PERSONAL INFORMATION

María Jesús Morán Plata
Date and Place of Birth: 04/04/1993, Cáceres (Spain)
ORCID: 0000-0002-4127-8194

ACCOUNT: I am a motivated and enthusiastic researcher with proven experience in **organic and inorganic synthesis**, as well as photo- and bio-**catalysis**. Collaborating with researcher worldwide afforded me the chance to participate in several highly **competitive projects**, honing my skills as a **team leader** and enhancing my proficiency in **management**.

PROFESSIONAL EXPERIENCE

01/01/2025–Present **Atracción de Talento César Nombela Researcher**; Univ. Rey Juan Carlos (Madrid) (Spain) "Photoactivatable metal-based anticancer agents for targeted photo-induced therapy".

20/09/2023–30/11/2024 **Postdoctoral Research Fellow**; Donostia International Physics Center (DIPC) (Spain) "Synthesis of metallodrugs with potential antiviral and anticancer activity".

20/09/2021–19/09/2023 **MSCA-IF Postdoctoral Fellow**; Donostia International Physics Center (DIPC) (Spain): "Catalysis toward platinum substrates for drug delivery" -DELCAT project.

01/07/2020–30/06/2021 **Postdoctoral Research Fellow**; Department of Chemistry, University of Turin (Italy): Synthesis and characterization of functionalised organic emitters for application in BIO-WLED". EU-funded ARTIBLED FET project.

15/11/2019–14/05/2020 **Research Assistant (6 months)**; Department of Drug Science and Technology, University of Turin (Italy): "Cocoa husk and shell valorization".

EDUCATION

14/11/2016–24/02/2020 **PhD. in Pharmaceutical and Molecular Science**; Department of Drug Science and Tecnology, University of Turin (Italy): "Combining ultrasound and microwaves in chemical processes". COSMIC EU MSCA-ETN

07/09/2015–04/07/2016 **Interuniversitary MSc in Sustainable Chemistry cum laude**; Universities of Extremadura, Castilla la Mancha, Jaume I de Castellón y Politécnica de Valencia (Spain).

05/09/2011–16/07/2015 **BSc in Chemistry**; University of Extremadura (Spain).

RESEARCH EXPEDITIONS

08/04/2019–08/07/2019 **ARKEMA Centre de Recherche Rhône Alpes**, Lyon (France): "*Cavitation for industrial processes*", PhD student (3 months).

29/10/2018–30/11/2018 **MEAM Test Center**, Houthalen-Helchteren (Belgium): "*Development of reactor design and* reactions *testing*", PhD student (1 month).

10/01/2018–25/05/2018 **Group of Process Engineering for Sustainable Systems Section**, University of KU Leuven (Belgium): "*Testing of model reactions under different reactors*", PhD student (5 month).

16/07/2016–16/09/2016 **Institute of Biomedical and Environmental Health Research,** University of University of the West of Scotland (UK): "*Synthesis and characterization of diketopyrrolopyrroles (DPPs), one of the most recently discovered groups of organic pigments*", Master student (2 month).

PARTICIPATION IN INDUSTRIAL INNOVATION

During my PhD I had the chance to spend 3 months of my PhD in **ARKEMA Centre de Recherche Rhône Alpes** (www.arkema.com), Lyon (France), working on one of their projects: Ultrasound-assisted oxidative cleavage of C-C double bonds in presence of hydrogen peroxide (H_2O_2). ARKEMA is one of the world's leading producers of H_2O_2 since 1953. Moreover, I also had the occasion to spend 1 month in **MEAM Test Center** (meam.be) (Belgium). This industrial centre uses microwave technology in food applications (drying, sterilisation, pasteurization, tempering, defrosting) and other processes (deformation, granulation, regeneration of different materials such as textile, leather, ceramics, plastic, wood and rubbers). These experiences gave me the opportunity to be involved in diverse innovation projects that moved me closer to industry-related research.

