK ProtecT Study Collaborators; **PRACTICAL** Consortium. Risk Analysis of Prostate Cancer in **PRACTICAL**, a Multinational Consortium, Using 25 Known Prostate Cancer Susceptibility Loci. Cancer Epidemiol Biomarkers Prev. 2015 Jul;24(7):1121-9. doi: 10.1158/1055-9965.EPI-14-0317. Epub 2015 Apr 2. IF 2015 (3.622)

21. Gusev A, Shi H, Kichaev G, Pomerantz M, Li F, Long HW, Ingles SA, Kittles RA, Strom SS, Rybicki BA, Nemesure B, Isaacs WB, Zheng W, Pettaway CA, Yeboah ED, Tettey Y, Biritwum RB, Adjei AA, Tay E, Truelove A, Niwa S, Chokkalingam AP, John EM, Murphy AB, Signorello LB, Carpten J, Leske MC, Wu SY, Hennis AJ, Neslund-Dudas C, Hsing AW, Chu L, Goodman PJ, Klein EA, Witte JS, Casey G, Kaggwa S, Cook MB, Stram DO, Blot WJ, Eeles RA, Easton D, Kote-Jarai Z, Al Olama AA, Benlloch S, Muir K, Giles GG, Southey MC, Fitzgerald LM, Gronberg H, Wiklund F, Aly M, Henderson BE, Schleutker J, Wahlfors T, Tammela TL, Nordestgaard BG, Key TJ, Travis RC, Neal DE, Donovan JL, Hamdy FC, Pharoah P, Pashayan N, Khaw KT, Stanford JL, Thibodeau SN, McDonnell SK, Schaid DJ, Maier C, Vogel W, Luedeke M, Herkommer K, Kibel AS, Cybulski C, Wokolorczyk D, Kluzniak W, Cannon-Albright L, Teerlink C, Brenner H, Dieffenbach AK, Arndt V, Park JY, Sellers TA, Lin HY, Slavov C, Kaneva R, Mitev V, Batra J, Spurdle A, Clements JA, Teixeira MR, Pandha H, Michael A, Paulo P, Maia S, Kierzek A; **PRACTICAL** consortium., Conti DV, Albanes D, Berg C, Berndt SI, Campa D, Crawford ED, Diver WR, Gapstur SM, Gaziano JM, Giovannucci E, Hoover R, Hunter DJ, Johansson M, Kraft P, Le Marchand L, Lindström S, Navarro C, Overvad K, Riboli E, Siddiq A, Stevens VL, Trichopoulos D, Vineis P, Yeager M, Trynka G, Raychaudhuri S, Schumacher FR, Price AL, Freedman ML, Haiman CA, Pasaniuc B. Atlas of prostate cancer heritability in European and African-American men pinpoints tissue-specific regulation. Nat Commun. 2016 Apr 7;7:10979. doi: 10.1038/ncomms10979. IF 2016 (12.124)

22. Davies NM, Gaunt TR, Lewis SJ, Holly J, Donovan JL, Hamdy FC, Kemp JP, Eeles R, Easton D, Kote-Jarai Z, Al Olama AA, Benlloch S, Muir K, Giles GG, Wiklund F, Gronberg H, Haiman CA, Schleutker J, Nordestgaard BG, Travis RC, Neal D, Pashayan N, Khaw KT, Stanford JL, Blot WJ, Thibodeau S, Maier C, Kibel AS, Cybulski C, Cannon-Albright L, Brenner H, Park J, Kaneva R, Batra J, Teixeira MR, Pandha H; **PRACTICAL** consortium.,

Lathrop M, Smith GD, Martin RM. The effects of height and BMI on prostate cancer incidence and mortality: a Mendelian randomization study in 20,848 cases and 20,214 controls from the PRACTICAL consortium. Cancer Causes Control. 2015 Nov;26(11):1603-16. doi: 10.1007/s10552-015-0654-9. IF 2015 (2.735)

