

CURRICULUM VITAE

RADKA PETROVA KANEVA

ADDRESS

Molecular Medicine Center
Department of Medical Chemistry and Biochemistry
Medical Faculty, Medical University – Sofia
2 Zdrave Str.,
1431 Sofia,
Bulgaria
Phone/Fax: +359 2 9172 214
Email: kaneva@mmcbg.org
Url : www.mmcbg.org



EDUCATION:

- 2000 PhD in Molecular Biology - Sofia Medical University, Bulgaria
- 1989 MSc in Molecular Biology, Genetic and Cell Engineering - Biology Faculty, Sofia University St. Kliment Ohridski, Bulgaria
- 1988 Bachelor in Biotechnology - Biology Faculty, Sofia University "St. Kliment Ohridski", Bulgaria

PREVIOUS AND CURRENT EMPLOYMENT

- 2018 - Professor, Department of Medical Chemistry and Biochemistry, Medical University -Sofia
- 2012 - Associated Professor, Department of Medical Chemistry and Biochemistry, Medical University -Sofia
- 2010 Chief Assistant Professor, Department of Medical Chemistry and Biochemistry, Medical University -Sofia
- 2009 Senior Assistant Professor, Department of Medical Chemistry and Biochemistry, Medical University -Sofia
- 2008 Assistant Professor, Department of Chemistry and Biochemistry, Medical University -Sofia
- 2005 - Executive manager - Molecular Medicine Center, Medical University – Sofia
- 1998 - 2008 Molecular Biologist, Laboratory of Molecular Pathology, University Hospital of Obstetrics and Gynaecology, Sofia
- 1994 - 1997 Research Associate, Neuroscience and Behaviour Research foundation, Sofia
- 1992 - 1993 Research Assistant, Laboratory of Molecular Pathology, University Hospital of Obstetrics and Gynaecology, Sofia
- 1989 - 1991 Graduate Research Assistant, National Centre of Oncology, Medical Academy, Sofia

TRAININGS AND RESEARCH FELLOWSHIPS

- 2012 Grant for equipment, together with Dr, V.Gergelcheva, Alexander von Humboldt Foundation
- 2003 - 2004 Humboldt Return Fellowship, Alexander von Humboldt Foundation
- 2001 - 2003 Humboldt PostDoctoral Research Fellow, Institute of Human Genetics, University of Bonn, Germany, Alexander von Humboldt Foundation
- 2009 Course for Agilent microarray system and analysis, Agilent European reference Center, Hospital Gustav Roussi, Paris, France
- 1998 French-American School of Neurobehavioural Genetics, University of Northern Colorado, USA
- 1993 -1994 Visiting Research Fellow, Department of Biochemistry, University of Oxford, UK, Open Society Foundation
- 1992 Human Genetics Summer Course, Leuven, Belgium

GRANTS AND TRAVEL FELLOWSHIPS

- 2012 20th WCPG, Hamburg Germany, Alexander von Humboldt Travel Fellowship,
- 2002 10th WCPG, Brussels, Belgium, Alexander von Humboldt Travel Fellowship,
- 1997 29th annual meeting of the European society of human genetics, Genoa, Italy
- 1997 European Research Conference “Inherited Disorders and their genes in different European Populations”, Acquafredda di Maratea, Italy
- 1995 European Research Conference “Inherited Disorders and their genes in different European Populations”, Sant Feliu de Guixols, Spain

SCIENTIFIC AWARDS

- 2008 Award Panacea of Medical University - Sofia for special contribution to teaching, research and expert activity in the professional biomedical field
- 2015 Best Scientist Award “Pythagoras” 2015 of the Ministry of Education and Science for Established Scientist in the Biomedical Field.
- 2015 Award “Acad D.Orahovatz” 2015 of the Medical Faculty, Medical University of Sofia,

MEMBERSHIP IN PROFESSIONAL SOCIETIES

International Society of Psychiatric Genetics (ISPG)
 European Society of Human Genetics (ESHG)
 European Association for Cancer Research (EACR)
 Bulgarian Association for Medical Oncology (BAMO), associated member
 Youth Union Molecular Genetics in Medicine (YUMGM), Head of MC.
 Bulgarian Association for Personalised Medicine (BAPEMED), cofounder and member of AB.

