

PERSONAL INFORMATION

Surname Giannouli
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RESEARCH/WORKING EXPERIENCE

Current Positions

2025-Present **Assistant Professor**
School of Sciences and Engineering, Department of
Chemistry, University of Crete, Greece

2024-Present **External Collaborator**
Faculty of Chemistry, Department of Chemical and
Biological Physics, Weizmann, Institute of Science, Israel

Previous Appointments

2024 **Visiting Scientist**, Bioenergetics and Protein Engineering
(BIP), French National Centre for Scientific Research
(CNRS), Aix-Marseille University, France
Funded by the Molecular-Scale Biophysics Research
Infrastructure (MOSBRI) Fellowship under the EU Horizon
2020 program

2022-2024 **Assistant Staff Scientist, *tenure track position***,
Faculty of Chemistry, Department of Chemical and
Biological Physics, Weizmann Institute of Science, Israel
Prof. Lucio Frydman Lab

2023 **Visiting Scientist**, National High Magnetic Field
Laboratory, Florida State University (FSU), USA
Funded by FSU Fellowship

2020-2022 **Senior Postdoctoral Fellow**, Faculty of Chemistry,
Department of Chemical and Biological Physics, Weizmann,
Institute of Science, Israel
Funded by the Koshland and Senior Postdoctoral Fellowships
Prof. Daniella Goldfarb Lab

2017-2020 **Postdoctoral Fellow**, Faculty of Chemistry, Department of
Chemical and Biological Physics, Weizmann, Institute of
Science, Israel

Angeliki Giannouli, PhD, MRSC

Funded by the Dean of Faculty Fellowship
Prof. Daniella Goldfarb Lab

- 2020** **Visiting Scientist**, School of Physics and Astronomy, University of St Andrews, UK
- 2016** **Visiting Researcher**, Institute of Physical and Theoretical Chemistry, Goethe University, Germany
Funded by the Integrated Magnetic Resonance Centre for Doctoral Training (iMR-CDT)
- 2015** **Visiting Researcher**, Institute of Physical and Theoretical Chemistry, Goethe University, Germany
Funded by the German Academic Exchange Service (DAAD)

EDUCATION

- 2012-2016** **PhD in Chemistry**, School of Chemistry, University of St Andrews, Scotland, UK
Thesis Title: 'Challenges in Pulsed Dipolar EPR – Metal Ions, Exchange Coupling and Multiple Spins'
Dr. Bela E. Bode Lab
- 2010-2012** **MSc in Bioinorganic Chemistry**, Integrated Master's Program, Departments of Chemistry and Chemical Engineering, Aristotle University of Thessaloniki, University of Patras and University of Ioannina, Greece
Degree: **9.60/10**
- 2006-2010** **BSc in Chemistry**, Department of Chemistry, University of Ioannina, Greece
Degree: **8.19/10**, Graduated with **Oath declaration in the Faculty of Sciences**

AWARDS

- 2020** 'Outstanding Achievements in Postdoctoral Research' Award, Feinberg Graduate School, Weizmann Institute of Science, Israel
- 2020** 'Albert-Overhauser' Award, German Chemical Society, Division of Magnetic Resonance, Germany
- 2019** Poster award, EUROISMAR Conference, Berlin, Germany
- 2018** Poster award, EUROMAR Conference, Nantes, France

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2018	Seal of Excellence Award, Marie Skłodowska-Curie Actions, (score: 90.8/100)
2018	Poster award, The Royal Society of Chemistry - Electron Spin Resonance (RSC-ESR), London, UK
2010	Best Degree in Chemistry Award, State Scholarships Foundation (IKY), Greece (GPA: 8.19/10 , Very Good)
2006-2009	Academic Excellence in Chemistry Award, awarded annually throughout undergraduate studies, State Scholarships Foundation (IKY), Greece

FELLOWSHIPS

2024	Molecular-Scale Biophysics Research Infrastructure (MOSBRI) Fellowship for scientific visit at the Bioenergetics and Protein Engineering (BIP) Lab - CNRS, Aix-Marseille University, France
2023	Florida State University Fellowship for scientific visit at the National High Magnetic Field Laboratory, Florida State University, USA
2019-2021	Competitive Senior Postdoctoral Fellowship, Weizmann Institute of Science; Full funding for a two-year stipend and travel
2018-2020	Competitive Dean of Faculty Fellowship, Weizmann Institute of Science; Full funding for a two-year stipend and travel
2012-2016	Competitive Fellowship in Integrated Magnetic Resonance - Centre for Doctoral Training (iMR-CDT), University of Warwick; Full funding for PhD stipend, travel, and research consumables
2016	International EPR Society (IES) Scholarship for attending the Asia-Pacific EPR/ESR Symposium