23. Szulkin R, Whitington T, Eklund M, Aly M, Eeles RA, Easton D, Kote-Jarai ZS, Amin Al Olama A, Benlloch S, Muir K, Giles GG, Southey MC, Fitzgerald LM, Henderson BE, Schumacher F, Haiman CA, Schleutker J, Wahlfors T, Tammela TL, Nordestgaard BG, Key TJ, Travis RC, Neal DE, Donovan JL, Hamdy FC, Pharoah P, Pashayan N, Khaw KT, Stanford JL, Thibodeau SN, McDonnell SK, Schaid DJ, Maier C, Vogel W, Luedeke M, Herkommer K, Kibel AS, Cybulski C, Lubiński J, Kluźniak W, Cannon-Albright L, Brenner H, Butterbach K, Stegmaier C, Park JY, Sellers T, Lin HY, Slavov C, Kaneva R, Mitev V, Batra J, Clements JA; Australian Prostate Cancer BioResource., Spurdle A, Teixeira MR, Paulo P, Maia S, Pandha H, Michael A, Kierzek A; Practical Consortium., Gronberg H, Wiklund F. Prediction of individual genetic risk to prostate cancer using a polygenic score. Prostate. 2015 Sep;75(13):1467-74. doi: 10.1002/pros.23037. Erratum in: Prostate. 2015 Dec;75(16):1972. Lim, Hui-Yi [corrected to Lin, Hui-Yi]. IF 2015 (3.778)

24. Amin Al Olama A, Dadaev T, Hazelett DJ, Li Q, Leongamornlert D, Saunders EJ, Stephens S, Cieza-Borrella C, Whitmore I, Benlloch Garcia S, Giles GG, Southey MC, Fitzgerald L, Gronberg H, Wiklund F, Aly M, Henderson BE, Schumacher F, Haiman CA, Schleutker J, Wahlfors T, Tammela TL, Nordestgaard BG, Key TJ, Travis RC, Neal DE, Donovan JL, Hamdy FC, Pharoah P, Pashayan N, Khaw KT, Stanford JL, Thibodeau SN, Mcdonnell SK, Schaid DJ, Maier C, Vogel W, Luedeke M, Herkommer K, Kibel AS, Cybulski C, Wokołorczyk D, Kluzniak W, Cannon-Albright L, Brenner H, Butterbach K, Arndt V, Park JY, Sellers T, Lin HY, Slavov C, Kaneva R, Mitev V, Batra J, Clements JA, Spurdle A, Teixeira MR, Paulo P, Maia S, Pandha H, Michael A, Kierzek A, Govindasami K, Guy M, Lophatonanon A, Muir K, Viñuela A, Brown AA; **PRACTICAL** Consortium.; COGS-CRUK GWAS-ELLIPSE (Part of GAME-ON) Initiative.; Australian Prostate Cancer BioResource.; UK Genetic Prostate Cancer Study Collaborators.; UK ProtecT Study Collaborators., Freedman M, Conti DV, Easton D, Coetzee GA, Eeles RA, Kote-Jarai Z. Multiple novel prostate cancer susceptibility signals identified by fine-mapping of known risk loci among Europeans. Hum Mol Genet. 2015 Oct 1;24(19):5589-602. doi: 10.1093/hmg/ddv203. IF 2015 (5.985)

25. Bonilla C, Lewis SJ, Martin RM, Donovan JL, Hamdy FC, Neal DE, Eeles R, Easton D, Kote-Jarai Z, Al Olama AA, Benlloch S, Muir K, Giles GG, Wiklund F, Gronberg H, Haiman CA, Schleutker J, Nordestgaard BG, Travis RC, Pashayan N, Khaw KT, Stanford JL, Blot WJ, Thibodeau S, Maier C, Kibel AS, Cybulski C, Cannon-Albright L, Brenner H, Park J, Kaneva R, Batra J, Teixeira MR4, Pandha H, Lathrop M, Davey Smith G; **PRACTICAL** consortium. Pubertal development and prostate cancer risk: Mendelian randomization study in a population-based cohort. BMC Med. 2016 Apr 4;14:66. doi: 10.1186/s12916-016-0602-x. IF 2016 (8.097)

26. Lophatananon A, Stewart-Brown S, Kote-Jarai Z, Olama AAA, Garcia SB, Neal DE, Hamdy FC, Donovan JL, Giles GG, Fitzgerald LM, Southey MC, Pharoah P, Pashayan N, Gronberg H, Wiklund F, Aly M, Stanford JL, Brenner H, Dieffenbach AK, Arndt V, Park JY, Lin HY, Sellers T, Slavov C, Kaneva R, Mitev V, Batra J, Spurdle A, Clements JA; APCB BioResource; **PRACTICAL** consortium, Easton D, Eeles RA, Muir K. Height, selected genetic markers and prostate cancer risk: results from the PRACTICAL consortium. Br J Cancer. 2017 Aug 22;117(5):734-743. doi: 10.1038/bjc.2017.231. Epub 2017 Aug 1. Erratum in: Br J Cancer. 2018 Feb 13; IF 2016 (6.176)

27. Hadzhiev Y, Yordanov S, Popova D, Kachakova D. BPIFA1 Gene Expression in the Human Middle Ear Mucosa. J Int Adv Otol. 2017 Dec;13(3):340-344. doi: 10.5152/iao.2017.4305.

