

PERSONAL INFORMATION

Rumyana Dodova



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Sex Female | Date of birth 29/07/1972 | Nationality Bulgarian

WORK EXPERIENCE

January 2014 ~

Laboratory for Genomic Diagnostic, Molecular Medicine Centre, Department of Medical chemistry and Biochemistry, MU - Sofia
address: 2 "Zdrave" Str., 1431 Sofia, Bulgaria
Molecular biologist – performing molecular genetic analysis of patients with cancer

September 2007– December 2009

Molecular Medicine Centre, Department of Medical chemistry and Biochemistry, MU - Sofia
address: 2 "Zdrave" St., 1431 Sofia, Bulgaria
Technician in sector DNA isolation and bio banking – performance activities in the sector DNA isolation and bio banking, molecular genetic analysis of patients with breast cancer

March 1997 – August 2007

Clinic of nervous diseases – intensive care and resuscitation, MHAT National Heart Hospital, Sofia
address: 65 Koyovitsa St., 1309 Sofia, Bulgaria
Nurse – intensive care and resuscitation of patients with neurological diseases

EDUCATION AND TRAINING

December 2009 –
December 2013

PhD student, Molecular Medicine Centre, Department of Medical chemistry and Biochemistry

Faculty of Medicine, Medical University – Sofia, Bulgaria

Professional skills - DNA isolation and bio banking, directly sequencing, Next Generation Sequencing (NGS), Multiplex Ligation-dependent Probe Amplification (MLPA), TaqMan QPCR and analysis of result

November 2006 - July 2008

Degree MSc in Cell Biology and Pathology

Faculty of Biology, Sofia University "St. Kliment Ohridski", Bulgaria

"MSc thesis "Influence of mutation and polymorphism in exon 11 of the BRCA1 gene in development of the Brest cancer in the Bulgarian population" made in Molecular Medicine Centre

September 2000 – July 2006

Degree Bachelor in Biology

Faculty of Biology, Sofia University "St. Kliment Ohridski", Bulgaria

October 1994 – March 1997

Degree Professional Bachelor in Nurse – general profile

Medical College "Jordanka Filaretova", Medical University – Sofia, Bulgaria

PERSONAL SKILLS

Mother tongue(s) Bulgarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	A2	A2	A2	A2	A2

Communication skills

- Good communication skills – gained while working in a team and working with patients

Organisational / managerial skills

- Good organisation skills related to:
 - Analysis of large volume of results in patients with cancer
 - Biobanking and storage of biological materials and clinical data of patients with breast and ovarian cancer
 - Coordinator contacts with medical oncologists to project for diagnosis of BRCA mutation status in patients with ovarian cancer
 - Team leader in the intensive care and resuscitation at the Clinic of nervous diseases from 2004 - 2006

Teaching Experience

- 2 semesters as part of PhD training – assistant in Department of Medical Chemistry and Biochemistry

ADDITIONAL INFORMATION

PhD thesis Influence of genetic and genomic alterations on development of the Breast cancer in Bulgarian population

Publications 3 Papers in peer reviewed journals
 2 Papers in peer reviewed journals of the PRACTICAL Consortium
 3 Papers in Bulgarian journals

Projects Somatic genomic changes in the most common benign and malignant thyroid tumours, 2018 – 2021
 Study the role of germline and somatic genomic changes in the development of multiple primary tumors, 2018 – 2021
 Analysis of Promotor Hypermethylation of Tumour Suppressor Genes in Ovarian Cancer, 2018 – 2019
 Promotor hypermethylation of tumor suppressor genes in patients with breast cancer, 2018 – 2019
 Analysis of somatic mutations in Bulgarian colorectal cancer patients by sequencing a new generation of panel of tumor-associated genes, 2015 – 2016
 Analysis of a panel of genes associated with a predisposition for the development of familial breast cancer and ovarian cancer, by next generation sequencing, 2015-2016
 Methodology of the preparation and storage of tumor tissues for the creation of a tissue bank from patients with colon, stomach and thyroid carcinoma, 2014 – 2015
 Molecular genetic analysis for carrier mutation in BRCA1 and BRCA2 genes in patients with ovarian carcinoma, 2014 – 2015

Validation protocol for sequencing with next-generation sequencer IonTorrent PGM to detect mutations in the BRCA1 and BRCA2 genes, 2014-2015

Molecular genetic analysis of genes with medium penetrance in BRCA negative patients with familial breast carcinoma, 2013-2014

Analysis of genomic deletions, insertions and rearrangements in BRCA1 and BRCA2 genes in Bulgarian patients with breast cancer, 2012-2013

Analysis of mutation in BRCA1 gene in Bulgarian patients with triple negative breast cancer, 2011-2012

Genetic analysis of mutation in exon 11 of BRCA2 gene in Bulgarian patients with hereditary breast cancer, 2011-2012

