



Personal Information:

First name, Surname
Address
Phone
Fax
E-mail
Citizenship
Date and place of birth
Gender
Civil Status

Work Experience:

April 2018 – present

May 2016 – present

August 2014 – May 2016

March 2012 – May 2016

September 2013

Marin Bodale

Iasi, Blvd. Alexandru cel Bun, nr.36, Bl.H1, Sc.TR1, Ap.18, 700571, Romania
(+4)0755966154
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mbodale@fizicamedicala.ro
Romanian & Swiss resident
March 1st, 1977, Vicovu de Sus, Suceava, Romania
Male
Married

19+ years of clinical medical physics

Vice President

- Supervise the CFMR branch activity of the Moldavia region
- Romanian delegate at IOMP (International Organization for Medical Physics), EFOMP (European Federation of Organisations for Medical Physics) and ESTRO (European Society for Radiotherapy & Oncology)

Romanian College of Medical Physicists (CFMR)

Legislation - Healthcare

Manager, Medical Physics Expert

- Clinical medical physics services and consulting support in Radiotherapy and Diagnostic Radiology
- Commissioning, configuration and calibration of radiotherapy and medical imaging devices
- Marketing of radiation measuring and control instruments in health physics
- Integrated solutions of medical equipment and technical expert advice in Radiotherapy and Diagnostic Radiology
- Provider of on-site training upon the client's request concerning clinical go-live support, help-desk or follow-up training of medical staff in the proper use of VARIAN products
- LUDLUM marketing of radiation measuring instruments and quality assurance tools in medical physics and health physics

Medical Physics Center Iasi, Romania

Healthcare

Medical physicist

- Clinical medical physics services - Radiotherapy and Diagnostic Radiology
- ### **Zentrum für Radiotherapie Rüti Zürich-Ost-Linth AG, Switzerland**
- Healthcare

Medical physicist

- Clinical medical physics services - Radiotherapy and Diagnostic Radiology
- ### **Kantonsspital Winterthur (KSW), Zürich Kanton, Switzerland**
- Healthcare

Lecturer

- „Continuing Professional Education Course in Diagnostic and Interventional Radiology Physics”, Băile Felix