SKILLS

Technical skills

Organic and Inorganic synthesis techniques, including handling of air and moisture sensitive materials under vacuum, Schlenk and glovebox techniques.
Nanoparticle synthesis and characterization (TEM, TGA, XRD, Z-potential analyzer).
Characterization techniques: NMR, IR, UV-Visible, Fluorescence, Light Scattering, Mass Spectrometry (ESI-MS, MALDI), cyclic voltammetry and chromatographic techniques (HPLC, GC).
Enabling technologies (microwave and ultrasounds) for efficient production and grafting of nanomaterials.

Soft skills

Communication capabilities, in particular oral presentations.
Teamwork. Assiduous collaboration and exchange of ideas with colleagues with different projects.
Perseverance. High capacity to deal with punctually frustrating situations and results.
Flexibility. High adaptation capabilities to changing situation and environments.
Ease to adapt to work environments with people from different cultures and learn new languages.
High ethical standard for results and methodology employed at work.

Other skills

Languages Spanish (native speaker), English (C1), Italian (C1) and French (basic).
Computing Windows, OS; Advanced use of Microsoft Word, PowerPoint and Excel; Online bibliographic searching and reference manager software (Reaxys, Scifinder, ISI Web of Knowledge, PubMed, EndNote, Mendeley); software for elaboration of data (Origin).

1. PUBLICATIONS

1. "Alloxazine-Based Ligands and Their Ruthenium Complexes as NADH Oxidation Catalysts and G4 Binders", **M. J. Moran Plata**, L. Marretta, L. Gaztelumendi, G. E. Pieslinger, R. R. Carballo, E. Rezabal, G. Barone, V. Martínez-Martínez, A. Terenzi, L Salassa, *Inorganic Chemistry*, **2024**, *63*, 16362-16373, https://doi.org/10.1021/acs.inorgchem.4c02314

2. "*Chemoenzymatic oxidation of diols catalyzed by co-immobilized flavins and dehydrogenases"*, S. F. Castillo Pacheco, **M. J. Moran***, J. I. Santos, L. Salassa and F. López-Gallego, *ChemCatChem*, e202300140, **2023,** https://doi.org/10.26434/chemrxiv-2023-05pvx (IF: 5.686)

3. "*Quatsomes loaded with squaraine dye as an effective photo-sensitizer for Photodynamic Therapy"*, N. Bordignon, M. Köber, G. Chinigò, C. Pontremoli, E. Sansone, G. Vargas-Nadal, **M. J. Moran Plata**, A. Fiorio Pla, N. Barbero, J. Morla-Folch, N. Ventosa, *Pharmaceutics*, **2023,** *15*, 902, https://doi.org/10.3390/pharmaceutics15030902 (IF: 6.071)

4. "*Photosensitizers for photodynamic therapy: Structure-activity analysis of cyanine dyes through Design of Experiments*", C. Pontremoli , G. Chinigo, S. Galliano, **M.J. Moran Plata**, D.M. Dereje, E. Sansone, A. Gilardino, C. Barolo, A. Fiorio Pla, S. Visentin, N. Barbero, *Dyes and Pigments*, **2023,** *210*, https://doi.org/10.1016/j.dyepig.2022.111047 (IF: 4.66)

5. "*Unconventional and sustainable syntheses of polymethine dyes. Critical overview and perspectives within the framework of the twelve principles of green chemistry"*, A. Antenucci, S. Nejrotti, **M. J. Moran Plata**, N. Mariotti, N. Barbero, *EurJOC*, **2022,** e202200943, doi: 10.1002/ejoc.202200943 (IF: 3.261).

6. "*Squaraine dyes as fluorescent turn-on probes for mucins: a step toward specificity*" C. Butnarasu, C. Pontremoli, **M. J. Moran Plata**, N. Barbero, S. Visentin, *Photochem. Photobiol.*, **2023**, *99*, 562-569, doi: 10.1111/php.13722 (IF: 3.521).