28. Dora Marinova, **Darina Kachakova**, Atanaska Mitkova, Gergana Stancheva, Yanina Slavova, Denitsa Dimitrova, Evgeni Mekov, Aleksandar Lilov, Miroslav Mihailov, Dimitar Kostadinov, Radka Kaneva, Vanio Mitev. Expression analysis of miR-21 in Bulgarian patients with non-small cell lung cancer. European Respiratory Journal 2016 48: PA2854; DOI: 10.1183/13993003.congress-2016.PA2854
29. Rangelov, I. I., Parvanov, D. A., Stamenov, G. S., Tzankova, G. I., Kaneva, R. P., Kachakova, D. L., & Chaushev, T. A. (2017). Micrornas in blastocyst culture medium as noninvasive biomarkers for assessing the implantation potential of human embryos. Fertility and Sterility, 108(3), e83.

30. Shumnalieva R, **Kachakova D**, Monov S, et al 02.46 Microrna-146a and disease activity in sle patients Annals of the Rheumatic Diseases 2017;76:A27-A28.

31. D Marinova, **D Kachakova**, Y Slavova, G Stancheva, Mitkova A. Kaneva R, Kostadinov D, Mitev V. RT-PCR expression of EML4-ALK oncogene in Bulgarian patients with non-small cell lung cancers. European Respiratory Journal 2015 46: PA4254; DOI: 10.1183/13993003.congress-2015.PA4254

32. Shumnalieva R, **Kachakova D**, Monov S, et al 317 Dysregulation of mirnas expression levels and disease activity in sle patients Lupus Science & Medicine 2017;4:doi: 10.1136/lupus-2017-000215.317

33. Shumnalieva R, **Kachakova D**, Monov S, et al THU0023 Synovial fluid mirnas multimarker analysis in patients with rheumatoid arthritis Annals of the Rheumatic Diseases 2017;76:208.

34. Shumnalieva R, Velikova T, **Kachakova D**, et al 03.07 Serum and synovial concentration of il-17a in rheumatoid arthritis patients Annals of the Rheumatic Diseases 2017;76:A32.

35. Dadaev T, Saunders EJ, Newcombe PJ, Anokian E, Leongamornlert DA, Brook MN, Cieza-Borrella C, Mijuskovic M, Wakerell S, Olama AAA, Schumacher FR, Berndt SI, Benlloch S, Ahmed M, Goh C, Sheng X, Zhang Z, Muir K, Govindasami K, Lophatananon A, Stevens VL, Gapstur SM, Carter BD, Tangen CM, Goodman P, Thompson IM Jr, Batra J, Chambers S, Moya L, Clements J, Horvath L, Tilley W, Risbridger G, Gronberg H, Aly M, Nordström T, Pharoah P, Pashayan N, Schleutker J, Tammela TLJ, Sipeky C, Auvinen A, Albanes D, Weinstein S, Wolk A, Hakansson N, West C, Dunning AM, Burnet N, Mucci L, Giovannucci E, Andriole G, Cussenot O, Cancel-Tassin G, Koutros S, Freeman LEB, Sorensen KD, Orntoft TF, Borre M, Maehle L, Grindedal EM, Neal DE, Donovan JL, Hamdy FC, Martin RM, Travis RC, Key TJ, Hamilton RJ, Fleshner NE, Finelli A, Ingles SA, Stern MC, Rosenstein B, Kerns S, Ostrer H, Lu YJ, Zhang HW, Feng N, Mao X, Guo X, Wang G, Sun Z, Giles GG, Southey MC, MacInnis RJ, FitzGerald LM, Kibel AS, Drake BF, Vega A, Gómez-Caamaño A, Fachal L, Szulkin R, Eklund M, Kogevinas M, Llorca J, Castaño-Vinyals G, Penney KL, Stampfer M, Park JY, Sellers TA, Lin HY, Stanford JL, Cybulski C, Wokolorczyk D, Lubinski J, Ostrander EA, Geybels MS, Nordestgaard BG, Nielsen SF, Weisher M, Bisbjerg R, Røder MA, Iversen P, Brenner H, Cuk K, Holleczek B, Maier C, Luedeke M, Schnoeller T, Kim J, Logothetis CJ, John EM, Teixeira MR, Paulo P, Cardoso M, Neuhausen SL, Steele L, Ding YC, De Ruyck K, De Meerleer G, Ost P, Razack A, Lim J, Teo SH, Lin DW, Newcomb LF, Lessel D, Gamulin M, Kulis T, Kaneva R, Usmani N, Slavov C, Mitev V, Parliament M, Singhal S, Claessens F, Joniau S, Van den Broeck T, Larkin S, Townsend PA, Aukim-Hastie C, Gago-Dominguez M, Castelao JE, Martinez ME, Roobol MJ, Jenster G, van Schaik RHN, Menegaux F, Truong T, Koudou YA, Xu J, Khaw KT, Cannon-Albright L, Pandha H, Michael A, Kierzek A, Thibodeau SN, McDonnell SK, Schaid DJ, Lindstrom S, Turman C, Ma J, Hunter DJ, Riboli E, Siddiq A, Canzian F, Kolonel LN, Le Marchand L, Hoover RN, Machiela MJ, Kraft P; **PRACTICAL**