TEACHING EXPERIENCE

1. Lecturer in “Biochemistry” course for Medicine, Dental Medicine and Pharmacy students. 2008 – present

2. Lecturer in “Biochemistry” course for Medicine and Dental Medicine foreign students in English, MU-Sofia in Nikosia, Cyprus, and Chiasso, Switzerland.
3. Lecturer in Molecular Biology and Genetics course for MSc programme in Bio and Medical informatics”, Faculty of Mathematics and Informatics, Sofia University “St. Kl. Ohridski” since 2013
4. Lecturer in “Diagnostics and prevention of inherited disorders” for medicine students, MU-Sofia
5. Lecturer in “Molecular medicine” course for undergraduate medical students, MU-Sofia
6. Lecturer in “Pathobiochemistry” course for undergraduate medical students, MU-Sofia
7. Lecturer in “Molecular diagnostics of inherited disorders” course in the master program for molecular biology students, Sofia University “St.Kl.Ohridski”
8. Lecturer in course of “Molecular Pathology” for students biologist in master programme “Clinical chemistry and molecular diagnostics”, Biology Faculty, Sofia University “St.Kl.Ohridski”
9. Lecturer in postgraduate course “Psychiatric genetics”, Department of Psychiatry, Medical University - Sofia
10. Lecturer in course Introduction of Quality Assurance System In Preclinical Disciplines Teaching On Under- And Postgraduate Level Of Bulgarian Medical Universities (#03124-97) Funded by the PHARE, TEMPUS
11. Promoter of 15 master students of which 12 in Molecular Biology and Genetics, Sofia University, 1 in Biochemistry, National Sport Academy, 2 in Pharmacy and Chemistry Faculty, Sofia University “St. Kl. Ohridski”,
12. Promotor of 5 master students in Medical Informatics and Statistics, FMI, Sofia University “St. Kl. Ohridski”
13. Scientific supervisor of 9 PhD students in Molecular Biology, Molecular Genetics, MU-Sofia and Pharmacology, MU-Pleven, 6 defended thesis and 3 current.
14. Scientific advisor of 9 PhD Students in Molecular Biology, Genetics, and Medicine, MU-Sofia

EXPERT ACTIVITIES

- Coordinator of Bulgarian National Node, BBMRI.bg of BBMRI-ERIC, since 2018
- Member of AoM and MC of BBMRI-ERIC, representative of Bulgaria, since 2018
- Deputy head and member of the Commission for monitoring and evaluation of the Activities of the National Science Fund of the Ministry of Education and Science, appointed by the Minister of Education and Science, since 2016.
- Member of the Jury for the Pythagoras Awards of Ministry of Education and Science for significant achievements in Bulgarian science from 2013-2015, appointed by Minister of Education and Science, 2016
- Member of the working group for preparing of new standards in medical speciality Biochemistry, appointed by the minister of health, 2014
- Member of the work group for creating new Rules of Procedure of the National Science Fund, appointed by the Minister of Education and Science, 2012.
- Member of the Ethics Committee, Medical University – Sofia, since 2009.
- National Contact Person, Programme IDEAS, 7FP of European Commission, 2006
- Member of the the Expert Board, Predictive biomarkers in Oncology, of MOPE (Multidisciplinary Oncological Talks and Extracts) 2017
- Member of the the Expert Board, Guidelines in Malignant Epithelial Head and Neck tumours, of MOPE (Multidisciplinary Oncological Talks and Extracts), 2016

- Member of the the Expert Board, Guidelines for neuroblastoma in children, of MOPE (Multidisciplinary Oncological Talks and Extracts),2015

Член на научно жури за докторантури

Изготвени 3 становища и 1 рецензия за присъждане на образователна и научна степен „доктор”,

2013 Стефан Симеонов Божанов, БАН, Институт по физиология на растенията и генетика, Секция по молекулярна генетика, докторска програма “Генетика”

2014 Десислава Пламенова Иванова, Пловдивски Университет „Паисий Хилендарски”, Биологически факултет, Катедра „Физиология на растенията и молекулярна биология“, докторска програма “Молекулярна биология”

2016 Веселин Павлов Александров, Медицински Университет – Пловдив, Катедра ”Биология, докторска програма „Клетъчна биология”,

2017 Диана Илиева Пендичева-Духленска, Медицински Университет-Плевен, Сектор Експериментална и Клинична Фармакология, докторска програма ”Фармакология”.