Romanian College of Medical Physicists

Faculty of Sciences, University of Oradea, Romania

Education

February 2013	<p><i>IAEA Expert Lecturer</i></p> <ul style="list-style-type: none"> „National Training Course on Approach to Treatment Planning and TPS Quality Assurance” Banja Luka, Bosnia & Herzegovina (IAEA-BOH6013) <p>International Atomic Energy Agency (IAEA) Education</p>
December 2011 – December 2012	<p><i>Medical Physics Expert consultant</i></p> <ul style="list-style-type: none"> Medical physics consulting services: authorization license of Diagnostic Radiology facilities at the National Commission for Nuclear Activities Control (CNCAN) <p>“Grigore T. Popa” University of Medicine and Pharmacy of Iasi, Romania Education</p>
November 2009 – June 2012	<p><i>Medical Physics Expert consultant</i></p> <ul style="list-style-type: none"> Medical physics consulting services: Radiation Protection design of Radiotherapy and Diagnostic Radiology facilities and shielding calculations, planning, area radiation monitoring, workload, surveys and authorization license from the National Commission for Nuclear Activities Control <p>Regional Institute of Oncology Iasi, Romania Healthcare</p>
September 2011	<p><i>Lecturer</i></p> <ul style="list-style-type: none"> „Continuing Professional Education Course in Diagnostic and Interventional Radiology Physics”, Iasi (advised CNCAN no.020/2011) <p>Romanian College of Medical Physicists Faculty of Medical Bioengineering, “Grigore T. Popa” University of Medicine and Pharmacy from Iasi, Romania Education</p>
March 2010 – March 2018	<p><i>President</i></p> <ul style="list-style-type: none"> Improving national medical physics laws, harmonization of legislation to EU standards and Romanian delegate at IOMP, EFOMP and ESTRO <p>Romanian College of Medical Physicists (CFMR) Legislation - Healthcare</p>
March 2009 – January 2010	<p><i>Medical Physics Expert consultant</i></p> <ul style="list-style-type: none"> Clinical medical physics services - Radiotherapy and Diagnostic Radiology <p>Emergency County Hospital of Bacau, Romania Healthcare</p>
October 2009 – November 2010	<p><i>Medical physicist consultant</i></p> <ul style="list-style-type: none"> <i>iX Clinac & Eclipse TPS commissioning</i>, Euromedic Cancer Center Banja Luka, Bosnia & Herzegovina <i>Varian iX Clinac & Eclipse TPS commissioning</i>, Military Hospital Ismailia, Egypt <p>VARIAN Medical Systems International AG, Zug, Switzerland Healthcare</p>
January 2008 – October 2009	<p><i>Application specialist physicist</i></p> <ul style="list-style-type: none"> on-site training for medical staff to the proper use of Varian products (linear accelerator, simulator Acuity, OBI, ARIA, Portal Dosimetry, Argus, Eclipse, IMRT, VMAT), serving hospitals in the EEMEA region (trainings carried out: Bangladesh, Belgium, Czech Republic, Denmark, France, Germany, Georgia, Greece, India, Israel, Latvia, Poland, Portugal, Romania, Slovakia, Spain, Sri Lanka, Sweden, Switzerland, Turkey, USA, UK) physics application support of Varian hardware and software products <p>VARIAN Medical Systems International, Zug, Switzerland Healthcare</p>
September – December 2007	<p><i>Medical Physics Expert</i></p> <ul style="list-style-type: none"> Clinical medical physics services - Radiotherapy and Diagnostic Radiology <p>“Saint Spiridon” University Hospital of Iasi, Romania Healthcare</p>

July – August 2007

Medical physicist consultant

- *Varian iX Clinac & Eclipse TPS commissioning*, Eaux-Vives Centre de Radio-oncologie, Geneva, Switzerland
- *Varian iX Clinac & ADAC Pinnacle TPS commissioning*, Heilig-Hartziekenhuis Roeselare, Belgium

VARIAN Medical Systems International, Zug, Switzerland

Healthcare

July 2007 – March 2012

Medical Physics Expert

- Clinical medical physics services and consulting support in Radiotherapy and Diagnostic Radiology
- Commissioning, configuration and calibration of radiotherapy and medical imaging devices
- Marketing of radiation measuring and control instruments in health physics
- Integrated solutions of medical equipment and technical expert advice in Radiotherapy and Diagnostic Radiology
- Provider of on-site training upon the client's request concerning clinical go-live support, help-desk or follow-up training of medical staff in the proper use of VARIAN products
- LUDLUM marketing of radiation measuring instruments and quality assurance tools in medical physics and health physics

Medical Physics Center Iasi, Romania

Healthcare

July 2005 – July 2006

Medical physicist

- Clinical medical physics services - Radiotherapy and Diagnostic Radiology at 15 Cancer Center satellites across Texas
 - ✓ *Varian C-series Clinac & Eclipse TPS commissioning*: Rena Tarbet Cancer Center, McKinney
 - ✓ *Varian C-series Clinac & Eclipse TPS commissioning*: Radiation Oncology at Trophy Club Medical Center, Dallas-Fort Worth

AROS LLC, Texas Cancer Centers, Dallas–Fort Worth–Arlington, USA

Healthcare

March 2004

Lecturer

- “Radiation Protection in Diagnostic Radiology course”, Iași (advised CNCAN no.004/2004)

“Grigore T. Popa” University of Medicine and Pharmacy of Iasi, Romania

Education

May 2003 – July 2005

Associate teaching staff

- supervisor of the specialization practical works for Medical Physics students from Faculty of Physics, "Alexandru Ioan Cuza" University of Iasi in the of Radiotherapy, Diagnostic Radiology and Medical Imaging labs at “Saint Spiridon” University Hospital of Iasi

