

○ Curriculum Vitae 2026 ○

○ NÚRIA ALIAGA-ALCALDE ○

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<https://funnanosurf.icmab.es/>
<https://icmab.es/aliaga-alcalde-nuria-permanent-researchers>
https://scholar.google.com/citations?user=2rck_vEAAAAJ&hl=es
<https://www.linkedin.com/in/n%C3%B9ria-aliaga-alcalde-97bba517/>

○ Academic Background ○

Apr 2003 **Ph. D. Program in Chemistry**, Indiana University, Bloomington, IN, USA
Title: “*Synthesis and study of tetranuclear manganese single-molecule magnets*”

○ Current Appointment ○

Sept 2014 – Present **Group Leader of FunNanoSurf group** (Functional Nanomaterials and Surfaces), at the Institute of Materials Science of Barcelona (ICMAB-CSIC)

Sept 2012 – Present **ICREA Research Professor** (Institució Catalana de Recerca i Estudis Avançats) at the ICMAB-CSIC

○ Prior Appointments ○

Sept 2014 – Feb 2023 **Master Professor** at the Universitat Autònoma de Barcelona (UAB) – Master Course: NiNAv (Advanced Nanoscience and Nanotechnology course)

Sept 2010 – Aug 2012 **Associate Instructor** at the Universitat de Barcelona (UB), Spain

Sept 2007 – Aug 2012 **ICREA Research Junior** at the UB, Barcelona, Spain

Oct 2005 – Aug 2007 **Postdoctoral Research Associate** at Leiden Institute of Chemistry, The Netherlands

May 2003 – Aug 2005 **Postdoctoral Research Associate** at the Max-Planck Institute (MPI) for Bioinorganic Chemistry, Germany

○ Awards & Key Achievements ○

Dec 2025 – Dec 2027 **COMTE-Innovation**. Selected participant team (FunNanoSurf): CSIC program to accelerate the market transition of research results and protected technologies

Mar 2023 – Jul 2023 **South European Deep Tech (S3E)**. Selected participant team (FunNanoSurf): program focused on EU-backed technology transfer and market integration

Feb 2019 – Jul 2019 **Salvador de Madariaga grant** for a research stay at the Delft University of Technology, The Netherlands

May 2010 **Atomium Culture finalist**, Dissemination European Research (D.E.R.) Project (chemistry area) <http://atomiumculture.eu/node/420>

Feb 2009 – Mar 2009 **AGAUR grant** for a research stay at the MPI for Bioinorganic Chemistry, Germany

May 2003 – Aug 2005 **Postdoctoral fellowship** at the MPI for Bioinorganic Chemistry, Germany

<i>Sept 2025 – Mar 2026</i>	“Sublimation technology for the in-situ creation of operational substrates” Financing agency: AGAUR – LLAVOR (2025 LLAV 00099, SUBLINSUB) Budget: 20,000 €
<i>May 2025 – Apr 2026</i>	“Sublimation technology for the creation of hybrid electronic dispositive” Financing agency: CSIC IMPULSA-T 2024 (IMPUL24034, SUBLIMA2) Budget: 50,000 €
<i>Sep 2024 – Dec 2028</i>	“Boosting responsive substrates based on asymmetric curcuminoids: synthesis and deposition, interface and activity studies” Financing agency: MICIU (PID2023-151929NB-I00, ASYCCMoidsACT) Budget: 300,000 €
<i>Nov 2023 – Apr 2025</i>	“Launch of a universal sublimation technology for molecular transfer on substrates” Financing agency: European Research Council, HORIZON (ID: 101138186, smolSUB) Budget: 150,000 €
<i>Jun 2023 – May 2026</i>	“Molecular-based systems and three-terminal graphene devices for application in electronics as sensors” Financing agency: CSIC-Intramural (ID: 202360E008) Budget: 279,600 €
<i>Jun 2020 – Dec 2024</i>	“Screening of curcuminoid-based systems for the achievement of sensor materials” Financing agency: MICIU (ID: PID2019-108794GB-I00, CCMoids4sense) Budget: 217,800 €
<i>Jan 2020 – Sept 2020</i>	“Novel optimized interfaces toward molecular-based responsive devices” Financing agency: CSIC, Extraordinary Grants for Project Preparation 2019 Budget: 18,358 €
<i>Mar 2017 – Aug 2023</i>	“Efficient electronic transport at room temperature by T-shaped molecules in graphene-based chemically modified three-terminal nanodevices” Financing agency: European Research Council (ID: Tmol4TRANS) Budget: 1,998,879 €
<i>Jan 2018 – Sept 2021</i>	FUNmatApp Group Financing agency: Generalitat de Catalunya (AGAUR, Grup Consolidat, ID: 2017 SGR 1277) Budget: 20,000 €
<i>Jan 2017 – Dec 2018</i>	“Estudio de nuevos sistemas curcuminoides en superficies funcionalizadas para la creación de transistores moleculares” Financing agency: CSIC, I-COOP+2016 (ID: COOPA20162) Budget: 11,000 €
<i>Jan 2016 – Dec 2018</i>	“Preparation of multifunctional hybrids based on curcuminoid and porphyrin systems” Financing agency: CSIC (ID: 201660E014) Budget: 57,000 €
<i>Jan 2014 – Dec 2017</i>	“Supramolecular Chirality in Low Dimensions and Charge Transport: Preparation of Functional Chiral Organic Materials” Financing agency: MINECO (ID: MAT2013-47869-C4-2-P) Budget: 108,653.06 €