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2016	iMR-CDT Fellowship for scientific visit at the Institute of Physical and Theoretical Chemistry, Goethe University, Germany
2015	DAAD Fellowship for scientific visit at the Institute of Physical and Theoretical Chemistry, Goethe University, Germany
2014	University of St Andrews Scholarship for attending the RSC-ESR Conference
2013	EUROMAR Scholarship for attending the EUROMAR conference
2010	Best degree in Chemistry Fellowship from the State Scholarships Foundation (IKY), Greece
2007-2009	Annual Award for Academic Excellence, State Scholarships Foundation (IKY), Greece Awarded annually during undergraduate studies

TEACHING ACTIVITIES

2025	Lecturer, Biochemistry Lab (XHM-501), School of Sciences and Engineering, Department of Chemistry, University of Crete, Greece
2024	Lecturer of University Courses (Online), Athens, Greece
2022-2024	Supervisor of undergraduate, MSc and Postdoctoral researchers, Faculty of Chemistry, Department of Chemical and Biological Physics, Weizmann, Institute of Science, Israel
05-09/2023	Mentor, Kupcinet-Getz International Summer Program, Feinberg Graduate School, Weizmann Institute of Science, Israel
2017-2019	Co-supervisor of MSc students, Faculty of Chemistry, Department of Chemical and Biological Physics, Weizmann, Institute of Science, Israel
2014-2016	Co-supervisor of BSc and MSc students, School of Chemistry, University of St Andrews, Scotland, UK

Angeliki Giannouli, PhD, MRSC

10-12/2013	Demonstrator, CH2501 Inorganic Chemistry 2, School of Chemistry, University of St Andrews, Scotland, UK
04-05/2012	Demonstrator, CH3441 Mini Chemistry Project Lab Course, School of Chemistry, University of St Andrews, Scotland, UK
02-07/2012	Demonstrator, Inorganic Chemistry Laboratory II, Department of Chemistry, University of Ioannina, Greece
2011-2012	Co-supervisor of BSc student, Department of Chemistry, University of Ioannina, Greece

SCIENTIFIC INVOLVEMENTS

Grants Reviewer Sapienza University of Rome, Department of Chemistry (2025-present)

IKY Accredited Examiner (2025-present)

Organizer 'Young Investigators in Magnetic Resonances' International Workshop, Konstanz, Germany (2023)
<https://www.younginvestigatorsmagneticresonances.com/>

Co-organizer '12th Eurasia Conference on Chemical Sciences', Corfu, Greece (2012)

Editor *Magnetochemistry* (2021-2023, IF: 3.336, ISSN 2312-7481)
https://www.mdpi.com/journal/magnetochemistry/special_issues/EPR_spectroscopy_chemistry_biology

Reviewer Peer-reviewed journals including *Science Advances*, *Journal of the American Chemical Society (JACS)*, *Bio-Protocol*, *Physical Chemistry Chemical Physics (PCCP)*, *Molecules*, *Membranes*, *Magnetochemistry*, *Pharmaceuticals*, *Applied Magnetic Resonance*

Member

- Royal Society of Chemistry (RSC)
- European Chemical Society (EuChemS)
- Biochemical Society
- Federation of European Biochemical Societies (FEBS)
- European Biophysical Societies' Association (EBSA)
- Hellenic Crystallographic Association (HeCrA)
- Association of Greek Chemists (EEX)
- International EPR Society (IES)

Angeliki Giannouli, PhD, MRSC

Languages English (fluent), French (intermediate), Hebrew (intermediate), Greek (native)

WORKSHOPS/COURSES/SCHOOLS

- 2023** 5th G-NMR School on NMR spectroscopy, University of Düsseldorf, Germany
- 2023** Laboratory Animal Handling (Certified by the American Association for Laboratory Animal Science - AALAS), Weizmann Institute of Science, Israel
- 2018** European Molecular Biology Organization (EMBO) Leadership Workshop, Weizmann Institute of Science, Israel
- 2011** Erasmus Program in Bioinorganic Chemistry (ChemBioMeme), University of Crete, Greece
- 2010** Research Placement, LaFarge, Euboea, Greece
- 2009** Erasmus Program in Advanced Catalysis and Organometallic Chemistry (ACAOC), University of Camerino, Italy