7. "*Copper-catalyzed continuous-flow transfer hydrogenation of nitroarenes to anilines: a scalable and reliable protocol*", **M. J. Moran**, K. Martina, M. Manzoli, M. Trukan, S. Kuhn, T. Van Gerven, G. Cravotto, *Org. Process Res. Dev*, **2023,** doi: 10.1021/acs.oprd.3c00144 (IF: 3.858)

8. "*Polymethine dyes for PDT: recent advances and perspectives to drive future applications"*, D. M. Dereje, C. Pontremoli, **M. J. Moran**, S. Visentin, N. Barbero, *Photochem. Photobiol. Sci.*, **2022**, doi: /10.1007/s43630-022-00175-6 (IF: 3.240).

9. "*Copper(0) nanoparticles catalyzed Z-Selective Transfer Semihydrogenation of Internal Alkynes"*, **M. J. Moran**, K. Martina, V. Bieliunas, F. Baricco, S. Tagliapietra, G. Berlier, W. M. De Borggraeve, G. Cravotto, *Adv. Synth. Catal.*, **2021,** *363*, 2850-2860 doi: 10.1002/adsc.202100126 (IF: 5.851).

10. "Sonomecanochemistry" G. Cravotto, K. Martina, **M. J. Moran**, P. Cintas, *Nontraditional Activation Methods in Green & Sustainable Applications*, *Elsevier Inc*, **2021,** *ISBN: 978-0-12-819009-8*, doi: 10.1016/B978-0-12-819009-8.00016-5.

11. "*Tuneable copper catalysed transfer hydrogenation of nitrobenzenes to aniline or azo derivatives*", **M. J. Moran**, K. Martina, F. Baricco, S. Tagliapietra, M. Manzoli, G. Cravotto, *Adv. Synth. Catal.*, **2020**, *362*, doi:10.1002/adsc.202000127 (IF: 5.851).

12. "*Glycerol: An Optimal Hydrogen Source for Microwave-Promoted Cu-Catalyzed Transfer Hydrogenation of Nitrobenzene to Aniline*", **M. J. Moran**, K. Martina, G. D. Stefanidis, J. Jordens, T. V. Gerven, V. Goovaerts, M. Manzoli, C. Groffils, G. Cravotto, Front. Chem., **2020**, 8, 34, doi:10.3389/fchem.2020.00034 (IF: 3.994).

13. "*Sonochemically-Promoted Preparation of Silica-Anchored Cyclodextrin Derivatives for Efficient Copper Catalysis*", K. Martina, F. Calsolaro, A. Zuliani, G. Berlier, F. Chavez-Rivas, **M. J. Moran**, R. Luque, G. Cravotto, Molecules, **2019**, *24*, 2490, doi: 10.3390/molecules24132490 (IF: 3.267).

14. "*Highly efficient nitrobenzene and alkyl/aryl azide reduction in stainless steel jars without catalyst addition*", K. Martina, F. Baricco, S. Tagliapietra, **M. J. Moran Plata**, G. Cravotto and P. Cintas, *New J. Chem.*, **2018**, *42*, 18881-18888, doi: 10.1039/C8NJ04240C (IF: 3.288).

2. CONTRIBUTIONS TO CONFERENCES, SUMMER SCHOOLS AND WORKSHOPS

Oral presentations

1. **9th EuChemS Chemistry Congress (ECC9).** "Development of Flavo-Metallodrugs for Application in Medicinal Inorganic Chemistry" M. J. Morán Plata, L. Gaztelumendi, G. E. Pieslinger, L. Salassa; Dublin, Ireland, 07-11 July 2024.
2. **9th Symposium on Theoretical Biophysics (TheoBio2023).** "*Photoresponsive and biocompatible polyol for platinum-based chemotherapy*" M.J. Moran Plata, M. Costa, L. Salassa; Cetraro, Italy, 16-20 July 2023.
3. **Second International Conference on Unconventional Catalysis, Reactors and Applications** (**UCRA 2022**). "Hydrogel-based photocatalytic device for the localized delivery of platinum anticancer drugs", M.J. Moran Plata, M. Costa, L. Salassa; Warwickshire (UK), 21-23 September 2022.
4. **XII Reunión Científica de Bioinorgánica (BioMadrid2022).** "Assembly of platinum(IV)-based anticancer prodrugs into hydrogels for local cancer chemotherapy", M.J. Moran Plata, M. Costa, L. Salassa; Madrid, Spain, 11-13 July 2022.
5. **Gordon Research Conference on Metals in Medicine.** "Biocompatible hydrogels for platinum-based chemotherapy" M.J. Moran Plata, M. Costa, L. Salassa; Andover, New Hampshire, United States, 26 June 2022 – 01 July 2022.