- Dec 2011 – Dec 2012* **“Design and study of multifunctional systems containing Schiff bases, curcuminoid ligands and 4f metals towards the development of nano-devices”**
Financing agency: AECID (ID: AP/040924/11)
Budget: 26,000 €
- Feb 2009 – Mar 2009* **“Development of novel nanomolecular aggregates with multi-functional properties”**
Financing agency: AGAUR, Generalitat de Catalunya (ID: 2008 BE1 00463)
Budget: 4,400 €

○ Joint Project Leadership (co-PI) ○

- Dec 2016 – Dec 2020* **“Novel optimized interfaces toward molecular-based responsive devices”**
Financing agency: MINECO (ID: MAT2016-77852-C2-1-R)
Budget: 242,000 €
- Jan 2017 – Dec 2019* **“Curcuminoid-MOF-based systems to control the electronic response by reliable microscaled hybrid transistors obtained using sustainable CO₂ methods”**
Financing agency: ICMAB-CSIC, Severo Ochoa (ID: FUNMAT-FIP-2016)
Budget: 70,000 €

○ Collaborative Projects & Consortia ○

- Jun 2022 – Jul 2025* *“Photo- and electro-responsive micro- and nano-structured functional Materials”*
Financing agency: AGAUR, Grup Consolidat (2021 SGR01085, PERMINAMAT)
Budget: 60,000 €
Role: Senior Member
- Nov 2019 – Dec 2022* *“Ciencia Molecular sobre Superficies: Síntesis y Funcionalidad”*
Financing agency: MICIU (OSMolSis, RED2018-102833-T)
Budget: 30,000 €
Role: Member of the network and leader team
- Jan 2016 – Dec 2020* *“Functional Molecular Materials based on Curcuminoid Ligands”*
Financing agency: Fondecyt, Minister of Education of the Government of Chile (ID: 1161775)
Budget: 200,000 €
Role: International collaborator
- Jan 2015 – Dec 2017* *“Compuestos de coordinación de lantánidos con ligandos fluorescentes tipo chalcona: estudio de sus propiedades ópticas y magnéticas”*
Financing agency: UNAM, Universidad Nacional Autónoma de México, UNAM-DGAPA-PAPIIT IN222615
Budget: 30,000 €
Role: International collaborator
- Jan 2011 – May 2016* *“Synthesis and characterization of polynuclear metal complexes containing dendritic or dendronic ligands as single-molecule magnets”*
Financing agency: Fondecyt, Minister of Education of the Government of Chile (ID: 1110206)
Budget: 157,000 €
Role: International collaborator
- Dec 2012 – Dec 2015* *“Molecules, polymers and functional nanostructures based on coordination chemistry: design, preparation and study”*
Financing agency: MINECO (Ref. CTQ2012-32247/BQU)
Budget: 184,860 €
Role: Subproject coordinator

