

## PERSONAL INFORMATION

Diana S Bogdan



📍 National Institute for Research and Development of Isotopic and Molecular Technologies INCDTIM Cluj-Napoca, Romania

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Scientific Researcher II

## WORK EXPERIENCE

01.08.2013 - present

## Scientific Researcher II

[National Research and Development Institute of Isotopic and Molecular Technologies](#) INCDTIM, 67-103 Donat Street, 400293 Cluj-Napoca, Romania

[Molecular and Biomolecular Physics Department](#)

Atomic Force Microscopy

Research and development

## EDUCATION AND TRAINING

2002-2007

## PhD in Physics / Biophysics

[Faculty of Physics](#), [Babeş-Bolyai University of Cluj-Napoca](#)

▪ Thesis: Molecular inclusion complexes, Supervisor: SR I Dr. Vasile V. Morariu

1996-1997

## MS in Physics / Atomic Physics

[Faculty of Physics](#), [Babeş-Bolyai University of Cluj-Napoca](#)

▪ Thesis: NMR in obtaining information about molecular dynamics in some organic compounds, Supervisor: Prof. Dr. Dan E Demco

1998-1999

## MS in Geology / Petrometalogeny

[Faculty of Biology and Geology](#), [Babeş-Bolyai University of Cluj-Napoca](#)

▪ Petrology, petrometalogeny

▪ Thesis: Mineralogical study of zeolites from Arieşului Valley (Apuseni Mountains), Supervisor: Prof. Dr. Ioan Bedeleian

1996-2001

## BS in Geology / Mineralogy

[Faculty of Biology and Geology](#), [Babeş-Bolyai University of Cluj-Napoca](#)

▪ Gemology

▪ Thesis: Agates and chalcedony occurrences in Transylvania, Supervisor: Prof. Dr. Corina Ionescu

1991-1996

## BS in Physics / Technological Physics

[Faculty of Physics](#), [Babeş-Bolyai University of Cluj-Napoca](#)

▪ Thesis: Applications of stable isotopes  $^{13}\text{C}$  and  $^{18}\text{O}$  in geology / geochemistry, Supervisors: Prof. Dr. Constantin Cosma (UBB) and SR II Dr. Stela Maria Cuna (ITIM)

1987-1991

## Baccalaureate

[Colegiul Național Gheorghe Sincai Baia Mare](#), Maramureş

## Fellowships, grants

2009

## Bourse de séjour scientifique

F.R.S.-FNRS Fonds de la Recherche Scientifique, FRFC project 2.4.505.09F

Université Catholique de Louvain, Faculté des Sciences Appliquées, Louvain-la-Neuve, Belgium

Electrical and thermal properties of molecules adsorbed on metallic surfaces probed by scanning tunneling microscopy and spectroscopy (STM/STS), Atomic force microscopy (AFM), Micro/nanofabrication ([Winfab](#))

- 2007 **NATO grant: International School of Structural Biological Magnetic Resonance**  
Stanford University School of Medicine, California, and Ettore Majorana Center for Scientific Culture  
8<sup>th</sup> course: [Biophysics and the Challenges of Emerging Threats](#), Erice, Italy
- 2007 **EBSA grant: European Biophysics Congress, London 2007**  
European Biophysical Societies' Association, Imperial College London, UK  
[EBSA Young Biophysicists Satellite Meeting](#), Warwick University and Imperial College EPSRC Life Sciences Interface Doctoral Training Centres
- 2007 **SRBPA grant: [International Autumn School Biophysics for Medicine](#). Principles, applications, perspectives**  
Romanian Society of Pure and Applied Biophysics [RSPAB](#), Romanian Cultural Institute [ICR](#), International Union of Pure and Applied Biophysics [IUPAB](#) and Bioelectrochemical Society [BES](#), Mangalia, Romania
- 2005 **Marie Curie Fellowship**  
EU-project number FN6636 EG HPMP-CT-2000-000185 NMR  
Radboud University, Faculty of Science, [Biophysical Chemistry](#) – Physical Chemistry Department, Nijmegen, The Netherlands  
Liquid state NMR Spectroscopy: biological NMR applications, protein structure determination and dynamics investigation in complex with SDS micelles and using residual dipolar couplings (RDCs)
- 2005 **BNRA course – [Advanced NMR Spectroscopy](#)**  
Bijvoet – NSR Research Alliance BNRA Nijmegen – Utrecht, Bijvoet Center for Biomolecular Research, Utrecht Physical Chemistry – Biophysical Chemistry Department, Radboud University Nijmegen, The Netherlands
- 2005 **European Magnetic Resonance EUOMAR / EENC Conference: Magnetic Resonance for the Future, Workshop: Alignment and validation**  
EENC, Groupement Ampère, British NMR Discussion Group UK NMR-DG, Veldhoven, The Netherlands
- 2003 **NATO grant: [International School of Structural Biological Magnetic Resonance](#)**  
Stanford University School of Medicine, California, and Ettore Majorana Center for Scientific Culture,  
6<sup>th</sup> course: *Structure, Dynamics and Function of Biological Macromolecules and Assemblies*, Erice, Italy