Faculty of Physics, “Alexandru Ioan Cuza” University of Iasi, Romania

Education

October 2000 – July 2007

Medical physicist

- Clinical medical physics services - Radiotherapy and Diagnostic Radiology
 - ✓ *Radiation Safety Officer for ROKUS M ⁶⁰Co units* (December 2003 – September 2005) CNCAN, no.AP058/2003
 - ✓ *Radiation Safety Officer for Varian 2100C/S Linear Accelerator unit* (October 2001 – May 2002) CNCAN, no.GE124/2001
 - ✓ *EROPAQ/EQUAL Programme (TLD Dosimetry Intercomparison for High Energy Photon Beams)*, IAEA-WHO (2000, 2001, 2004)

“Saint Spiridon” University Hospital of Iasi, Romania

Healthcare

Education and Degrees:

2016–2018

Master (M.H.M.)

- Management of health services in the medico-pharmaceutical field

Faculty of Medicine, "Grigore T. Popa" University of Medicine and Pharmacy from Iasi, Romania

2001–2005

Ph.D. student (*part time*)

- Medical Physics

Faculty of Physics, University of Bucharest, Romania

2002–2003

Ph.D. training

- Medical Radiation Physics

"Eberhard-Karls" University of Tübingen, Germany

2000–2001

Postgraduate Diploma of Advanced Studies (D.A.S.)

- Medical Use of Radioactive Isotopes course (CUIR)

Faculty of Physics, University of Bucharest, Romania

1999–2000

Master (M.Sc.)

- Medical Physics

European School of Medical Physics, University of Patras, Greece

1999–2001

Master (M.Sc.)

- Physics (application in medicine)

Faculty of Physics, "Alexandru Ioan Cuza" University of Iasi, Romania

1995–1999

Bachelor (B.Sc.)

- Medical Physics

Faculty of Physics, "Alexandru Ioan Cuza" University of Iasi, Romania

1991–1995

Baccalaureate

- Mathematics and Physics

"Ion Nistor" High School of Vicovu de Sus, Suceava, Romania

Personal Skills and Competences:

Mother tongue:

Romanian

Other language:

English
German
French

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	Written expression
C2	C2	C2	C2	C2
B1	A2	B1	B1	A2
A1	A2	A1	A1	A1

Communication skills and social competences

ability of communication, inter-human relationships, ability to work in groups, adaptability to new working conditions, stress tolerance, teamwork, sociable

Organisational/managerial skills

organizational capacities and project management, control and coordination skills, good organizational skills, managerial skills performance

Technical skills

skills and competences in clinical radiotherapy and diagnostic radiology - acquired as a Radiation Safety Officer and medical physicist, technical drawings and diagrams skills, educational skills and competencies - gained as a coordinator/instructor, a good knowledge of process control and quality assurance in healthcare system

Computer use and digital competence

Varian Eclipse, ADAC Pinnacle, CMS XiO, Nucletron Oncentra and Nomos Corvus Peacock Treatment Planning Systems, Varian ARIA and Elekta MOSAIQ Oncology Information System, Philips AcQsim-Voxel Q, IBA Dosimetry OmniPro-Accept/Blue Phantom, PTW MEPHYSTO/BEAMSCAN, MultiData RTD Beam Scanning Standard Imaging DoseView 3D, SunNuclear 3D Scanner SNC Dosimetry, PTW-2DSOFT, PTW-VeriSoft, PTW-MultiCal, PTW-MultiSoft, SunNuclear DailQA, MapCheck and ArcCheck, Varian Portal Dosimetry (PDIP), EPI dos Epiqa, RIT Film Dosimetry, Osiris, SigmaPlot, Origin, Microsoft Office, Open Office, etc.