○ ICREA Junior Period ○

- Dec 2009 – Dec 2012* “*Synthesis and physico-chemical studies of molecule-based functional materials*”
Financing agency: MICINN (Ref. CTQ2009-06959/BQU)
Budget: 136,500 €
Role: research member
- Jan 2008 – Dec 2010* “*Evaluación de compuestos de coordinación de cobre como catalizadores biomiméticos*”
Financing agency: UNAM, Universidad Nacional Autónoma de México, UNAM-DGAPA-PAPIIT 210509
Budget: 40,000 €
Role: International collaborator
- Sep 2007 – Dec 2009* “*Interaccions magnètiques i magnetisme molecular*”
Financing agency: CIRI-Comissió Interdepartamental de Recerca i Innovació Tecnològica de la Generalitat de Catalunya (CIRIT)
Budget: 42,000 €
Role: research member

○ Innovation & Knowledge Exchange ○

- Feb 2022 – May 2025* European patent grant 4483979 B1 (Priority ES 2949292 B1, 2022)
- Title: VACUUM SUBLIMATION DEVICE / DISPOSITIVO DE SUBLIMACION POR VACIO
Owner entity: Consejo Superior de Investigaciones Científicas (CSIC)
Authors: Daniel Herrera-Miranda, Arántazu González-Campo and Núria Aliaga-Alcalde with ownership percentage of 33% for the three members
- <https://industry.icmab.es/images/vacuum-sublimation-v.pdf>
 - https://www.csic.es/sites/default/files/2024-12/Folleto%20AF_012_P202230143_Aliaga%202024-11-18.pdf

○ Visiting Research Appointments ○

- Feb 2019 – Jul 2019* Research stay at Delft University of Technology, Kavli Institute of Nanoscience by means of a Salvador de Madariaga grant
- Feb 2018 – Mar 2018* Research stays as external collaborator at different periods at the Universidad de Chile –
Oct 2015 – Oct 2015 Departamento de Ingeniería Química, Biotecnología y Materiales. Facultad de Ciencias
Sept 2014 – Oct 2014 Físicas y Matemáticas by means of Chilean Fondecyt projects (IDs: 1161775 and 1110206)
- Jul 2012 – Jul 2012* Research Stay at the University of Assiut by means of an AECID project

○ ICREA Junior Period ○

- Feb 2009 – Mar 2009* Research stay at the MPI for Bioinorganic Chemistry by means of an AGAUR grant

○ Research Leadership & Mentorship ○

○ Project Manager ○

- Jun 2024 – Present* ■ Dr. Coral Herranz-Lancho. Assoc. projects: smolSUB/202360E008
- Mar 2019 – Jun 2021* ■ Dr. Beltzane Gracia-Cirera. Assoc. project: Tmol4TRANS
□ Current position: Project & Lab Manager at ChemInFlow Group (UB)

○ Laboratory technician ○

- Feb 2024 – Jan 2025* ■ Gerard Felipo-Esteve. Assoc. project: smolSUB

○ Postdoctoral Associates ○

- Mar 2020 – Present** ■ Dr. Daniel Herrera-Miranda. Assoc. projects: Tmol4TRANS / 202360E008
- Oct 2020 – May2025** ■ Dr. Rossella Zaffino. Assoc. project: Tmol4TRANS / 202360E0
□ Current position: Staff Researcher at ICFO
- Jun 2020 – Dec 2020** ■ Dr. David Limón-Magaña. Assoc. project: ID: 2017 SGR 1277 (AGAUR)
□ Current position: Postdoctoral Researcher (Postdoc Junior Leader Fellowship at the Faculdade de Ciências e Tecnologia da Universidade NOVA, Lisbon, Portugal)
- Sept 2014 – Jan 2019** ■ Dr. Arántzazu González-Campo. Assoc. project: Tmol4TRANS
□ Current position: CSIC Tenured Scientist – Co-PI at FunNanoSurf

○ Present Ph. D. Students ○

- Oct 2025 – Present** ■ Gerard Felipo-Esteve
co-director: Dr. Arántzazu González-Campo. Associated project: ASYCCMoidsACT
Title: *“Responsive substrates based on asymmetric curcuminoids: synthesis and deposition, interfacial studies and activity”*
- Jun 2025 – Present** ■ Joseth Pachacama-Ruiz
co-director: Dr. Esther Barrena. Fellowship: MSCA COFUND DocFam+
Title: *“Sensing platforms based on functionalized graphene with bioinspired molecules”*
- Feb 2022 – Present** ■ Aldo Campos-Olguin
co-director: Dr. Mònica Soler. Fellowship: ANID (21221615, Universidad de Chile)
Title: *“Diseño y síntesis de polímeros de coordinación a partir de curcuminoides”*
- Oct 2020 – Present** ■ Joseline Iribarra-Araya
co-director: Dr. Mònica Soler. Fellowship: Conecyt fellowship (beca Chile 2019, 72200500)
Title: *“Design of 2D materials based on porphyrazines and derivatives with sensor properties”*