COLLABORATIONS

- **Department of Chemical and Biological Physics, EPR Spectroscopy Lab**, Weizmann Institute of Science, Israel (Prof. Daniella Goldfarb)
- **Frederick National Laboratory for Cancer Research**, Maryland, USA (Prof. Andrew Stephen, Dr. Que Van)
- **Department of Chemical and Biological Physics, NMR/DNP/MRI Spectroscopy Labs**, Weizmann Institute of Science, Israel (Prof. Lucio Frydman)
- **Department of Chemistry**, University of St Andrews, Scotland, UK (Dr. Bela E. Bode)
- **Bioenergetics and Protein Engineering**, French National Centre for Scientific Research (CNRS), France (Prof. Valerie Belle, Prof. Elisabetta Mileo)

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- **National High Magnetic Field Laboratory**, Florida, USA (Dr. Sungsool Wi, Dr. Thierry Dubroca, Dr. Tomas Orlando, NMR/DNP of small molecules and proteins in high magnetic fields)
- **Department of Life Sciences Core Facilities** (protein expression, purification and analysis units), Weizmann Institute of Science, Israel (Dr. Tamar Unger, Dr. Shira Albeck, Dr. Yoav Peleg)
- **College of Chemistry**, Nankai University, China (Prof. Xun-Cheng Su, paramagnetic protein NMR lab)
- **School of Biological Sciences**, University of Manchester, UK (Dr. Christos Pliotas, EPR lab, cryo-EM, X-ray protein studies)
- **Department of Materials Science and Engineering**, University of Crete, Greece (Assoc. Prof. Kelly Velonia)
- **Institute of Technology and Research (FORTH)**, Greece (Prof. Dimitris Vlassopoulos, Dr. Antje Larsen)
- **Department of Chemical Research Support**, Weizmann Institute of Science, Israel (Dr. Raanan Carmieli, Dr. Yoav Barak)
- **Department of Chemistry**, Ben-Gurion University of the Negev, Israel (Assoc. Prof. Barak Akabayov, Pharmaceutical Chemistry Lab)
- **Division of Chemical Biology**, Australian National University, Australia (Prof. Gottfried Otting, paramagnetic protein NMR lab)

PARTICIPATION IN CONFERENCES AND METTINGS

Oral Presentations

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|----------------|--|
| 06/2025 | Molecular-Scale Biophysics Research Infrastructure (MOSBRI) Conference, Institut Pasteur, France, <i>Dynamic Equilibrium of a Bacterial Chaperone: Cellular Factors Promote the Closed Conformation</i> , Invited speaker |
| 09/2024 | MOSBRI Workshop, Marseille, France, <i>Intracellular Dynamics of Hsp90: Shifting the Conformational Equilibrium to a Closed State</i> , Invited speaker |
| 06/2024 | French National Centre for Scientific Research (CNRS), Marseille, France, <i>Hsp90: Structural Dynamics from Lab Bench to Living Cells</i> , Invited speaker |
| 06/2024 | Institute of Radical Chemistry, Aix Marseille University, France, <i>Magnetic Marvels: EPR and DNP in Chemistry</i> , Invited speaker |

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- 04/2024** University of Crete, Crete, Greece, *Magnetic Resonance Techniques - A Window to Chemical and Biological Systems*, **Invited speaker**
- 12/2023** National Hellenic Research Foundation, Athens, Greece, *In Vitro and In Cellulo Structural Insights on the Molecular Chaperone Hsp90 via EPR*, **Invited speaker**
- 12/2023** 73rd Hellenic Society of Biochemistry and Molecular Biology (EEBMB), Athens, Greece, *In Vitro and In Cellulo Structural Insights on the Molecular Chaperone Hsp90 via EPR*
- 09/2023** Hyperpolarization Meeting (HYP23), Leipzig, Germany, *Cryogenic and Dissolution DNP on γ -Irradiated and Impregnated Powder Samples*
- 07/2022** EUROMAR2022, Utrecht, Netherlands, *The C-Terminal Domains of Hsp90 In Vitro and In Cells*
- 12/2021** Institute of Nanoscience and Nanotechnology, NCSR Demokritos (via Zoom), Athens, Greece, *What Electron Paramagnetic Resonance Taught Us (So Far) on the Molecular Chaperone Hsp90*, **Invited speaker**
- 09/2021** 42nd Annual Discussion Meeting of the German Chemical Society, Division of Magnetic Resonance Spectroscopy (via Zoom), Bonn, Germany, *Two Closed ATP- and ADP-Dependent Conformations in Yeast Hsp90 Chaperone Detected by Mn(II) EPR Spectroscopic Techniques*, **Prize Lecture**
- 08/2021** ISMAR/APNMR/NMRSJ/SEST2021 Conference (via Zoom), Osaka, Japan, *In Vitro and In Cell Hsp90 Conformations Combining Mn(II), Gd(III) and Nitroxide Labels*
- 03/2020** International EPR Society (IES) Meeting (via Zoom), *Mn(II) EPR Studies on Hsp90 (DEER and ENDOR)*, **Invited speaker**
- 09/2019** European Federation of EPR (EF-EPR), Bratislava, Slovakia, *Mn(II) EPR Tracks Two 'Closed' ATP, ADP-Dependent Conformations in Yeast Hsp90 Chaperone*
- 02/2019** Magnetic Resonance Seminars, Weizmann Institute of Science, Rehovot, Israel, *Mn(II) EPR Tracks the Hydrolysis State and ATP/ADP Dependent Conformation in Yeast Hsp90 Chaperone*, **Invited speaker**