6. **School of Physical Chemistry 2021.** "Squaraine dyes as fluorescent turn-on probes for the detection of proteins" C. Pontremoli, C. Butnarasu, M.J. Moran Plata, D.M. Dereje, C. Barolo, S. Visentin, N. Barbero; Online Conference, 15-24 June 2021.

7. **Italian Society of Photobiology: XXXII Annual Conference.** "The Effect of Substitutions on Cyanine dyes on their Photodynamic Activity" C. Pontremoli, M.J. Moran Plata, D.M. Dereje, E. Sansone, G. Chinigò, A. Fiorio Pla, S. Visentin, N. Barbero, Online Conference, 23-24 June 2021.

8. **Workshop Giornate della Green Chemistry: Ultrasound as a key modern tool for green synthesis and processing. "**Ultrasound-assisted nanocopper catalyzed transfer hydrogenation" M.J. Moran Plata, K. Martina, G. Cravotto, Online Conference, 4 May 2021.

9. **CancerTo: Nanoscience in Cancer Immunotherapy.** "*Synthesis and Characterization of Organic and Hybrid Photosensitizers for Photodynamic Therapy"* C. Pontremoli, M.J. Moran Plata, G. Chinigò, E. Sansone, D. Dereje, A. Florio Pla, C. Barolo, S. Visentin, N. Barbero, Online Conference, 9-11March 2021.

10. **CatalysisTalks.** "*Enabling technologies for the tuneable copper catalysed transfer hydrogenation of nitroarenes*" M.J. Moran Plata, K. Martina, G. Cravotto, Online Conference, 24 June 2020.

11. **First International Conference on Unconventional Catalysis, Reactors and Applications**. "*Innovative approach to the synthesis and application of nanocatalysts*" K. Martina, M.J. Moran Plata, G. Cravotto, Zaragoza (Spain) 16-18 October 2019.

12. **XXXIX Convegno Nazionale della Divisione di Chimica Organica**. "*Non-conventional technologies for copper heterogeneous catalysts production and its applications in organic synthesis*" M.J Moran Plata, F. Calsolaro, K. Martina, G. Cravotto, Turin, Italy, 8-12 September 2019.

13. "**A. CORBELLA" International Summer School on Organic Synthesis**". "*Green approaches to nitrobenzene reduction*", M.J. Moran Plata, K. Martina, G. Cravotto, Gargnano, Italy, 9-13 June 2019.

14. **II International process intensification process**. "*Green approach to copper catalyzed reduction of nitro and alkyne under hydride free condition*", M.J. Moran Plata, K. Martina, G. Cravotto, Leuven, Belgium, 27-29 May 2019.

15. **Merck & Elsevier Young Chemist Symposium 2018**. "*Copper (0) nanoparticles in glycerol: an efficient and versatile catalyst for hydride-free reduction of nitro derivatives*" M.J. Moran Plata, K. Martina, G. Cravotto, Rimini, Italy, 19-21 November 2018.

16. **Maratón de investigación Joven: II Congreso multidisciplinar de jóvenes investigadores de Extremadura**. "*Síntesis y reactividad 1,3-dipolar de una tioisomunchnona quiral derivada de la L-Valina*", M.J. Moran Plata, J.L. Jiménez Requejo, Badajoz, Spain, 7 March 2016.

Poster presentations

1. **XXXIX Reunión Bienal de la Sociedad Española de Química (Bienal23)**. "*Flavin-mediated catalysis for platinum drug delivery*" M.J. Moran Plata, M. Costa, L. Salassa; Zaragoza, Spain, 25-29 June 2023.

