

PERSONAL INFORMATION

Georgi Todorov Danovski



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 <https://github.com/GDanovski>

Sex male | Date of birth 01/02/1990 | Nationality Bulgarian

WORK EXPERIENCE

01.10.2015 - present

**Scientific assistant**

Institute of Molecular Biology, Bulgarian academy of sciences

- DNA repair, fluorescence microscopy, image analysis, developing computer algorithms for data analysis

09.09.2014 - 03.03.2015

**Erasmus+ mobility program internship**

Nuclear oncology research team, University of Nantes, France

- Protein engineering, electrophoretic mobility shift assay, determination of DNA binding activity of proteins by detecting fluorescence quenching, quickchange mutagenesis.

01.10.2013 – 01.02.2014

**Biology teacher**

National science and mathematics high school "Akad. Lubomir Chakalov", Sofia

- Preparing students for the national round of the Biology Olympiad

01.10.2009 - 27.07.2013

**Internship**

Department of Biochemistry, Biological faculty, University of Sofia „St. Kliment Ohridski”

- Chromatography, electrophoretic separation of protein molecules, western blot analysis, chemical modification of amino acids and examination of kinetic parameters of enzymes

EDUCATION AND TRAINING

2016 - 2018

**PhD student**

Institute of Molecular Biology, Bulgarian academy of sciences

DNA repair, fluorescence microscopy, image analysis, developing computer algorithms for data analysis

2013 - 2015

**Master of Biochemistry**

University of Sofia „St. Kliment Ohridski”

- Molecular enzymology, Molecular biology of the cell, DNA repair

2009 - 2013

**Bachelor of Molecular biology**

University of Sofia „St. Kliment Ohridski

- Molecular biology, Biochemistry, Enzymology, Microbiology, Genetics, Molecular immunology

2004 - 2009

**High school diploma**

National science and mathematics high school "Akad. Lubomir Chakalov", Sofia

- Biology, Chemistry, English, Informatics

PERSONAL SKILLS

Mother tongue(s) Bulgarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Russian	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

Communication skills ▪ Good communication skills gained through Erasmus + mobility program

Organisational / managerial skills ▪ Leadership (managing a team of students), organization of student competition (National science and mathematics high school “Akad. Lubomir Chakalov”, Sofia)

Computer skills ▪ Good command of Microsoft Office; ImageJ; PhotoShop; R, QtiPlot; Microsoft Visual Studio; Program languages C#, C++, HTML, CSS, VBA, vb.net, ImageJ macro language.

ADDITIONAL INFORMATION

Projects ▪ Bulgarian national science fund, project № “КП06-Н21-9/18.12.18”, 2018  
▪ Bulgarian ministry of education fund, project “БиоАктивМед”, 2018  
▪ Bulgarian national science fund, project № “ДН11/42”, 2017  
▪ Bulgarian national science fund, project № “ДФНИ-Б02/16”, 2015

Publications ▪ V. Andreev, R. Hristova, M. Asparuhova, **G. Danovski**, S. Stoynov, and A. Gospodinov, 'Mammalian Ino80 Chromatin Remodeler Cooperates with Fancm to Mediate DNA Interstrand Crosslink-Induced Checkpoint Activation and Repair', *DNA Repair* (2019).  
▪ **Georgi Danovski**, Teodora Dyankova, and Stoyno Stoynov, 'Celltool: An Open Source Software Combining Bio-Image Analysis and Mathematical Modeling', *bioRxiv* (2018), 454256.  
▪ R. Aleksandrov, A. Dotchev, I. Poser, D. Krastev, G. Georgiev, G. Panova, Y. Babukov, **G. Danovski**, T. Dyankova, L. Hubatsch, A. Ivanova, A. Ategin, M. N. Nedelcheva-Veleva, S. Hasse, M. Sarov, F. Buchholz, A. A. Hyman, S. W. Grill, and S. S. Stoynov, 'Protein Dynamics in Complex DNA Lesions', *Molecular Cell*, 69 (2018), 1046-1061.  
▪ V. Kalichuk, G. Béhar, A. Renodon-Cornière, **G. Danovski**, G. Obal, J. Barbet, B. Mouratou, and F. Pecorari, 'The Archaeal "7 Kda DNA-Binding" Proteins: Extended Characterization of an Old Gifted Family', *Scientific Reports*, 6 (2016).  
J. Doumanov, K. Mladenova, R. Aleksandrov, **G. Danovski**, and S. Petrova, 'Interactions of Pharmacologically Active Snake Venom Spla2 with Different Cell Lines', *Biotechnology and Biotechnological Equipment*, 28 (2014), 918-22

- Conferences**
- 7-8 November 2018 - "Euro-BioImaging Industry Board Image Data Workshop", Heidelberg, Germany
  - 31 January 2018 - 02 February 2018 – "The 2nd NEUBIAS Conference", Szeged, Hungary
    - Poster presentation: "CellTool – software for live cell imaging and analysis";
    - "Open source Software Lounge" - presentation of the computer software CellTool;
  - 16-18 November 2017 - Humboldt Kolleg "Humboldtians and Scientific Progress in the Central and Eastern European (CEE) Countries", Sofia, Bulgaria
    - Presentation: "Computer analysis of fluorescent microscopy images as a method of obtaining the kinetics of proteins involved in DNA repair";
  - 19-21 June 2017 – "18<sup>th</sup> International Workshop on Combinatorial Image Analysis", Plovdiv, Bulgaria
    - Poster presentation – "Computer analysis of fluorescent microscopy images as a method of obtaining the kinetics of proteins involved in DNA repair";
  - 6-7 April 2017 – "Molecular Biology - New Horizons", Sofia, Bulgaria
    - Presentation – "Computer analysis of fluorescent microscopy images as a method of obtaining the kinetics of proteins involved in DNA repair".
  - 6-7 April 2016, "Interdisciplinary PhD Forum", Sofia, Bulgaria
    - Poster presentation – "Recruitment of Translesion Polymerases Pol $\eta$  and Pol $\kappa$  to Sites of UV Induced DNA Damage";
  - 2013 – "XXIII International conference in Stara Zagora", Stara Zagora, Bulgaria
    - Presentation – „Chemical modifications of phospholipase A2 from *Vipera ammodytes*: effect on catalytic properties";
  - 2013 - International conference "Bioscience – development and new opportunities", Sofia, Bulgaria
    - Poster presentation – "Altered surface properties of MDCK HBEST cells treated with toxic sPLA2";
  - 2013 - International conference „Bioscience – development and new opportunities", Sofia, Bulgaria
    - Poster presentation – "Interactions of pharmacologically active snake venom sPLA2 with different cell lines";
- Courses**
- 2016 – "Challenges in Image Data Management and Analysis", Global Bioimaging course, EMBL Heidelberg, Germany.
- Honours and awards**
- 2012 – Biological competition „The Game"-1st place
  - 2011 – Biological competition „The Game"-2nd place
  - 2010– Biological competition „The Game"-1st place
  - 2009 – National Olympiad in Chemistry-30th place
  - 2009- National Olympiad in Biology -7th place
  - 2008 - National Olympiad in Biology -7th place
  - 2007 – National Olympiad in Biology -13th place
  - 2006 –National Olympiad in Biology -30th place
  - 2005 – National Competition in Biology – 4th place
  - 2005 – Biology Olympiad - regional round – 1st place
  - 2004 - Biology Olympiad - regional round – 3rd place
  - 2003 – First Sofia Competition in Biology for the 6th grade: 1st place