## Workshops, trainings

- 2017 **Theoretical and practical training in technological transfer, innovation management and entrepreneurship**  
GEA Strategy & Consulting SA
- 2013 **[REQUIMTE AFM Workshop 2013](#)**  
Department of Chemistry and Biochemistry, Faculty of Sciences of the University of Porto, Portugal
- 2013 **English Communications courses and Public Relations Assistant courses**  
IRECSON, Bucharest, MITT – ReNITT POSDRU/81/3.2/S/48531 project

## PERSONAL SKILLS

Mother tongue	Romanian				
Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Portuguese	B1	C1	B1	B1	C1

Organisational / Communication skills Member in organizing committees of (inter)national conferences and events [PIM 2013](#); [PIM 2011](#); [PIM 2009](#); [PIM 2007](#) and information / publicity responsible for projects co-funded by the European Union and implemented at INCDTIM: [TTC-ITIM](#) 40-404/SMIS 105533 2016-2021, [HTPHARMA](#) 536/SMIS 12011 2010-2013, [MDFMOLBIO](#) Program Național Capacități 2008-2012

*Co-Editor* of *J Phys: Conf Ser* 182(1), 2009

Digital competence Office, LaTeX, vector graphics (Adobe Illustrator), chemical structure (ChemWindow, Mercury CCDC), plotting tools (Xmgrace, Origin), SPM software (Gwyddion, SPIP, IgorPro)

Other skills trekking, hiking  
Driving licence B

#### ADDITIONAL INFORMATION

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- Projects
- Project director CNCISIS / A<sub>T</sub> / 126 / 2003 *Spectroscopic characterization and molecular modeling of alkylparabens:cyclodextrins molecular inclusion complexes / Complexarea prin incluziune moleculară a parabenelor cu ciclodextrine; caracterizare spectroscopică și modelare moleculară* 3357/ 01.07.2003 (2002-2004)
  - Project director CNCISIS / B<sub>D</sub> / 220 / 2003 *Molecular inclusion complexes / Complecși moleculari de incluziune / research grant (2002-2004)*

Member in research / management team

PN-III-P1-1.2-PCCDI-2017-0010 [TEHNOBIO MED](#) 74PCCDI/2018 (2018-2020)  
PN-III-P1-1.2-PCCDI-2017-0387 [EMERG2IND](#) 80PCCDI/2018 (2018-2020)  
POC 2014-2020 ID 40\_404 SMIS 105533 [TTC-ITIM](#) 18/2016 (2016-2021)  
PN-II-PT-PCCA-2013-4-1374 [NANOFAB](#) 237/2014 (2014-2017)  
PN-II-PT-PCCA-2011-3.1-0402 [HINANODET](#) 98/2012 (2012-2016)  
PN-II-PT-PCCA-2011-3.1-0682 [OPEN RES](#) 212/2012 (2012-2016)  
PN-II-ID-PCCE-2011-2-0027 [BIOSENS](#) (2012-2016)  
PN-II-PT-PCCA-2011-3.2-0210 [PETOP](#) 169/2012 (2012-2016)  
PN-II-PT-PCCA-2011-3.2-1419 [GIODENT](#) 189/2012 (2012-2015)  
POS CCE 2007-2013 ID 536 SMIS 12011 [HT-PHARMA](#) 234/16.08.2010 (2010-2014)  
PN-II-ID-PCE-2008-2 [ID 875](#) 519/2009 (2009-2011)  
PROGRAM NUCLEU PN PN 09-44 01 01 (2009-2011)  
PN Capacități 2PM/I/2008 [MDFMOLBIO](#) 99/2008 (2008-2012)  
CEEX-M1-C2-1967 [MATNANTECH](#) 58/2006 (2006-2008)  
CEEX PC-D11-PT00-147 [NT-SSNMR](#) (2005-2008)  
CEEX PC-D01-PT15-137 [CALIMED](#) (2005-2008)  
CERES 4-138/2004 (2004-2006)  
CERES 4-166/2004 (2004-2006)  
CERES 4-36/2004 (2004-2006)  
PROGRAM NUCLEU PN 03-29 02.01 (2003-2005)  
CNCISIS A 430/2003 (2002-2004)  
BIOTECH 01-8-CPD-041 (2001-2004)

Date: 27.02.2020

Dr. Diana Bogdan