○ Former Ph. D. Students ○

- Nov 26th 2024** ■ Dr. Raquel Gimeno-Muñoz (Cum Laudem; associated project: Tmol4TRANS)
co-director: Dr. Arántzazu González-Campo
Title: *“Design of new T-shaped Curcuminoid systems and deposition studies for the creation of sensors”*, UAB/ICMAB-CSIC
□ Current position: Senior researcher at Leitat, Spain
- Feb 16th 2024** ■ Dr. Teresa Cardona-Lamarca (associated project: Tmol4TRANS)
co-director: Dr. Arántzazu González-Campo
Title: *“Curcuminoid-based materials toward their use as active components in three-terminal devices”*, UAB/ICMAB-CSIC
□ Current position: Product specialist at Sensofar, Spain
- Mar 1st 2023** ■ Dr. Daniel Riba-López (associated project: Tmol4TRANS)
co-director: Dr. Arántzazu González-Campo
Title: *“Curcuminoids as active elements in molecular electronic devices”*, UAB/ICMAB-CSIC
□ Current position: Research assistant at Ferr-Tech, The Netherlands)
- Oct 22th 2021** ■ Dr. Laura Rodríguez-Cid (Cum Laudem; associated projects: FUNMAT-FIP-2016 / Tmol4TRANS)
co-director: Dr. Concepción Domingo-Pascual
Title: *“Curcuminoid-MOF-based systems to control the electronic response by reliable microscaled hybrid transistors obtained using sustainable CO₂ methods”*, UAB/ICMAB-CSIC
□ Current position: Research assistant at Colores Cerámicos de Tortosa, S.A, Spain)

- Jul 20th 2018 ■ Dr. Raúl Díaz-Torres (associated project: Tmol4TRANS)
Title: *"Synthesis, characterization and deposition on surfaces of curcuminoid-based systems"*, UB/ICMAB-CSIC
□ Current position: Lecturer at the UB, Spain
- Jul 17th 2018 ■ Dr. Wenjie Qian (assoc. proj.: FI-DGR 2014 doctoral grant (AGAUR) and Tmol4TRANS)
Title: *"Preparation and processing of molecular materials with optoelectronic properties"*, UAB/ICMAB-CSIC
□ Current position: Senior Scientist at Novo Nordisk (until Dec 2025), Denmark
- Sept 30th 2016 ■ Dr. Cristina Oliveras-González
co-director: Prof. David B. Amabilino
Title: *"Self-assembly of functional chromophores into chiral nanomaterials"*, UAB/ICMAB-CSIC
□ Current position: Teacher at the Institution Mongazon, France

○ Master Students ○

- Jul 2025 ■ Gerard Felipo-Esteve (Present PhD student at FunNanoSurf)
(UAB, co-director: Dr. Arántzazu González-Campo)
Title: *"Synthesis and surface deposition of curcuminoids using a new sublimation device"*
- Jul 2022 ■ Marc Surós i Roman (PhD student at Eurecat)
(UB, co-director: Dr. Arántzazu González-Campo)
Title: *"Synthesis, processing and electronic studies of curcuminoid-based 2D materials"*
- Jul 2021 ■ Esteve Ribas-Saurí (PhD student at the ICN2)
(UAB, co-director: Dr. Arántzazu González-Campo)
Title: *"Design of 2D organic materials for sensing applications"*
- Jul 2019 ■ Raquel Gimeno-Muñoz (former PhD student at FunNanoSurf)
(UB, co-director: Dr. Arántzazu González-Campo)
Title: *"Disseny de nous curcuminoides amb grups donadors/acceptors i estudi de la seva immobilització en superfície"*
- Jan 2018 ■ Jesse Ferreira da Silva (Erasmus, University of Southampton, UK)
Title: *"The synthesis and characterization of curcumin derivatives for use in single molecule break junctions"*
- Jan 2018 ■ Joshua Le Brocq (Erasmus, University of Southampton, UK, co-director: Dr. Arántzazu González-Campo)
Title: *"An Investigation of the problems of synthesizing a hydrosilylated curcuminoid capable of chemisorption to active silica surfaces"*
- Jul 2013 ■ Raúl Díaz-Torres (Former PhD student at FunNanoSurf)
Title: *"Study of multifunctional systems containing curcuminoid ligands and 3d/4f Metals"*