Analysis of clinical and molecular characteristics of laryngeal squamous cell carcinoma and their application for prediction of prognosis and treatment response, 2010-2013

Follow up of circulation tumor cells (CTC) levels in patient's with metastatic breast carcinoma – prognostic and predictive meaning, 2010-2012

Analysis of polymorphisms in low-penetrance genes with high risk of breast cancer, 2010-2011

National University Complex in Biomedical and Translational Research, infrastructural project, 2009-2012

Enhancing the capacity of the cores Cell and Tissue Cultures, Microarray and Laser Microdissection in Molecular Medicine Center, MU – Sofia, infrastructural project, 2010-2011

Clinical and molecular markers with predictive value for survival, quality of life and treatment response in high-grade gliomas, 2009-2012

International congresses and conferences

Conferences

R. Dodova,¹ S.Giragosyan,² S.Valev,² N.Miteva,³ A.Nachev,² K.Timcheva,³ R. Dimitrov,² A. Mitkova,¹ V. Mitev,¹ R. Kaneva¹, BRCA1 and BRCA2 Next Generation Sequencing in high-grade serous ovarian cancer, The 25th Meeting of European Association for Cancer Research, 30 June – 3 July 2018, Amsterdam, The Netherlands,

Rumyana Dodova¹, Atanaska Mitkova¹, Daniela Pencheva¹, Spartak Valev², Margarita Taushanova² Alan Nachev³, Konstanta Timcheva², Roumen Dimitrov³, Vanio Mitev¹ and Radka Kaneva¹ Molecular-genetic analysis of BRCA1 and BRCA2 mutations in Bulgarian patients with Hereditary Breast Ovarian Cancer (HBOC) syndrome The 24th Meeting of European Association for Cancer Research 9 -12 July 2016, Manchester, UK, EJC Volume 61 Suppl.1: 206, p.S37

Mitkova A, **Dodova R.** Pencheva D, Vlahova A, Taushanova - Hadjieva M, Valev S, Timcheva K, Christova S, Mitev V, Kaneva R. Mutation screening of Bulgarian hereditary breast and ovarian cancer patients with multi-gene cancer panel. 24th Biennial Conference of European Association for Cancer Research, 08-12 July 2016, Manchester, UK, EJC Volume 61 Suppl.1: 206, p.S37

R. Dodova, A. Mitkova, D. Dacheva, M. Taushanova, S. Valev, A. Vlahova, T. Dikov, C. Timcheva, S. Christova, R. Kaneva Recurrent BRCA1/2 mutations in Bulgarian patients with hereditary breast and ovarian cancer. The 23rd Meeting of European Association for Cancer Research 5-8 July 2014, Munich, Germany, <http://www.ejcancer.com>

Dodova R, Dacheva D, Taushanova M, Valev S, Kamburova Z, Kovacheva K, Timcheva K, Christova S, Mitkova A, Kaneva R. BRCA1/2 mutation screening in Bulgarian patients with triple negative breast cancer. European Breast Cancer Conferences, 19- 21 March 2014, Glasgow, Scotland. EJC, Suppl. 2, Vol.50, P243, p. S114,

D. Dacheva, I. Popov, **R. Dodova**, T. Goranova, A. Mitkova, R. Kaneva, V. Mitev; Comparison of two library construction strategies for targeted resequencing of BRCA1/2 genes in Bulgarian breast cancer patients on NGS platform; Poster presentation; European Association for Cancer Research; 5-8 July 2014; Munich, Germany, European Journal of Cancer, Volume 50, Supplement 5, July 2014, P432, p.S103, <http://www.ejcancer.com>

Popov I, Dacheva D, **Dodova R**, Goranova , Mitkova A, Kaneva R, Mitev V. Variant discovery in BRCA1 and BRCA2: Comparison of the efficiency of NextGENe software and the Torrent Suite

Variant Caller plugin. ESHG conference, June 8-11, 2013, Paris, France, Eur J Hum Genet, Vol. 21, Suppl. 2, June 2013, P16.001, p.365

Rумыана Dodova, Daniela Dacheva, Aleksandrina Vlahova, Tihomir Dikov, Svetlana Christova, Spartak Valev, Margarita Taushanova, Constanta Timcheva, Radka Kaneva and Atanaska Mitkova Mutation screening of BRCA1 gene in Bulgarian breast cancer patients The 22nd Meeting of European Association for Cancer Research 7-10 July 2012, Barcelona, Spain, <http://www.ejcancer.com>

Dodova R, Kachakova D, Vlahova A, Dikov T, Christova S, Valev S, Taushanova M, Timcheva C, Mitev V, Kaneva R and Mitkova A. Association of polymorphisms in low-penetrance genes with breast cancer risk in Bulgarian cohort of familial cases and controls. The European Human Genetics Conference, 22-26 June 2012, Nuremberg, Germany,