Член на научно жури за хабилитация

2016 – становище в конкурс за доцент на д-р Петър Димитров Иванов, МУ-Плевен, Заповед 2135/ 25.10.2016 на Ректора на МУ-Плевен

2017 - становище за дисертация на доц. Регина Комса-Пенкова, дб, Ръководител Сектор „Биохимия”, Катедра Химия и Биохимия, Физика и Биофизика”, Факултет Фармация, Медицински Университет – Плевен за придобиване на научна степен „ДОКТОР НА НАУКИТЕ” по научна специалност “БИОХИМИЯ”,

MEMBER OF JOURNAL BOARDS

- Member of the Advisory Board of Open Access Macedonian Journal of Medical Sciences, ISSN 1857-5773, DE Gruyter Open
- Review Editor, Frontiers in Behavioral and Psychiatric Genetics, ISSN 1664-8021, Frontiers Research Foundation
- Member of Editorial Board, Studia Oncologica, ISSN 1313-7115; Paradigma publishing, 2013
- Member of Editorial Board, Biochemical Genetics, ISSN 0006-2928, Springer

INVITED REVIEWER OF JOURNALS AND FUNDING ORGANISATIONS:

Molecular Psychiatry, Nature Publishing Group
 American Journal of Medical Genetics,
 BMC Medical Genetics,
 Frontiers in Psychiatric and Behavioural Genetics; Frontiers Research Foundation,
 Frontiers in Genetics,
 Biochemical Genetics,
 Neuropsychiatric Genetics,
 Psychiatry Research,
 Biomedical Research International,
 MJMS,
 Biotechnology and Biotechnological Equipment,

Balkan Journal of Human Genetics,
Педиатрия

Expert Reviewer

Chief Scientist Office Biomedical and Therapeutic Research Committee, Edinburgh, Scotland
Bulgarian-Switzerland Research Program, National Science Fund, Ministry of Education and
Science, Bulgaria

Medical science council, Medical University of Sofia, Bulgaria

Trakia University, St. Zagora, Bulgaria

Horison 2020, EC

ORGANISER OF SCIENTIFIC EVENTS

1. Chair and organizer of School organized by BAPEMED “The place and role of personalised medicine in Psychiatry, Neurology and Ophthalmology”, 6th of June, 2019, Sofia, Bulgaria
2. Chair and Organiser of Symposium “Genomics and epigenomics of inherited disorders”, Bulgarian Academy of Sciences” Chudomir Nachev”, 24 November, 2018, Sofia, Bulgaria
3. Chair and Organiser of Symposium “Applications of new technologies in diagnostics of Genetic and Genomic disorders”, Bulgarian Academy of Sciences” Chudomir Nachev”, 3 December, 2016, Sofia, Bulgaria
4. Co-Organiser of First National Conference in Molecular Pathology, 6-7 June, Sofia, 2014
5. Mini Symposium “Brain Development Research and Psychiatric Diseases”, Molecular Medicine Center, Medical University of Sofi and Lieber Institute of Brain Development, 16th of June, 2014, Sofia, Bulgaria
6. Chair and Organiser of Symposium “Molecular Profiling in the common oncological disorders. A Step forward the Personalised Medicine”, Bulgarian Academy of Sciences” Chudomir Nachev”, 17 November, 2013, Sofia, Bulgaria
7. Organiser and host of the International Bioinformatics Course, together with the European Bioinformatics Institute, EBI SLING Roadshow, София, 25-27 October, 2011
8. Organiser and host of the National Conference „Molecular Medicine in Bulgaria, perspectives and challenges, 9 September, 2008, Sofia

LANGUAGE PROFICIENCY

English, German, Russian

RESEARCH INTERESTS

Genetics and genomics of complex diseases, Epigenetics, Neuropsychiatric and behavioral genetics, Oncogenetics, Ophthalmogenetics, Pharmacogenetics and genomics, Precision medicine, Molecular pathology,