○ Visiting scientific staff ○

- Sep 2025 – Feb 2026 ■ Ph. D. student Maura Monforte, Erasmus+ Programme, University of Messina, Italy
- Oct 2019 – Feb 2020 ■ Dr. Yolimar Gil Sánchez, Advanced Human Capital Training Program CONICYT, Universidad de Chile, Chile

○ ICREA Junior Period ○

○ Postdoctoral Associate ○

- Feb 2011 – May 2012 ■ Dr. Melita Menelaou, UB

○ **Master's student exchange and collaboration** ○

Apr 2010 – Jun 2010 ■ Inés Monte-Pérez, from UNAM, México

○ **Erasmus & Granted Students** ○

Apr 2009 – Jun 2009 ■ Coralie Souid, from University Paul Cezanne Aix-Marseille III, France
■ Coral Herranz-Lancho, UB

○ **Academic Instruction & Mentorship** ○

Feb 2023 – Present **Annual guest lecturer** on the course “Supramolecular Chemistry.” Chemistry Degree Program, UB

Sept 2014 – Feb 2023 **Master Professor** at the UAB. Course: *Advanced Nanoscience and Nanotechnology*
Topics: Molecular Magnetism – Molecular Electronics – Metal Organic Frameworks

Jan 2014 – Present **Supervisor** of last year students from the UB/UAB (TFGs, biannual work in a scientific project):

- Ling Roca Pla (2025-2026, Nanoscience and nanotechnology, UAB, in progress)
- Marc Surós i Roman (2021-2022, Chemistry, UB)
- Víctor Riu Molinero (2020-2021, Chemistry, UAB)
- Àlex Pérez Castro (2019-2020, Chemistry, UAB)
- Marc Surós i Roman (2019-2020, Chemistry, UAB)
- Raquel Gimeno-Muñoz (2017-2018, Chemistry, UB)
- Davana Krasimirova Zaharieva (2016-2017, Chemistry, UAB)
- Xavier Domingo-Onarias (2016-2017, Chemistry, UB)
- Oriol Torrecilla (2016, Nanoscience & Nanotechnology, UAB)
- Enric Íñiguez (TFG, 2016-2017, Nanoscience & Nanotechnology, UAB)
- Carles Ràfols (TFG, 2016-17, Nanoscience & Nanotechnology, UAB)
- Sònia Fornés (TFG, 2015-16, Chemistry, UB)
- Víctor Leiva (TFG, 2015-2016, Physics, UAB)
- Guifré Parera (TFG, 2014-2015, Nanoscience & Nanotechnology, UAB)

○ **ICREA Junior Period** ○

Sept 2010 – Sept 2012 **Associate Instructor** at the UB (“asociado 3+3”). Teaching freshmen students and experimental laboratories at the UB, Barcelona, Spain

Dec 2008 – Jul 2011 **Supervisor** of last year students coursing experimental courses at the UB (“Prácticas Avanzadas B” and “Estudiant Intern”):

- Coral Herranz Lancho (2008, UB)
- Ariadna Arbiol Roca (2008, UB)
- Eva Guillén Piqué (2010, UB)
- Fatiha Ouharrou (2010, UB)
- Guillem Brandariz-de-Pedro (2011, UB)
- Santiago Rodríguez Jiménez (2011, UB)

○ **Conference Chairing & Committee Service** ○

2024 – 2025 **Coordinator of Symposium at the XL Biennial Meeting of the RSEQ** (Royal Spanish Society of Chemistry) 2025 – Bilbao, Spain
Symposium 7: Advances in Functional Materials
<https://brseq2025.com/simposios/#1729000605715-209cb300-83cc>

2015 – 2014 **Member of the Organizing Committee**
SIJ2015: XII Simposio de Investigadores Jóvenes Real Academia Española de Química
2 – 6 November 2015, Barcelona, Spain (<http://congresses.icmab.es/sij2015/>)

2011 – 2012 **Member of the Local Organizing Committee**
 MOLMAT 2012: Vth International Conference on Molecular Materials
 3 – 6 July 2012, Barcelona, Spain (<http://molmat2012.com/>)