Dacheva D, **Dodova R**, Mitkova A, Vlahova A, Dikov T, Valev S, Timcheva K, Christova S, Mitev V, and Kaneva R. Mutation screening of BRCA2 exon 11 and exon 17 in Bulgarian breast cancer patients. The European Association for Cancer Research, 7-10 July 2012, Barcelona, Spain, Vol.48, Suppl. 5, <http://www.ejcancer.com>

Dodova R, Bozhanov S, Nikolov I, Garanina Z, Mitkova A, Kaneva R, Mitev V and Georgieva E. PIK3CA mutation screening in bulgarian breast cancer patients, International Conference on Bioinformatics and Computational Biology, 20-21 September 2012, Varna, Bulgaria. Abstract book, Poster 22. 59.

<https://www.eshg.org/fileadmin/www.eshg.org/conferences/2012/ESHG2012AbstractsWebsite.pdf>

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 chromosome 8q24", The European Human Genetics Conference (ESHG 2011), 28-31 May 2011, Amsterdam, The Netherlands,

Dacheva DR, **Dodova R**, Vlahova A, Dikov T, Christova S, Valev S, Timcheva C, Mitev V, Kaneva R, Mitkova A. Mutation screening of BRCA2 exon11 in Bulgarian breast cancer patients; European Human Genetics Conference (ESHG 2011), May 28 – May 31 2011, Amsterdam, The Netherlands,

Dodova RI, Dancheva D, Vlahova A, Dikov T, Hristova S, Valev S, Timcheva C, Mitev V, Kaneva R, Mitkova A. Large genomic aberrations in BRCA1 and BRCA2 genes in Bulgarian breast cancer patients; European Human Genetics Conference (ESHG 2011), May 28 – May 31 2011, Amsterdam, The Netherlands,

Rумыана Dodova, Atanaska Mitkova, Daniela Dacheva, Marija Caulevska, Aleksandrina Vlahova, Tihomir Dikov, Spartak Valev, Margarita Taushanova, Constanta Timcheva, Vanio Mitev, Radka Kaneva and Svetlana Christova. BRCA mutation screening in Bulgarian breast cancer patients. European Congress of Pathology (ECP) 27 August - 01 September 2011, Helsinki, Finland.

Dodova R, Mitkova A, Caulevska M, Vlahova A, Dikov T, Sedloev T, Jonkov A, Kremensky I, Christova S, Mitev V and Kaneva R. Association of polymorphisms in BRCA1 gene with breast cancer risk in Bulgarian familial cases. European Association for Cancer Research Conference, 26-29 June 2010, Oslo, Norway, EJC, Volume 8, Issue 5, p.217, <http://www.ejcancersupplements.com/>

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, European Association for Cancer Research 26-29 June 2010, Oslo, Norway, EJC, Volume 8, Issue 5, 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, Eur J Hum Gen, Vol. 18, Suppl. 1, P06.135, p. 189 <https://www.eshg.org/fileadmin/www.eshg.org/abstracts/ESHG2010Abstracts.pdf>

Popov E, Kachakova D, Boyadjieva M, Mitkova A, **Dodova R**, Vlahova A, Dikov T, Christova S, Kremensky I, Slavov C, Mitev V, Kaneva R, Role of genetic polymorphism in SRD5A2 gene in progression of prostate cancer, IX International Congress of Medical Sciences, 13-16 May 2010, Sofia, Bulgaria.

Mitkova A, **Dodova R**, Caulevska M, Vlahova A, Dikov T, Sedloev T, Jonkov A, Kremensky I, Christova S, Mitev V and Kaneva R. Mutation screening of BRCA1 exons 2, 11, and 20 in Bulgarian breast cancer patients. European Human Genetics Conference, 23 - 26 May 2009, Vienna, Austria. Eur J Hum Gen 17(2), P06.111 p.190,

Mitkova A, **Dodova R**, Vlahova A, Dikov T, Sedloev T, Jonkov A, Kremensky I, Christova S and Kaneva R. Mutation screening of BRCA1 exon 11 in Bulgarian breast cancer families, 20th Conference of European Association of Cancer Research 5-8 July 2008, Lyon, France, <http://www.sciencedirect.com/science/journal/13596349/6/9>.

Bulgarian congresses and conferences

Додова, Р, Генетичен скрининг при фамилен рак на гърдата и яйчниците, Българско научно дружество по акушерство и гинекология, XIX национална гинекологична конференция, Боровец, 17 - 19.03.2016 г.

Honours and awards

Certificate of achievement of the occasion of 1 November "The day of the Bulgarian National Revival Leaders" for the best researcher work in the scientific field of medicine, medico-biological branch. Funded by the Medical University of Sofia for young researcher 2010 and young researcher 2011

Memberships

EACR (European Association for Cancer Research)
European Society of Human Genetics

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ANNEXES