SCIENTIFIC AND RESEARCH ACTIVITIES

PhD thesis: „Candidate genes and chromosome regions associated with affective disorders”
PhD in Molecular Biology, Supervisor: Prof. A. Jablensky, Prof. I. Kremensky, Scientific advisor: Prof. L. Kalaydjieva, Medical University – Sofia, Bulgaria. Supreme Attestation Committee, 2000

Publications

Books and Chapters:

Total number of scientific publications 255

214 Papers in peer reviewed journals with IF

9 in peer reviewed journals without IF

32 Bulgarian journals without IF

2505 citations without self citations **ISI Web of Knowledge**
h индекс = 26

ORCID 0000-0002-1437-1393

PARTICIPATION IN NATIONAL AND INTERNATIONAL CONGRESSES AND SYMPOSIA:

234 international and national research congresses

INVITED LECTURER

12 international, **27** Bulgarian congresses and conferences

1. **Kaneva R**, “Access to BRCA molecular genetic testing in Bulgaria”, AZ, CEE AdBoard: Maintenance Treatment of Newly Diagnosed Ovarian Cancers, 29 November, 2019, Prague, Czech Republic
2. **Kaneva R**, “Genetic aspects of prostate cancer”, Conference „Prevention and current treatment of prostate cancer”, Bulgarian Academy of Sciences, Sofia, 26 November, 2019, Sofia, Bulgaria
3. **Kaneva R**, Biomarkers and Biobanks; The Bulgarian experience, Biotech Attelier 2.0, 25 September, 2019, Sofia, Bulgaria
4. **Kaneva R**, Personalised medicine in nononcological disorder; The Bulgarian experience, Biotech Attelier 2.0, 25 September, 2019, Sofia, Bulgaria
5. **Kaneva R**, BAPEMED: School in personalised medicine “Place and role of personalised medicine in psychiatry, neurology and ophtalmology”, 6 June, 2019, Sofia, Bulgaria
6. **Kaneva R**, “Molecular biological analyses in gastrointestinal tumours”, 13 April, National Congress of Pathology, 11-13 April, 2019, Velingrad, Bulgaria
7. **Kaneva R**, “Molecular Genetic Analysis of Breast and Ovarian Cancer in Bulgaria” CEE Breast & Ovarian Cancer Forum, AZ, Connecting Experts, Cluj-Napoca, Romania, 9-10 November, 2018,
8. **Kaneva R**, Genome diagnostics in Bulgaria, Opportunities and chalanges, XVII National Meeting, Foundation MOST, 25-27 May, 2018, Albena, Bulgaria.