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- 08/2016** Asia-Pacific EPR Symposium (APES), Irkutsk, Russia, *Pulsed Dipolar EPR on Cu(II) and Co(II) Ions*
- 08/2016** University of Strathclyde Inorganic Chemistry (USIC) Conference 2016, Glasgow, Scotland, *Terpyridine Binding to 3d Metals Studied by EPR*
- 03/2016** iMR-CDT Conference, Southampton, England, UK, *Pulsed EPR on Cu(II), Co(II) Ions and Nitroxide Biradicals*, **Invited speaker**
- 03/2016** Biomedical Sciences Research Complex (BSRC), University of St Andrews, Scotland, UK, *Pulsed EPR Distance Measurements*, **Invited speaker**
- 06/2015** Centre of Magnetic Resonance (CMR) Meeting, University of St Andrews, UK, Scotland, *Spin 1/2 Transition Metal Ions in PELDOR Spectroscopy*, **Invited speaker**
- 05/2015** Biomolecular Sciences Research Complex (BSRC) Seminars at the University of St Andrews, St Andrews, Scotland, *PELDOR Spectroscopy on Transition Metal Ions*, **Invited speaker**
- 04/2015** iMR-CDT Conference, Warwick, England, UK, *Spin 1/2 Transition Metal Ions in PELDOR Spectroscopy*, **Invited speaker**
- 03/2015** Royal Society of Chemistry (RSC) ESR Conference, Southampton, England, UK, *Spin 1/2 Transition Metal Ions in PELDOR Spectroscopy*
- 12/2014** iMR-CDT Seminar, Warwick, England, *Pulsed EPR on Cobalt(II) and Copper(II) Ions*, **Invited speaker**
- 08/2014** Biomedical Sciences Research Complex (BSRC) Retreat, Fribush, Scotland, *Metal(II)-(Bis)Nitroxide Systems PELDOR Study*
- 08/2013** Biomedical Sciences Research Complex (BSRC) Retreat, Fribush, Scotland, UK, *Metal Ion Based PELDOR*

Poster Presentations (as presenter)

- 09/2023** Young Investigators in Magnetic Resonances (YIMRs) International Workshop, Konstanz, Germany
- 07/2022** EUROMAR 2022, Utrecht, Netherlands

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- 08/2019** Joint Conference of ISMAR, EUROMAR, and GDCh FGMR (EUROISMAR), Berlin, Germany, **Poster Prize**
- 110/2018** International Society for Magnetic Resonance in Medicine (IMRSM), Bar Ilan University, Israel
- 07/2018** EUROMAR 2018, Nantes, France, **Poster Prize**
- 07/2018** Women in Chemistry Israel (WICI) 2018, Tel Aviv, Israel
- 04/2018** RSC ESR 2018 Conference, London, England, **Poster Prize**
- 06/2016** Centre of Magnetic Resonance (CMR) Meeting, St Andrews, Scotland, UK
- 09/2014** European Federation of EPR (EF-EPR) 2014, Marseille, France
- 04/2014** Center of Magnetic Resonance (CMR) Meeting, St Andrews, Scotland, UK
- 04/2014** iMR-CDT Research Conference, Dundee, Scotland, UK
- 04/2014** Royal Society of Chemistry (RSC) ESR Conference, Dundee, Scotland, UK
- 07/2013** EUROMAR 2013, Hersonissos, Crete, Greece
- 06/2013** Center of Magnetic Resonance (CMR) Meeting, St Andrews, Scotland, UK
- 04/2012** 12th Eurasia Conference on Chemical Sciences, Corfu, Greece
- 04/2011** 12th Conference of Medicinal Chemistry, University of Patras, Greece

Links for the publications

Google Scholar: <https://scholar.google.com/citations?hl=en&user=CbUnYEoAAAAJ>

ORCID: <https://orcid.org/0000-0001-8017-5457>

ResearchGate: <https://www.researchgate.net/profile/Angeliki-Giannoulis>

Linked in: <https://www.linkedin.com/in/angeliki-giannoulis-23b54a222/>