(Prostate Cancer Association Group to Investigate Cancer-Associated Alterations in the Genome) Consortium, Freedman M, Wiklund F, Chanock S, Henderson BE, Easton DF, Haiman CA, Eeles RA, Conti DV, Kote-Jarai Z. Fine-mapping of prostate cancer susceptibility loci in a large meta-analysis identifies candidate causal variants. Nat Commun. 2018 Jun 11;9(1):2256. doi: 10.1038/s41467-018-04109-8. PMID: 29892050

36. Shumnalieva R, **Kachakova D**, Shoumnalieva-Ivanova V, Miteva P, Kaneva R, Monov S. Whole peripheral blood miR-146a and miR-155 expression levels in Systemic lupus erythematosus patients. Acta Reumatol Port. 2018 Jul-Sep;43(3):217-225. PMID: 30414370

37. Matejcic M, Saunders EJ, Dadaev T, Brook MN, Wang K, Sheng X, Olama AAA, Schumacher FR, Ingles SA, Govindasami K, Benlloch S, Berndt SI, Albanes D, Koutros S, Muir K, Stevens VL, Gapstur SM, Tangen CM, Batra J, Clements J, Gronberg H, Pashayan N, Schleutker J, Wolk A, West C, Mucci L, Kraft P, Cancel-Tassin G, Sorensen KD, Maehle L, Grindedal EM, Strom SS, Neal DE, Hamdy FC, Donovan JL, Travis RC, Hamilton RJ, Rosenstein B, Lu YJ, Giles GG, Kibel AS, Vega A, Bensen JT, Kogevinas M, Penney KL, Park JY, Stanford JL, Cybulski C, Nordestgaard BG, Brenner H, Maier C, Kim J, Teixeira MR, Neuhausen SL, De Ruyck K, Razack A, Newcomb LF, Lessel D, Kaneva R, Usmani N, Claessens F, Townsend PA, Gago-Dominguez M, Roobol MJ, Menegaux F, Khaw KT, Cannon-Albright LA, Pandha H, Thibodeau SN, Schaid DJ; **PRACTICAL** Consortium, Wiklund F, Chanock SJ, Easton DF, Eeles RA, Kote-Jarai Z, Conti DV, Haiman CA. Author Correction: Germline variation at 8q24 and prostate cancer risk in men of European ancestry. Nat Commun. 2019 Jan 17;10(1):382. doi: 10.1038/s41467-019-08293-z. PMID: 30655571

38. Kyurkchiyan Silva G., Popov Todor M., Kachakova Darina, Mihova Kalina, Petkova Veronika Y., Rangachev Julian, Mitev Vanyo I., Popova Diana P., Kaneva Radka P. Pathogenic somatic alterations in advanced HPV-negative cell squamous laryngeal carcinoma revealed via targeted next generation sequencing. Genetika 2020 Volume 52, Issue 2, Pages: 477-494 https://doi.org/10.2298/GENSR2002477K

39. Saraeva R, Kamenarska Z, Dourmishev L, Vinkov A, Dzhebir G, Kachakova D, Ivanova N, Pozharashka J, Kaneva R, Hristova M. CD3Z polymorphisms and promoter hypermethylation in dermatomyositis - the role of cytosine-phosphate-guanine-related single nucleotide polymorphisms. Immunol Invest. 2021 Apr 27:1-9. doi: 10.1080/08820139.2021.1876724. Epub ahead of print. PMID: 33902375.