9. **Kaneva R**, “NGS in the era of genomic medicine. Bulgarian experience” BAPEMED: School in personalised medicine, 3-4 November, 2017, Plovdiv, Bulgaria
10. **Kaneva R**, “BRCA-modeling of risk and treatment in breast/ovarian cancer”, 8th National Conference MORE. Predictive biomarkers in oncology. 19–21 October, 2017, Varna, Golden Sands, Bulgaria
11. **Kaneva R** “Molecular profiling of Hereditary Breast and Ovarian Cancer in Bulgaria”, Balkan Congress of Human Genetics, 8-10 September, 2017, Plovdiv, Bulgaria
12. **Kaneva R**, “BRCA investigation in ovarian carcinoma: Why? Which patients? How?”, Scientific meeting “Challenges and opportunities in diagnostics of ovarian carcinoma”, organised by AstraZeneca and the National Association of Pathology, 28 October, 2017, София,
13. **Kaneva R**, Scientific symposium AstraZeneca: We can transform now the treatment of patients with ovarian cancer, 5th National Conference with international participation, BAMO, 16-18 June, 2017, Sofia, Bulgaria
14. **Kaneva R**, 12 National Congress of Pathology, 11-13 May, 2017, Lecture at symposium on ovarian cancer organised by Astra Zeneca, Veliko Turnovo, 2017
15. **Kaneva R**, Molecular markers in glial tumours, Symposium “Acad. Chudomir Nachev”, 3 December, 2016, Sofia, Bulgaria.
16. **Kaneva R**, “HPV-testing standard of choice in oropharyngeal carcinoma”, MORE 2016, October, 2016, Varna, Bulgaria
17. **Kaneva R** “Risk management of hereditary breast and ovarian cancer”, International School of Oncology, 30 Oct - 1 Nov 2015, Sofia, Bulgaria.
18. **Kaneva R**, Genetic profiles in neuroblastoma – attempt for biological subtyping”, MORE 2015, October, 2015, Варна,
19. **Kaneva R** “Next-generation Sequencing in Breast Cancer Tumours Reveals Recurrent Somatic Mutations in Bulgarian Patients”. The anniversary conference of Institute of Molecular Biology “Roumen Tsanev”, 55th Anniversary of the IMB, BAS, 5-6 October, 2015, Sofia,
20. **Kaneva R**, “Exploring the somatic mutation spectrum through next-generation sequencing in Bulgarian breast cancer patients”, 11th Balkan Congress of Human Genetics, September 17th- 20th, Sava Center, Belgrade, Serbia, 2015
21. **Kaneva R**, Spectrum of genetic and epigenetic changes in Bulgarian patients with prostate cancer”, 6th national conference with international participation, BAMO, 17-19 June, 2016, Sofia, Bulgaria.
22. **Kaneva R**, “Spectrum of genetic changes in Bulgarian patients with familial breast and ovarian carcinoma”, 3rd National Conference with international participation, BAMO, 19-20 JUNE, 2015, Sofia
23. **Kaneva R**, “Molecular pathology role for the development of personalised medicine”, National Conference in molecular pathology, 6-7 June, 2014, Sofia, Bulgaria
24. **Kaneva R**, “Genetic investigations in familial oncological diseases in Bulgaria”, 2nd National Conference with international participation, BAMO, 13-14 June, 2014, Sofia, Bulgaria
25. **Kaneva R**, “Personalised Medicine in Bulgaria and the role of molecular diagnostics”, Conference on Personalised medicine, BAPEMED, 7 April, 2014, Sofia, Bulgaria
26. **Kaneva R**, “Genome studies in heroin dependence”, Symposium “Acad. Chudomir Nachev”; Genetics and genomics of complex disorders, 25 October, 2014, Sofia, Bulgaria.
27. **Kaneva R**, “Modern molecular diagnostic approaches in the diagnostics of solid tumours.”, 1st National Scientific Conference of BAMO, 2013, Sofia, Bulgaria

28. **Kaneva R**, “Molecular profiling in glial tumours”, Symposium “Acad. Chudomir Nachev”: “Molecular profiling in common oncological disorders. Step towards personalised medicine.” , 17 November, 2013, BAS, Sofia, Bulgaria.
29. **Kaneva R**. “Molecular profiling in glial tumours. New diagnostic and prognostic molecular markers”, International School of Oncology, 25-27 October, 2013, Pravetz Resort, Bulgaria
30. **Kaneva R**. Association Analysis Of Polymorphic Variants In The Clock Gene With Heroin Dependence In Bulgarian And Roma Population, XXIth World Congress Of Psychiatric Genetics, October 17-21, 2013, Boston.
31. **Kaneva R**. Increasing the capacity for biomedical research in Bulgaria; National University Complex for Biomedical and Translational Research.” Confrencece Alma Mater, Bologna porcess and challanges in accademic teaching and scientific research, 2 November, 2011, Sofia
32. **Kaneva R**. Genome association studies – key to complex disorders. асоциативни изследвания- ключът към комплексните болести. Symposium “Acad. Chudomir Nachev”: After the end of the Hlman Genome Projects. Where to go?” , 17 October, 2009, BAS, Sofia, Bulgaria
33. **Kaneva R**. Presentation of the Molecular Medicine Center, infrastructure project funded by FP6 of EC, Meeting discussion of Comisioner Potochnik with the scientific community, “ The role of science and research to build a sociacty based on science”, 11 April, 2006, Grand Hotel Sofia, Sofia, Bulgaria
34. **Kaneva R, et al** (2006) Fine mapping analysis of bipolar affective disorder in Roma Families 7th Balkan Meeting of Human Genetics, Skopje, R Macedonia, 31 August -2 September, 2006, OP08,
35. **Kaneva R** Enhancing the capacity of biomedical research in Bulgaria IMPACT AND AIDIT MEETING, SZCZECIN, Poland 28th-30th November, 2006
36. **Kaneva et al**. Supportive evidence for bipolar disorder locus on chr 4p in Bulgarian families. Center of Molecular Medicine, Department of Human Genetics, University of Edinburg, UK, 03.07.2005, seminar
37. **Kaneva R**. A genome-wide linkage scan of bipolar disorder in Bulgarian and Roma families International symposium “Genetics in psychiatry”, Dubrovnik, Croatia, 28th-30th August, 2004
38. **Kaneva R**, Oncogenetics. Molecular genetic aproaches. Annual meetiong of young oncologists”, Hofman la Rosch Diagnostics, Bulgaria, Hisar, 13-15 May, 2006
39. **Kaneva R**, National Program Genpmics: Genomics of affective disorders”, 1st coordination meeting of national scientific programs, Ministry of Education and Science, 13-14 December, 2004, Sofia, Bulgaria