- *languages*: Matlab, Maple X, Pascal, Basic
- *web design*: HTML, Java script, Macromedia Flash, etc.
- *O/S*: MS-DOS, NC, Windows, Linux (Ubuntu, Red Hat, SuSE), Unix (Oracle Solaris)
- Monte Carlo modelling (EGSnrc and GEANT codes)

Artistic skills	technical drawing, graphic design, photography, music, dance
Other skills	science and technology, auto, information technology and PC communications, gastronomy, sport (chess, football, tennis, biking)
Driving licence	B: Romanian & Swiss; C: Texas, USA
Additional information: Affiliations/Membership:	<ul style="list-style-type: none"> • 2001 ESTRO – European Society for Therapeutic Radiology and Oncology • 2003 AAPM – American Association of Physicists in Medicine • 2003 ASTRO – American Society for Therapeutic Radiology and Oncology • 2006 MCFA – Marie Curie Fellows Association • 2009 ESR – European Society of Radiology • 2010 CFMR – Romanian College of Medical Physicists • 2012 SGSMP – Swiss Society of Radiobiology and Medical Physics • 2019 SRIM – Romanian Society of Radiology and Medical Imaging
Grants, Awards, Honors:	<ul style="list-style-type: none"> • 1995–1999, 2017–2018: National Merit Scholarship, Romanian Ministry of Education • 1999–2000: Erasmus-Socrates Scholarship, Patras, Greece • 2001, 2004, 2017: International Atomic Energy Agency (IAEA) Travel Award • 2002–2003: Marie Curie Training Fellowship for Medical Radiation Physics, Tübingen, Germany • 2003: American Association of Physicists in Medicine (AAPM) Partners in Physics Program New England Chapter • 2004: European Society for Therapeutic Radiation Oncology (ESTRO) Membership Award • 2019: European Nuclear Education Network (ENEN) mobility grant
Professional licenses:	<p>October 9th, 2019: (<i>EACMPE</i>) <i>European Attestation Certificate of Medical Physics Expert in Radiation Oncology</i> certificated by EFOMP Examination Board (EEB)</p> <p>March 26th, 2007: <i>Medical Physics Expert in Radiotherapy & Diagnostic and Interventional Radiology fields</i> certificated by the Romanian Ministry of Public Health and National Commission for Nuclear Activities Control (<i>national exam</i>):</p> <ul style="list-style-type: none"> ✓ Authorization of Independent Practice - <i>Medical Physics Expert</i> - no.14721/2007, no.15624/2013 and no.16493/2018, issued by the Romanian Ministry of Public Health ✓ CNCAN Practice Permit Level 3 - <i>Medical Physics Expert in Radiotherapy & Diagnostic and Interventional Radiology fields</i>, no.002/2007 and no.1249/2012, issued by National Commission for Nuclear Activities Control, Romanian Government ✓ Certificate of Professional Qualification in Medical Physics (individual stamp code) no.EFM-779900010, issued by the Romanian College of Medical Physicists
Founder:	<ul style="list-style-type: none"> • Romanian College of Medical Physicists (<i>CFMR</i>) (March 5th, 2010) • Romanian Journal of Medical Physics (<i>Revista de Fizică Medicală</i>) (ISSN2344-3944) (November 7th, 2013)
Scientific Committees:	<ul style="list-style-type: none"> • <i>National delegate for Romania:</i> European Society for Radiotherapy & Oncology (ESTRO) (2012-present) • <i>Member of the International Advisory Committee:</i> World Congress on Medical Physics and Biomedical Engineering, Toronto, Canada (2015) • <i>National delegate for Romania:</i> European Federation of Organisations for Medical Physics (EFOMP) (2015-present) • <i>National delegate for Romania:</i> International Organization for Medical Physics (IOMP) (2016-present) • <i>Accredited CFMR representative:</i> Parliament of Romania (Committees of the Chamber of Deputies for labor, health and education) (2017-present) • <i>Member of the MEDIRAD Stakeholder Forum:</i> European Institute for Biomedical Imaging Research (EIBIR) (2019-present) • <i>Reviewer:</i> The 3rd revision of the ESTRO-EFOMP European Core Curriculum for Medical Physicists in Radiotherapy (2019-present)

National professional activities organizer:

- *General secretary*: Radiation Protection in Diagnostic Radiology course, “Grigore T. Popa” University of Medicine and Pharmacy Iasi, 4-23 March 2004
- *Co-chair of conference committee*: 1st Romanian Conference of Medical Physicists, Sibiu, 18-19 September 2010
- *Director course and local organizing committee*: Continuing Professional Education Course in Diagnostic and Interventional Radiology Physics, Iasi, 12-16 September 2011
- *Coordinator organizing committee*: 3rd Romanian Conference of Medical Physicists, Sibiu, 22-23 September 2012
- *co-Director course*: Continuing Professional Education Course in Diagnostic and Interventional Radiology Physics, Băile Felix, 19-21 September 2013
- *co-Chair of conference committee*: 13th Romanian Conference of Medical Physics, Cluj Napoca, 7-8 November 2015
- *co-Chair of conference committee*: 14th Romanian Conference of Medical Physics, Oradea, 4-6 November 2016
- *Chair of conference committee*: 15th Romanian Conference of Medical Physics, Iasi, 10-12 November 2017
- *co-Director course*: National Training Course on Medical Physics, 16th Edition, Bucharest, 28-29 September 2018
- *co-Director course*: National Training Course on Medical Physics, 17th Edition, Timisoara, 20-21 September 2019

Professional certifications:

- April – May 1999: Romanian-French Seminar of Clinical Dosimetry, IAEA, Iasi, Romania
- January 2001: ADAC Pinnacle 3D TPS course, Bucharest, Romania
- April 2001: PTW dosimetry equipments training, Iasi, Romania
- August 2001: ESTRO teaching course on Physics for Clinical Radiotherapy, Leuven, Belgium (IAEA-RER6012)
- September 2001: 4th Southern European School of the European Physical Society - Physics in Medicine, University of Algarve, Faro, Portugal
- November 2001: RFA with OmniPro-Accept software of IBA Scanditronix-Wellhöfer training, Iasi, Romania
- November – December 2001: European School of Medical Physics - Medical Imaging: with ionising radiation, Medical Computing, and Physics of Modern Radiotherapy, Archamps, France
- February – March 2002: Biomaterials, Equipments and Techniques in Stomatology conference, Iasi, Romania
- April 2002: Fours-Seas-Conference of Physics-Without-Borders, Thessaloniki, Greece
- September 2004: Fours-Seas-Conference of Physics-Without-Borders, Istanbul, Turkey
- September 2004: ESTRO teaching course on Basics Clinical Radiobiology, Lausanne, Switzerland (IAEA-RER6012)
- October 2004: IAEA Dosimetry and Quality Assurance in External Radiotherapy course, Institute of Public Health Bucharest, Romania
- November - December 2004: European School of Medical Physics - Physics of Modern Radiotherapy and Brachytherapy, Archamps, France
- June 2005: EURATOM seminar, Bucharest, Romania
- August 2005: IMPAC Record & Verifying System Training, Houston, Texas, USA
- September 2005: BrachyVision TPS Training, Arlington, Texas, USA
- April 2006: Eclipse TPS Training, McKinney, Texas, USA
- June 2006: VariSource HDR Remote Afterloader Training, McKinney, Texas, USA
- January 2007: Varian Clinac & VARiS Record & Verifying System Training, Iasi, Romania
- May – June 2007: Fours-Seas-Conference of Physics-Without-Borders, Iasi, Romania
- September 2007: IRPA Regional and Global Aspects of Radiation Protection, Brasov, Romania