○ Institutional Contributions & Committees ○

2025 – Present **Head Scientist of the spectroscopy and thermal analysis laboratories**
<https://icmab.es/spectroscopic-techniques-laboratory>
<https://icmab.es/thermal-analysis-laboratory>

Jun 2025 **Moderator in the evaluation of the ICREA 2025 call**

2024 – Present **Member of the ICMAB Advisory Scientific Board** representing the Research Unit
 “Functional Surfaces and Interfaces”

2023 – Present **Member of the ICMAB Talent retention, attraction and recruitment board**

2015 – 2023 **Member of the Committee of EURAXESS RIGHTS in ICREA**

2016 – 2023 **Member of the Gender Commission of the ICMAB**
<http://icmab.es/the-csic-gender-equality-certificate-to-the-icmab-was-delivered-by-the-csic-president-rosa-menendez-to-xavier-obradores>

2016- Present **Member of the Nanoquim Commission of the ICMAB**
<https://services.icmab.es/nanoquim/>

2011 – 2012 **Member of the Faculty Committee**
 Inorganic Department, University of Barcelona, Barcelona, Spain

○ Expert Evaluation & Peer Review ○

Mar 2026 **Appointed peer review for the for the State Research Agency in the ‘Ramón y Cajal 2025’ call process.** Evaluator of applications for this call in the Material Science panel

Jul 2025 **External review for Swedish Research Council NT-M**

May 2024 **Expert evaluator for the “la Caixa” Foundation,** Postgraduate Abroad Fellowships Program 2024. Physics, Mathematics and Engineering panel

May 2024 **Peer reviewer for the State Research Agency in the ‘Ramón y Cajal 2023’ call process.** Evaluator of applications for this call in the chemistry panel

Sept 2018 – Present **Member of the Editorial Board of Inorganica Chimica Acta**
<https://www.journals.elsevier.com/inorganica-chimica-acta/editorial-board>

Sept 2016 – Present **Member of Evaluator Panel** for National Research and Development Agency (ANID) of the Ministry of Science, Technology, Knowledge and Innovation of Chile, FONDECYT-Chile

Sept 2015 – Present **Member of Evaluator Panel** for the Spanish Government and the Autonomous Communities Call for Synergistic Projects 2024, Comunidad de Madrid
 DocFam+ Evaluations
 Agencia Nacional de Evaluación y Prospectiva (ANEP) Plan Estatal Excelencia i+d B

Jan 2020 **External Member of Evaluator Panel** for BIST Ignite

May 2015 – 2016 **Member of the Editorial Board of Magnetochemistry**
<http://www.mdpi.com/journal/magnetochemistry/editors>
http://www.mdpi.com/journal/magnetochemistry/special_issues/MOF

Referee for Major International Journals
 Nanoscale, Chem. Comm., Inorg. Chem., Dalton Trans., Polyhedron among others

2012 – Present

Evaluator in Ph.D. & Master Committees

Ph.D. Xiao-Bao Li, Universitat Autònoma de Barcelona, Spain (17/10/2025)
Ph.D. Maria Eugenia Miguel Casañ, Universitat de València, Spain (10/02/2023)
Ph.D. Niklas Friedrich, Euskal Herriko Unibertsitatea, Spain (14/10/2022)
Ph.D. Xabier Rodríguez Martínez, Universitat Autònoma Barcelona, Spain (19/10/2020)
Ph.D. Andrea Moneo Corcuera, ICIQ, Spain (18/12/2019)
Ph.D. Lidia Rosado Piquer, Universitat de Barcelona, Spain (04/10/2019)
Ph.D. Frangchang Tan, Universitat Autònoma de Barcelona, Spain (16/09/2019)
Master Eugenio Cataldo, University of Delft, The Netherlands (21/06/2019)
Ph.D. I. Lucía Herrera Jiménez, Universidad de Zaragoza, Spain (13/11/2018)
Ph.D. Ignacio José Olavarria Contreras, Technische Universiteit Delft, The Netherlands (02/07/2018)
Ph.D. Marc Padilla Barriento, Universitat Autònoma de Barcelona, Spain (12/12/2017)
Ph.D. Gerard Sabeña Vila, Universitat de Girona, Spain (23/06/2017)
Ph.D. Elena Marchante Rodríguez, Universitat Autònoma de Barcelona, Spain (09/06/2017)
Ph.D. Luis Escriche Tur, Universitat de Barcelona, Spain (21/11/2016)
Ph.D. Itziar Oyarzabal Epelde, Universidad del Pais Vasco, Spain (01/12/2015)