40. Velikova T, Shumnalieva R, Tumangelova-Yuzeir K, Kachakova D, Ivanova-Todorova E, Kyurkchiev D, et al. 25-Oh Vitamin D3/D2 Levels in Osteoarthritis and Rheumatoid Arthritis Patients. Ann Chron Dise. 2018; 2(1): 1004

41. Shumnalieva R, Kachakova D, Kaneva R, et alFRI0020 CORRELATION BETWEEN EXPRESSION LEVELS OF MIR-146A AND MIR-223 IN SYNOVIAL FLUID AND ULTRASOUND SCORES FOR ACTIVE SYNOVITIS IN RHEUMATOID ARTHRITIS PATIENTSAnnals of the Rheumatic Diseases 2019;78:671.

42. Shumnalieva R, Kachakova D, Kaneva R, et alAB0017 COMPARISON BETWEEN THE ALTERED PERIPHERAL BLOOD MIRNA EXPRESSION IN PATIENTS WITH RHEUMATOID ARTHRITIS AND SYSTEMIC LUPUS ERYTEMATOSUSAnnals of the Rheumatic Diseases 2019;78:1475.

43. Tsvetelina Velikova, Russka Shumnalieva, Darina Kachakova, Kalina Tumangelova-Yuzeir, Ekaterina Ivanova-Todorova, Dobroslav Kyurkchiev, Simeon Monov. IL-17A – A Promising Biomarker for Disease Activity in Rheumatoid Arthritis Patients. Journal of

Biomedical Science & Technology [2018]; 1(1): 6-20. DOI: https://doi.org/10.1057/jbmst0000002

44. Shumnalieva R, Kachakova D, Kaneva R, et alPOS0578 CORRELATION BETWEEN EXPRESSION LEVELS OF MIR-155 AND MIR-223 IN SYNOVIAL FLUID AND ULTRASOUND SCORES FOR ACTIVE SYNOVITIS IN RHEUMATOID ARTHRITIS PATIENTSAnnals of the Rheumatic Diseases 2021;80:522-523.

Participation in congresses

Kaneva Radka, **Kachakova Darina**, Mitkova Atanaska, Popov Elenko, Vlahova Aleksandrina, Dikov Tihomir, Christova Svetlana, Kremensky Ivo, Mitev Vanio, and Slavov Chavdar, "*CYP1B1* polymorphic variants associated with prostate cancer risk in Bulgaria", Poster presentation. European Human Genetics Conference , 23 – 26 May 2009 Vienna, Austria. /vol. 17, supplement 2, P06.072, p. 182/

Kachakova Darina, Mitkova Atanaska, Popov Elenko, Vlahova Aleksandrina, Dikov Tihomir, Christova Svetlana, Kremensky Ivo, Mitev Vanio, Kaneva Radka, and Slavov Chavdar , "Association of *SRD5A2* polymorphic variants with prostate cancer risk in Bulgaria", Poster presentation. 8th Balkan Meeting on Human Genetics, 14 – 17 May 2009 Cavtat, Croatia

Slavov Ch, **Kachakova D**, Popov E, Mitkova A, Vlahova A, Dikov T, Christova S, Kremensky I, Mitev V, and Kaneva R. Role of genetic polymorphism in SRD5A2 gene in progression of prostate cancer. 30th Congress of the Societe Internacionale d'Urologie, November 1-5, 2009, Shanghai, China

Kachakova D, Popov E, Mitkova A, Dodova R, Vlahova A, Dikov T , Christova S, Slavov C, Mitev V and Kaneva R, "Association study of polymorphic variants in chromosome locus 8q24 linked with prostate cancer in Bulgarian patients", 21-st Meeting of the European Association of Cancer Research, 26-29 June 2010, Oslo, Norway, /volume 8, number 5, 873, p.220/

Kachakova D, Popov E, Mitkova A, Dodova R, Vlahova A, Dikov T , Christova S, Slavov C, Mitev V and Kaneva R, "Polymorphic variants in *CYP1B1* linked with increased risk for prostate cancer in Bulgarian patients", The European Human Genetics Conference, 12-15 June 2010, Gothenburg, Sweden, /vol. 18, supplement 1, P06.135, p. 189-190 /

Bichev S, Hristova S, Slavova Y, Vajarova R, **Kachakova D**, Kaneva R, Kremensky I, " Implementation of qPCR and sequencing for KRAS and EGFR mutation detection in Bulgarian patients with colorectal and lung cancer", 21-st Meeting of the European Association of Cancer Research, 26-29 June 2010, Oslo, Norway, / volume 8, number 5, 109, p. 28/