PARTICIPATION IN RESEARCH PROJECTS

Principal Investigator in 14 projects

Participant in 87 national research projects, 5 infrastructure research projects

Consultant in 4 research projects

Participant and co-PI in 16 international collaborative research projects

International projects and consortia:

1. 2014-2021 „Genetic and epigenetic investigations of the fetal brain development”, Research Collaboration agreements between Lieber Institute for Brain Development, USA and MU-Sofia, PI, R.Kaneva, V.Dimitrova
2. 2015-2017 „Nonsyndromic Craniosinostosis: phenotype-genotype correlations“ PI Prof. Simeon Boyadjiev –Boyd, 2R01DE016886-06A1/ subaward 01302757-06 NIDA, California University, Davis, USA/ MU-Sofia, PI, R.Kaneva, E.Simeonov
3. 2014-2019 Types of Impulsivity in addicted to drugs and stimulants NIDA R01 DA021421 Dr. Vasileva J (PI), Virginia Commonwealth University, USA/ BAI/MU-Sofia
4. 2012-2015 Collaborative study on genetics of psychiatric disorders, Cardiff University, UK, MU-Sofia
5. 2008-2013 Types of Impulsivity in addicted to drugs and stimulants NIDA R01 DA021421 Dr. Vasileva J (PI), University of Chicago, USA/ BAI/MU-Sofia
6. 2011- 2014 Collaborative Project on Rare Epileptic Syndromes, EuroEpinomics, Program EUROCORES of European Science Foundation
7. 2009-2014 Collaborative Oncological Gene-Environmental Study (COGS), FP7, as part of PRACTICAL consortium, PI Prof. P Hall
8. 2009- Consortium “ PRostate cancer AssoCiation group To Investigate Cancer Associated aLterations in the genome” PRACTICAL, PI of the PCMUS team
9. 2006-2011 Genetic Epidemiology of opiate dependence in Bulgaria, NIDA, NIH, USA, PI A/Prof. Alexander Todorov
10. 2007-2010 Genetic and phenotype study of partial epilepsies in Gypsies, NHMRC, Australia, ID 458736, PI Prof. L. Kalaydjieva
11. 2005-2008 Enhancing the capacity of biomedical research in Bulgaria: Molecular Medicine Centre, FP6-LIFESCIHEALTH LSH-2004-3-3, SSA-Promotion of cooperation with Associated Candidate Countries (ACC)
12. 2005-2008 Bipolar Disorder in a genetic isolate, NHMRC, Australia, PI Prof. L. Kalaydjieva
13. 1997-2000 European Collaborative Study on Molecular Genetics in Affective Disorders (Genes in Affective Disorders), BIOMED2 program IC20-CT97-0018 European, Coordinator Prof. J.Mendlewicz
14. 1995-1996 Morphometric and neural connectivity characteristics of fetal brains at genetic risk for bipolar disorder Stanley Research Foundation Award PI Prof. A. Jablensky
15. 1991-1995 EC Concerted Action on Affective Disorders: interactions between genetic and psychosocial vulnerability factors BIOMED1 program of EC, INCO Copernicus, Coordinator Prof. J.Mendlewicz
16. 1991-1994 Fetal Brain Development and Shizophrenia NIH Fogarty grant, University of Southern California, PI Prof. V. Mednick

20.11.2019

Radka Kaneva