2. **XIII Reunión Científica de Bioinorgánica (BioGranada23).** "*Photo-controlled delivery of cisplatin catalyzed by riboflavin*" M.J. Moran Plata, M. Costa, L. Salassa; Granada, Spain, 5-7 June 2023. (Best Poster Award).

3. **International Conference on Coordination Chemistry (ICCC22).** "Photoresponsive hydrogels for localized platinum drug delivery" M.J. Moran Plata, M. Costa, L. Salassa; Rimini , Italy, 28 August – 2 September 2022.

4. **NewTimes: New Trends in Materials Science and Engeneering. 1st International Virtual Conference.** "Polymethine dyes incorporated in emissive PLGA and Albumin nanopartibles" D.M. Dereje, C. Pontremoli, C. Butnarasu, M.J. Morán Plata, C. Barolo, S. Visentin, N. Barbero, Online Conference, 14-18 June 2021.

5. **European Chemical Biology Symposium, ECBS 2021. "**Near-Infra Red Organic Photosensitizers for Photodynamic Therapy", M.J. Moran Plata, C. Pontremoli, D. Dereje, E. Sansone, G. Chinigò, A. Florio Pla, S. Visentin, N. Barbero, Online Conference, 26-28 May 2021

6. **VIII Workshop Nazionale Gruppo Interdivisionale Green Chemistry-Chimica Sostenibile (GC-CS)** "Tuneable copper catalysed transfer hydrogenation of nitroarenes" M.J. Moran Plata, K. Martina, G. Cravotto, Online Conference, 29 September 2020.

7. **VII Workshop Nazionale Gruppo Interdivisionale Green Chemistry-Chimica Sostenibile (GC-CS)** "*Combined Microwave and Ultrasound irradiation for efficient production and grafting of nanomaterials*" F. Calsolaro, K. Martina, M. J. Moran Plata, G. Berlier, G. Cravotto, Padova, Italy, 5 July 2019.

8. **III Encuentro Jóvenes Investigadores SECAT**. "*Selective hydride-free copper catalyzed reduction of aromatic nitrocompounds*", M.J. Moran Plata, K. Martina, G. Cravotto, Valencia, Spain, 25-27 June 2018.

9. **Simposio Jóvenes Investigadores de la RSEQ**. "*Copper-catalyzed C-H activation reactions under non-conventional techniques*" M.J. Moran Plata, K. Martina, G. Cravotto, Badajoz, Spain, 7-10 November 2017.

Summer Schools

4. Summer School: Ultrasound and Microwaves for Chemical Processing- Ultrasound & Microwaves Technologies. Leuven, Belgium, 4th-8th September 2017.
5. Summer School: Microondas y Química. Madrid, Spain, 10th-12th July 2017
6. VIII Workshop de Resolución estructural mediante Difracción de Rayos X. Granada, Spain, 6th-8th June 2016.

3. COURSES

PhD courses

1. "Advances in Pharmacology", Turin, Italy, 5-9 June 2017 (16 hours).
2. "Phytochemistry", Turin, Italy, 17-21 July 2017 (16 hours).
3. "Innovative Drug Delivery Systems", Turin, Italy, 18-22 September 2017 (16 hours).
4. "Drug Design", Turin, Italy, 28-31 May 2018 (16 hours).
5. "Environmental Pollution and Health", Turin, Italy, 18-20 June 2018 (16 hours).
6. "Advances in Nanotechnology", Turin, Italy, 19-24 July 2018 (16 hours).
7. "Nanomaterials design: preparation and application. Sesión Práctica: TEM, SEM, AFM, FIB", Zaragoza, Spain, 12-14 September 2018 (20 hours).