Popov E, **Kachakova D**, Boyadjieva M, Mitkova A, Dodova R, Vlahova A, Dikov T, Christova S, Kremensky I, Slavov Ch, Mitev V, Kaneva R, "Role of genetic polymorphism in SRD5A2 gene in progression of prostate cancer", IX International Congress of Medical Sciences, Sofia, Bulgaria, 13-16 may, 2010, /vol. LXII, supplement to issue 1/2010, ICMS 2010/PP 22 Preclinic, p. 65/

Popov E, **Kachakova D**, Mitkova A, Kaneva R, Vlahova A, Dikov T, Slavov C, Mitev V, Kremensky I, "Prostate cancer risk association with SNP polymorphic variants of CYP1B1 gene in the Bulgarian population", 25th Anniversary EAU (European Association of Urology) Congress, Barcelona, Spain, 16-20 April 2010, /vol. 9, issue 2, ISSN 1569-905, 748, p. 242/

Kachakova D, Popov E, Mitkova A, Dodova R, Vlahova A, Dikov T , Christova S, Slavov C, Mitev V and Kaneva R, "Association analysis in Bulgarian prostate cancer patients adds support to a newly identified susceptibility locus on chromosomo 8q24", The European Human Genetics Conference, 28-31 May 2011, Amsterdam, The Netherlands, /vol. 19, supplement 2, P06.181, p. 231/

Vlahova A, Dikov T , Christova S, **Kachakova D**, Mitkova A, Genadieva M, Popov E , Slavov C, Mitev V and Kaneva R, "AMACR polymorphic variant rs3195676 and prostate cancer aggressiveness in Bulgarian patients", 23rd European Congress of Pathology, 27 August- 1 September 2011, Helsinki, Finland, Virhows archive, The European Journal of Pathology, Vol 459,Supplement 1, p. S294

Kachakova D, Popov E, Mitkova A, Beltcheva O, Vlahova A, Dikov T, Christova S, Slavov C, Mitev V, Kaneva R, "Promoter hypermethylation of HIST1H4K and RASSF2 in urine from prostate cancer patients", European Association for Cancer Research conference, 7-10 July 2012, Barcelona, Spain, /vol.48, supplement 5, 520, p. S123-124

Slavov, C., Kachakova, D., Popov, E., Mitkova, A., Vlahova, A., Dikov, T., ... & Kaneva, R. (2012, September). Association Analysis of rs2567206 Polymorphism in Promoter Region of CYP1B1 with the Risk for Development of Prostate Cancer in Bulgarian Patients. In UROLOGY (Vol. 80, No. 3, pp. S296-S296). 360 PARK AVE SOUTH, NEW YORK, NY 10010-1710 USA: ELSEVIER SCIENCE INC

Качакова Д. Генетични и епигенетични промени при рака на простатата. Национален симпозиум „Акад. Чудомир Начев"; 06-07 юни 2012; София, България; устна презентация

Marinova D, Stancheva G, **Kachakova D**, Mitkova A, Slavova Y, Maksimov V, Kaneva R, Mitev V, "Gene expression of EGFR and Mina53 in different histological subtypes of lung cancer", European Association for Cancer Research conference, 7-10 July 2012, Barcelona, Spain, /vol.48, supplement 5, 627, p. S148-149

Marinova D, **Kachakova D**, Stancheva G, Slavova-Marinova Y, Maksimov V, Mitkova A, Kaneva R, Mitev V, "Gene expression analysis of MEN1 and EGFR in operated for primary lung cancer patients", 24th European Congress of Pathology, 8-12 September 2012, Prague, Czech Republic, Virhows archive, The European Journal of Pathology, Vol 461, Supplement 1, p. S169

Slavov C, **Kachakova D**, Popov E, Mitkova A, Vlahova A, Dikov T, Christova S, Slavov C, Mitev V, Kaneva R, "Association analysis of rs 2567206 polymorphism in promoter region of CYP1B1 with the risk for development prostate cancer in Bulgarian patients", 32nd Congress of the Societe Internationale d'Urologie, September 30- October 4, 2012, Fukuoka, Japan, Urology 80, supplement 3A, EP309, p.S296

