



**PERSONAL
INFORMATION**

Name
Nationality

Simona Zdravkova Avramova-Cholakova

Curriculum Vitae

Avramova-Cholakova, Simona Zdravkova
Bulgarian

WORK EXPERIENCE

- Dates (from - to)
- Name and address of employer
- Type of business or sector
- Occupation or position held
- Main activities and responsibilities

03.2016 – present

University Hospital Acibadem City Clinic

Medical Physics Laboratory

Head of Medical Physics Laboratory

- Quality control (QC), estimation of typical patient doses, optimization in imaging, interventional radiology and nuclear medicine departments in five hospitals;
- Research in the field of QC, dosimetry methods and optimization in diagnostic and interventional radiology and nuclear medicine; development of new methods;
- Lecturing on QC, dosimetry and radiation protection to medical staff (radiologists, radiographers, nurses, doctors non radiologists using X-rays);
- Lecturing on QC, dosimetry, radiation protection, physics of medical imaging to medical physicists as part of residency program on Medical Radiation Physics;

06.2006 – 02.2016

National Centre of Radiobiology and Radiation Protection

Radiation Protection at Medical Exposure Section

Head of Radiation Protection at Medical Exposure Section since June 2014, Assoc. Prof. since January 2016.

- Research in the field of quality control (QC) and dosimetry methods in diagnostic and interventional radiology; development of new methods;
- QC and dosimetry measurements in diagnostic and interventional radiology;
- Lecturing on QC, dosimetry and radiation protection to medical staff (radiologists, radiographers, nurses, doctors non radiologists using X-rays);
- Lecturing on QC, dosimetry, radiation protection, physics of medical imaging to medical physicists as part of residency program of Medical Radiation Physics;
- Development of national regulations in the field of radiation protection at medical exposure;
- Participation in projects in the field of medical exposure and radiation protection;
- Organisation of national surveys on patient doses and elaboration of diagnostic reference levels;

02.2015 – present

External lecturer at Medical University – Sofia,

Faculty of Dental Medicine,

- Course on Physics of Diagnostic Radiology and Radiation Protection for Dental Medicine students; in Bulgarian and in English

10.2014 – present

External lecturer at Sofia University “St. Kliment Ohridski”

Faculty of Physics

- Course on Physics of Diagnostic Radiology and Nuclear Medicine for Medical Physics students, MSc programme
- Course on Magnetic Resonance Imaging for Medical Physics students, MSc

programme

12.2013 – 03.2016

Hospital for Women's Health "Nadezhda"

Part time **Medical Physicist**

Responsible for controlling quality control program, for advising the hospital management and clinical staff on all aspects of radiation protection of patients and staff, for determination of typical doses received by patients during X-ray imaging procedures.

10.2012 – present

External lecturer at Medical University – Sofia

Medical College “Jordanka Filaretova”,

- Course on Radiation Protection for radiographers;

03.2011 – present

External lecturer at Medical University – Sofia

- Course on Radiological Physics, Radiation Protection and Optimization for physicians, residents in diagnostic radiology

01.1995 – 05.2006

Oncological Hospital

Radiotherapy department

Medical Physicist

- Treatment planning, Dosimetry, QC in Radiotherapy and Diagnostic Radiology

- Experience with ⁶⁰Co treatment unit, superficial and orthovoltage X-ray therapy

systems, High Dose Rate brachytherapy with ⁹⁰Ir and ¹³⁷Cs, Nuclear Medicine therapy;

- Radiation protection monitoring of the working environment, incl. the department of Nuclear Medicine;

- Personal dosimetry measurements with TLD system

EDUCATION AND TRAINING

- Dates (from - to)
- Name and type of organisation providing education or training
 - Principal subjects/occupational skills covered
- Title of qualification awarded
- Level in national classification (if appropriate)

2008-2013

Medical University Sofia

Post-graduate education (**residency**) on **Medical Radiation Physics**

2008-2010

National Centre of Radiobiology and Radiation Protection, Sofia, Bulgaria

PhD in Medical Radiological Physics, PhD Thesis “Image quality and patient dose in X-ray mammography”

2002-2004

International Inter-University Centre for Education in Medical Radiation

Physics/Engineering, Plovdiv University, Plovdiv, Bulgaria

With accreditation from EU

MSc in Medical Radiation Physics and Engineering

1989-1994

Sofia University, Dept. of Physics, Sofia, Bulgaria

Optics and spectroscopy Specialty

MSc in Physics

Mother tongue

Bulgarian

Other languages

English

- Ability to read

Excellent

- Ability to write

Excellent

- Ability to speak

Excellent

French

Excellent

Excellent

Excellent

Other skills and competences
Competences not mentioned above

Russian

Excellent

Excellent

Excellent

- Four **Expert missions for the IAEA** as lecturer in Riga, Latvia, Tallinn, Estonia, Saint Petersburg, Russia, and Tashkent, Uzbekistan
- **Member of the Scientific committee** of the 6th Meeting Endourology and Minimally Invasive Surgery, Sofia, Bulgaria, 2015
- **Member of the Scientific committee** of the International Conference on Radiation Protection in Medicine, Varna, Bulgaria, 2014
- **Member of the Organizing Committees** of three international and one Bulgarian conferences
- **Chief Scientific Investigator** in two IAEA projects, **Expert** in one PHARE project, and participation in three other projects (IAEA and EC)
- **Referee** for Physica Medica, Radiation Protection Dosimetry and Medical Physics
- **Best Paper Award** for the paper “Patient doses from PET-CT and SPECT-CT procedures“ in International Conference on Radiation Protection in Medicine, 30 May-2 June 2014, Varna, Bulgaria
- **Best Paper Award** for the paper “A survey of the state of mammography practice in Bulgaria” in International Conference on Radiation Protection in Medicine, 1-3 September 2010, Varna, Bulgaria
- **Best Young Scientist Award** “Prof. Ivan Daskalov D.Sc.” for the paper “Determination of mean glandular dose on patients and phantom in X-ray mammography”, Bulgarian Society of Biomedical Physics and Engineering and Organizing Committee of the Xth National Conference on Biomedical Physics and Engineering, 16.10.2008, Sofia, Bulgaria

ADDITIONAL INFORMATION

Membership of professional bodies:

- President of the Bulgarian Society of Biomedical Physics and Engineering, member of EFOMP, IOMP, IFMBE, EAMBES
- European Society of Radiology
- Representative for Bulgaria in working group Medical Applications (2014-2016), HERCA
- Independent expert in the Bulgarian Institute for Standardization