- January 2008: Oncology Information System Implementation course, Zug, Switzerland
- April 2008: Eclipse TPS Management course, Zug, Switzerland
- April 2008: Eclipse Treatment Planning System Application & Clinical Practice course, Zug, Switzerland
- April 2008: Varian High Energy Clinac course, Las Vegas, Nevada, USA
- April – May 2008: Varian Clinical Product Orientation course, Las Vegas, Nevada, USA
- May 2008: Acuity Simulator course, Crawley, UK
- August 2008: EIP IMRT Administration and Physics course, Las Vegas, Nevada, USA
- September 2008: Portal Dosimetry course, Las Vegas, Nevada, USA
- September 2008: ESTRO27, Göteborg, Sweden
- October 2008: Physics ARIA training, Baden, Switzerland
- February 2009: Physics RapidArc, Portal Dosimetry & Argus training, Zug, Switzerland
- May 2009: ARIA training, Zug, Switzerland
- July 2009: Radiation Shielding for Medical Installations, Ericeira, Portugal
- May 2010: Comprehensive Linac Physics Data Management System, D3 Radiation Planning, USA
- June 2010: Head & Neck Conformal Therapy and IMRT course, Cluj-Napoca, Romania
- September 2010: 1st Romanian Conference of Medical Physicists, Sibiu, Romania
- December 2010: IAEA National Training Course on Individual Dosimetry for Neutrons, Bucharest, Romania (IAEA-ROM9030)
- July 2011: LUDLUM Instrument Calibration and Repair Training, Sweetwater, Texas, USA
- July 2011: LUDLUM Gate Monitor Installation and Repair Training, Sweetwater, Texas, USA
- September 2011: 2nd Romanian Conference of Medical Physics, Iasi, Romania
- April 2012: 16th Annual Conference of the Swiss Association of Scientific Radiation Oncology (SASRO), Winterthur, Switzerland
- July 2012: Varian Oncology Information System training, Winterthur, Switzerland
- September 2012: 3rd Romanian Conference of Medical Physicists, Sibiu, Romania
- December 2012: International Conference on Radiation Protection in Medicine – Setting the Scene for the Next Decade, IAEA-WHO, Bonn, Germany
- December 2012: Basic Security course, United Nations Department of Safety and Security
- April 2013: Physics course: Challenges of dose verification for new techniques and technologies in external x-ray beam radiotherapy, Geneva, Switzerland
- April 2013: 2nd ESTRO Forum, Geneva, Switzerland
- May 2013: Virtual Symposium on Radiation Safety in Computed Tomography, University of California, San Francisco, USA
- June 2013: ACCIRAD European workshop, Poznan, Poland
- July 2013: EFOMP School for Medical Physics Experts, Prague, Czech Republic
- September 2013: 4th Romanian Conference of Medical Physicists, Baile Felix, Romania
- April 2014: 3rd Balkan Congress of Nuclear Medicine, Bucharest, Romania
- May 2014: ESTRO teaching course on Advanced Brachytherapy for Physicists, Brussels, Belgium
- February 2015: EUTEMPE-RX European Training and Education for Medical Physics Experts in Radiology, Prague, Czech Republic
- June 2015: Varian TrueBeam Physics & Administration course, Cham, Switzerland

- November 2015: 13th Romanian Conference of Medical Physics, Cluj Napoca, Romania
- December 2015: Emergency First Aid courses, Winterthur, Switzerland
- May 2016: Medical Dosimetry, Bucharest, Romania
- September 2016: 1st European Congress of Medical Physics, Athens, Greece
- October 2016: National Conference of Radiology and Medical Imaging, Iași, Romania
- November 2016: 14th Romanian Conference of Medical Physics, Oradea, Romania
- November 2016: Medical Dosimetry 2013/59/EURATOM, Iasi, Romania
- June 2017: 2nd International Conference on Advances in Radiation Oncology (ICARO-2), IAEA, Vienna, Austria (IAEA-INT0089)
- November 2017: 15th Romanian Conference of Medical Physics, Iasi, Romania
- December 2017: Commissioning and Implementation of Portal Dosimetry and the PDIP Algorithm, CAMPEP - Commission on Accreditation of Medical Physics Education Programs, USA
- September 2018: National Training Course on Medical Physics, 16th edition, Bucharest, Romania
- September 2019: National Training Course on Medical Physics, 17th edition, Timisoara, Romania
- October 2019: European School for Medical Physics Experts - Treatment Planning systems, EFOMP and COCIR, Warsaw, Poland
- October 2019: National Conference of Quality Management in Healthcare – AESM (Romanian Association of Medical Services Evaluators), Iasi, Romania