Kachakova D, Popov E, Mitkova A,. Vlahova A, Dikov T, Christova S, Slavov C, Mitev V, Kaneva R,"Association analysis of polymorphisms in candidate genes on 11p15 locus with prostate cancer in Bulgarian patients**",** The European Human Genetics Conference, 8-11 June 2013, Paris, France, /vol. 21, supplement 2, P11.216, p. 316

Kachakova D, Popov E, Mitkova A,. Vlahova A, Dikov T, Christova S, Slavov C, Mitev V, Kaneva R, Genetic and epigenetic changes in prostate cancer. The search of diagnostic and prognostic biomarkers. XI-th Intrenational Medical Science Conference for students and young doctors, 16-19 october 2013, Medical University- Pleven, Bulgaria, p 15, lecture

Shumnalieva R, **Kachakova D**, Monov S, et al. Relationship between miRNA expression profile, laboratory data and clinical picture in Bulgarian patients with rheumatoid arthritis, MYRACE young rheumatologist forum, Bad Wiessee, Germany, 26-28 September, 2013

R. Shumnalieva, D. **Kachakova**, S. Monov, R. Kaneva, Zl. Kolarov, R. Rashkov, miRNA expression profile in Bulgarian patients with rheumatoid arthritis compared to patients with osteoarthritis and healthy controls in regard to their use as biomarkers in the clinical practice.

Annals of the Rheumatic Diseases, 34th European Workshop for Rheumatology Research, February 20-22, 2014, Lisbon, Portugal, The EULAR journal, March 2014, Vol 73. Supplement 1, p. A69

Kachakova D, Popov E, Mitkova A,. Vlahova A, Dikov T, Christova S, Slavov C, Mitev V, Kaneva R, "Analysis of GSTP1 promoter hypermethylation in urine samples of Bulgarian prostate cancer patients and controls", The European Human Genetics Conference, 31 May-3 June, 2014, Milan, Italy, Vol. 22, supplement 1, P16.67-S, p. 318

Shumnalieva, R., Kachakova, D., Monov, S., Kaneva, R., Kolarov, Z., & Rashkov, R. (2014). AB0142 Mir-223 Expression Profile as A Biomarker in Rheumatoid Arthritis. Annals of the Rheumatic Diseases, 73(Suppl 2), 850-850.

Kachakova D, Popov E, Mitkova A, Popov I, Vlahova A, Dikov T, Christova S, Slavov C, Mitev V, Kaneva R, "miR-141 and miR-375 expression in plasma samples from Bulgarian prostate cancer patients and controls", European Association for Cancer Research conference, 5-8 July 2014, Munich, Germany, Vol. 50, supplement 5, 397, p. S95

Д. Качакова, д-р А.Влахова; Молекулни биомаркери при рак на простатата; Първа Национална Конференция „Молекулярна патология в онкологията"; София, България; 06-07 юни 2014; устна презентация

Р. Шумналиева, **Д. Качакова**, С. Монов и др. Експресия на микроРНК-146а в периферна кръв и синовиална течност при болни от ревматоиден артрит, Българо-Руски симпозиум, Правец, България, 10-12 Април, 2014

D. Kachakova, A. Mitkova, I. Popov, E. Popov, A. Vlahova, T. Dikov, S. Christova, C. Slavov, V. Mitev, R. Kaneva, "A combination of expression biomarkers PSA, PCA3 and AMACR in urine outperforms the PSA test alone in diagnostics of prostate cancer" EACR, AACR, SIC special conference, 20-23 June 2015, Florence, Italy, poster №122, p. 57

R. Shumnalieva, D. **Kachakova**, S. Monov, R. Kaneva, Zl. Kolarov, R. Rashkov, "Does the altered expression of microRNA-155 and microRNA-146a in synovial fluid of rheumatoid arthritis patients correlate with the ultrasound scores for active synovitis?" 35th European Workshop for Rheumatology Research, 5-7 March 2015, Budapest, Hungary, Annals of The Rheumatic Diseases, The EULAR Journal, March 2015, Volume 74, Supplement 1, A6.24, p. A65

Shumnalieva R, Kachakova D, Monov S, et al AB0018 Altered Expression of Synovial Fluid Microrna-155 in Rheumatoid Arthritis Patients Annals of the Rheumatic Diseases 2015;74:897

D. Kachakova, A. Vlahova, K. Mihova, I. Popov, E. Popov, S. Christova, C. Slavov, V. Mitev, R. Kaneva, "Targeted next generation sequencing of Bulgarian prostate cancer patients finds new somatic mutations and reflects disease heterogenity", European Association for Cancer Research conference (EACR), 24th Biennial Congress, 9-12 July 2016, Manchester, UK, 154, p. S24

Shumnalieva R, Kachakova D, Monov S, et al A8.01 Systemic and local MIRNAS expressionin patients with osteoarthritis Annals of the Rheumatic Diseases 2016;75:A65.