Other Courses

8. VI Jornadas Técnicas de Orientación Laboral y Estudios de Máster para las titulaciones de la Facultad de Ciencias (12 hours) (Badajoz, Spain) (04/02/2015)
9. Workshop. Alimentos funcionales: presente y futuro (3 hours) (Badajoz, Spain) (25/03/2015)
10. V Seminario: Investiga tu futuro (10 hours) (Badajoz, Spain) (16/09/2015)
11. European Researchers Night: Researcher for a better future (31 hours) (Badajoz, Spain) (25/09/2015)
12. III Jornada Desayuna con la Ciencia. Curso 2015-2016 (3 hours) (Badajoz, Spain) (04/12/2015)
13. XIV Jornada de Puertas abiertas de la UEX (6 hours) (Badajoz, Spain) (23-25/02/2016)
14. Vive la Ciencia. III Jornada de la Ciencia (8 hours) (Badajoz, Spain) (16/03/2016)
15. I Workshop Estudiar Ciencias: Creando Vocaciones Científicas (10 hours) (Badajoz, Spain) (27/04/2016)
16. V Jornada Desayuna con la Ciencia. Curso 2015-2016 (3 hours) (Badajoz, Spain) (12/02/2016)
17. "European Training Network for Continuous Sonication and Microwave Reactors" (24h) (KU Leuven, Belgium) (14-17/03/2017)
18. "Seminario sulla Propieta intellettuale" (KU Leuven, Belgium) (18/05/2017)
19. "Multi-funcional porous hybrid catalyst for multi-step Chemical processes" (3/05/2017)
20. "Mechanochemistry, a disruptive innovation for synthetic chemistry" (30/03/2017)
21. "Application to the preparation of Active Pharmaceutical Ingredients" (30/03/2017)
22. "Nanostructured materials with catalytic properties for sustainable processes" (30/03/2017)
23. Characterization of Ultrasound Reactor (KU Leuven, Belgium) (04/09/2017)
24. Introduction to ultrasound Technology (KU Leuven, Belgium) (05/09/2017)
25. Introduction to microwave technology (KU Leuven, Belgium) (05/09/2017)
26. Effective combination of ultrasound with micro channels (KU Leuven, Belgium) (06/09/2017)
27. Ultrasound separation (crystallization, extraction and leaching) (KU Leuven, Belgium) (07/09/2017)
28. Combined use of US and MW and upscaling (KU Leuven, Belgium) (07/09/2017)
29. Nanomaterials design: preparation and application (2 hours) (Cordoba, Spain) (12/09/2018)
30. Atomic force and scanning tunneling microscopy (2 hours) (Zaragoza, Spain) (12/09/2018)
31. Structure and chemical analysis of nanoparticles by TEM (2 hours) (Zaragoza, Spain) (13/09/2018)
32. Nanofabrication using focused charged particles (2 hours) (Zaragoza, Spain) (13/09/2018)
33. Scanning electron microscopy (2 hours) (Zaragoza, Spain) (13/09/2018)

34. Practical sesion: TEM, SEM, AFM, FIB (2 hours) (Zaragoza, Spain) (14/09/2018)
35. Scientific writting (2 hours) (Zaragoza, Spain) (14/09/2018)
36. Training: Industry-Academia collaboration (2 hours) (Turin, Italy) (27/03/2019)
37. Training: Flow Ultrasound and microwaves reactors (2 hours) (Turin, Italy) (27/03/2019)
38. Gender imbalance in research (2 hours) (Turin, Italy) (27/03/2019)
39. Green chemistry applied to process chemistry. (2 hours) (Turin, Italy) (27/03/2019)
40. Continuous processing in the pharmaceutical industry (2 hours) (Turin, Italy) (27/03/2019)
41. Visit of R&D labs GSK (6 hours) (London, UK) (04/09/2019)
42. Innovation policy and the nature of technological innovation (2 hours) (London, UK) (03/09/2019)
43. Life-Cycle Analysis - Lecture (2 hours) (London, UK) (05/09/2019)
44. Life-Cycle Analysis – Training (2 hours) (London, UK) (05/09/2019)
45. Microfluidics theory and measurements (4 hours) (London, UK) (05/09/2019)
46. Corso di Formazione Generale alla Salute e Sicurezza per i Lavoratori (4 hours) (Turin, Italy) (03/04/2019)