Shumnalieva R, Kachakova D, Monov S, et al A8.05 Mirnas expression in systemic lupus erythematosus Annals of the Rheumatic Diseases 2016;75:A66-A67

R. Shumnalieva, D. **Kachakova**, S. Monov, R. Kaneva, Zl. Kolarov, R. Rashkov, "Correlation between expression levels of miR-223 in synovial fluid and ultrasound scores for active synovitis in rheumatoid arthritis patients", JCR: Journal of Clinical Rheumathology, Volume 22, Number 3, April 2016, 3287685, p. 110

R. Shumnalieva, D. **Kachakova**, S. Monov, R. Kaneva, Zl. Kolarov, R. Rashkov, "Synovial fluid miR-223 expression in rheumatoid arthritis and osteoarthritis patients", Annals of the Rheumatic Diseases, The EULAR Journal, London, June 2016, Volume 75, Supplement 2, UK, 8-11 June 2016, SAT0017, p. 669

R. Shumnalieva, D. **Kachakova**, S. Monov, R. Kaneva, Zl. Kolarov, R. Rashkov, "Systemic and local miRNAs expression in patients with osteoarthritis",36^{h} European Workshop for Rheumatology Research, 25-27 February 2016, York, UK, Annals of The Rheumatic Diseases, The EULAR Journal, February 2016, Volume 75, Supplement 1, A8.01, p. A65

R. Shumnalieva, D. **Kachakova**, S. Monov, R. Kaneva, Zl. Kolarov, R. Rashkov, "miRNAs expression in systemic lupus erythematosis",36^{h} European Workshop for Rheumatology Research, 25-27 February 2016, York, UK, Annals of The Rheumatic Diseases, The EULAR Journal, February 2016, Volume 75, Supplement 1, A8.05, p. A66

Shumnalieva, R., Kachakova, D., Monov, S., Kaneva, R., Kolarov, Z., & Rashkov, R. (2016, July). PERIPHERAL BLOOD MIR-146A EXPRESSION LEVELS IN SYSTEMIC LUPUS ERYTHEMATOSUS AND RHEUMATOID ARTHRITIS PATIENTS. In CLINICAL AND EXPERIMENTAL RHEUMATOLOGY (Vol. 34, No. 4, pp. S67-S67). VIA SANTA MARIA 31, 56126 PISA, ITALY: CLINICAL & EXPER RHEUMATOLOGY.

Качакова Д. МикроРНК-ите като потенциални биомаркери при онкологични заболявания. Национален симпозиум „Акад. Чудомир Начев"; 3-ти декември 2016, София, България, устна презентация

Дарина Качакова, Калина Михова, Кунка Каменарова, Олга Белчева, Иво Кременски, Ива Димова, Радка Кънева. Генетична диагностика на пациенти с чернодробни заболявания чрез новогенерационно секвениране. Постер №16XII Национална конференция за редки болести и лекарства сираци. 10-11 септември 2021

Dora Marinova, Darina Kachakova, Denitsa Dimitrova, Aleksandar Lilov, Evgeni Mekov, Miroslav Mihailov, Silva Giragosyan, Yanina Slavova, Dimitar Kostadinov, Vanya Youroukova, Rossen Petkov, Atanaska Mitkova, Radka Kaneva, Vanio Mitev. Expression analysis of miR-223 in plasma of patients with non-small cell lung cancer and other obstructive lung diseases. European Respiratory Journal 2018 52: PA2795; DOI: 10.1183/13993003.congress-2018.PA2795

Kachakova, DL (Kachakova, Darina L.) [1] ; Kamenarova, K (Kamenarova, Kunka) [1] ; Mihova, K (Mihova, Kalina) [1] ; Kremensky, I (Kremensky, Ivo) [1] ; Dimova, I (Dimova, Ivanka) [2] ; Mitev, V (Mitev, Vanyo) [1] ; Kaneva, R (Kaneva, Radka). Targeted next generation sequencing substantially advances molecular diagnosis of Marfan and Marfan related disorders. EUROPEAN JOURNAL OF HUMAN GENETICS Volume30 IssueSUPPL 1, Page169-169, Supplement1 Meeting AbstractP04.053.B