6. TEACHING ACTIVITIES

- **Cultore della materia SSD/CHIM06 (Lecturer).** Academic year 2019-2020
- **Organic and Inorganic Synthesis Laboratory (32 hours).** Chemistry Department of University of Turin. Chemistry degree. 30 September 2020 – 5 October 2020
- **Lecturer in Organic Chemistry subject (13 hours).** Chemistry Department of University of Turin. Biology degree. 1 May 2021 – 7 June 2021
- **Laboratory PLS Material Scienze (80 hours).** Chemistry Department of University of Turin. Materials Scienze and Technology degree. 15 March 2021 – 30 September 2021

7. SUPERVISION Y CO-DIRECTION OF RESEARCH ACTIVITIES

- **01/2018–04/2021** **Department of Scienza e Tecnologia del Farmaco, University of Turin:**
  • Alessia Turina, Master Student (03/2020-04/2021). Project: "*NanoCu(0)-catalyzed TH reactions under continuous flow*";
  • Clelia Motta, Master Student (10/2019-09/2020). Project: "*Innovative methodologies for oxidative amination of azoles catalyzed by Cu(I) and β-CD/ Cu(II) complexes*";
  • Pietro Doglia, Master Student (2018-2019). Project: "*New one-pot synthetic approaches under mechanochemical activation*";
- **09/2020–10/2021** **Department of Chemistry, University of Turin:**
  • Matteo Uda, Master Student (09/2020-02/2021). Project: "Synthesis and characterization of squaraines-based *AIEgens for potential photodynamic therapy application*";
  • Melissa de Angelis, Master Student (03/2021-10/2021).

8. ACADEMIC AWARDS AND PRIZES

07/06/2023 **Best Poster Prize** in XIII Reunión Científica de Bioinorgánica **(BioGranada23).**

14/09/2016 **Certificate of Excellence** from the **Institute of Biomedical and Environmental Health Research**, University of the West of Scotland (UK).

27/01/2017 **Extraordinary MSc award to the best student record**; Faculty of Chemistry, University of Extremadura.

9. FUNDING

09/02/2021 **Atracción de Talento César Nombela - Comunidad de Madrid** as part of **PADMeC Project** (**2024-T1/SAL-GL-31383**), Universidad Rey Juan Carlos (URJC) (200.000 €).

09/02/2021 **Marie Skłodowska-Curie Individual Fellowship** as part of **DELCAT Project** (**NUMBER 101024838**), Fundation Donostia International Physics Center (DIPC) (~160.000 €).

13/06/2019 **Fellowship** to attend 44th Edition of the **"A. CORBELLA" International Summer School on Organic Synthesis** (~500 €).

14/11/2016 **Marie Skłodowska-Curie Fellowship for PhD Students** within the **COSMIC** network (MCSA ETN, Grant No 721290), University of Turin (~250.000 €).

10/06/2016 **Erasmus Plus postgraduate scholarship** for the realization of a short period at the **University of the West of Scotland (UWS)**: Synthesis and Characterization of diketopyrrolopyrrole structures (~800 €).

05/11/2014–03/07/2015 **Spanish Ministry of Education, Collaboration grant for University students,** Organic Chemistry Department of the University of Extremadura (~2.000 €).

10/06/2011 **Educational Excellence scholarship of "Caja de Extremadura" Foundation**, enrolment fee for the first year of BSc in Chemistry. (~1000 €)

11. OUTREACH

During my PhD, I actively participated to the outreach activities promoted by the MSCA-ETN COSMIC network:

COSMIC Website: https://cosmic-etn.eu/

COSMIC Knowledge Clip:
https://www.youtube.com/watch?time_continue=204&v=LXUdVJyRaLU&feature=emb_logo

COSMIC blog:
http://cosmic-etn.eu/cosmicologist-12-and-a-chemical-crossword/
http://cosmic-etn.eu/working-all-together/
https://cosmic-etn.eu/enjoying-learning-chemistry/

COSMIC Social Media:

- Facebook: Cosmic EU Msca-Etn (81 followers)
- Instagram: cosmic_etn (103 followers)
- Twitter: @ETN_COSMIC (135 followers)
- LinkedIn: Process Intensification (EU projects) (184 followers)

Nova Talent Member: https://novatalent.com/