ICREA Junior Period

Ph. D. Marta Viciano-Chumillas, LIC, Leiden, The Netherlands (10/22/2009)
Master Saskia Speed Castro, Universitat de Barcelona, Barcelona, Spain (07/16/2009)

Professional Affiliations & Networks

2025 – Present Member of the Catalan Society of Chemistry (SCQ)

2017 – Present Member of the Real Sociedad de Química Española (RSEQ):
■ Specialized Group in Nanoscience and Molecular Materials
■ Specialized Group on Green Chemistry

2012 – 2025 Member of AcademiaNet (<http://www.academia-net.org/>)

Impact & Community Outreach

2025 On-line press. Interview for Nature magazine on leadership in research and mentoring at ICMAB

<https://www.nature.com/articles/d42473-025-00065-2>

2025 – Present Catalog of female nanoscientists (TIC section)
<https://view.genially.com/691b0e9d91451b6b0414cef9/interactive-content-nanocientificas-catalogo-2026>

2016 – 2021 Theatrical reading about female researchers
Madame Châtelet y sus seguidoras en Instagram
(<https://www.instagram.com/madamechatelet/?hl=es>)
https://cosmocaixa.es/es/p/madame-chatelet-y-sus-seguidoras-en-instagram_a551938
<https://congresses.icmab.es/watch-and-share-the-video-of-madame-chatelet-and-her-instagram-followers>)

2015 Scientific talks in different schools & centers
General audience (since 2015; Series title: “a scientist in the classroom”)

2013 TV interview

Scientific program: <http://www.laxarxa.com/elproblemadegettier/>

2010 Scientific publication at main European Newspapers (Atomium Culture):

<http://www.rp.pl/artykul/589474.html>

<http://derstandard.at/1285199958727/Small-is-Good>

http://www.elpais.com/articulo/sociedad/Small/is/Good/Dressing/at/the/Nanoscale/elpepuso/c/20110902elpepusoc_5/Tes

<http://www.faz.net/aktuell/wissen/atomium-culture/molekuele-vom-reissbrett-europe-s-next-top-metals-11068209.html>

Apr 2013 / Sept 2013 Maternity leave (04/22/2013 =09/22/2013)

○ Invited talks / Oral presentations / Seminars ○

58. **Oral Communication. June 2025**
 XL Biennial Meeting of the RSEQ (Royal Spanish Society of Chemistry) 2025 – Bilbao, **Spain**
"Curcuminoid-based molecular platforms: design and applications"

57. **Invited talk. May 2025**
 2025 North America-Greece-Cyprus Conference (NAGC) – Cyros, **Greece**
"A look at Curcuminoids: from Design to Use as Electronic Components and Sensors"

56. **Invited talk. May 2025**
 18th European School on Molecular Nanoscience (ESMolNa2023) – Madrid. **Spain**
"Outlook for curcuminoids as sensors and electronic elements"

55. **Oral Communication. February 2025**
 2nd Meeting on Inorganic and Organometallic Chemistry of the Catalan Chemical Society (2RQIO-SCQ) – Tarragona, **Spain**
"Interplay of Curcuminoid design and deposition methods for their electronic applications"

54. **Keynote. October 2024**
 Sensors 2024 – Barcelona, **Spain**
"Conducting research on the use of curcuminoid-based surfaces as sensors"

53. **Invited talk. October 2024**
 II Workshop on Advanced quantum phenomena in 2D and carbon-based materials – Alicante, **Spain**
"Curcuminoids as molecular platforms: from coordination polymers to sensors and nanowires"

52. **Invited talk. May 2024**
 245th ECS Meeting (The Electrochemical Society Meeting) – San Francisco, **USA**
"Curcuminoids and Related for on-Surface Synthesis and Electronics"

51. **Oral communication. November 2023**
 2nd Conference on Advanced Materials in Spain – Zaragoza, **Spain**
"Curcuminoids as single units and in assemblies: from nanowires in graphene devices to 2D materials"

50. **Oral communication. June 2023**
 XXXIX Biennial Meeting of the RSEQ (Royal Spanish Society of Chemistry) 2023 – Zaragoza, **Spain**
"Outlook for curcuminoids in graphene-based devices and as 2D- materials"

49. **Invited Conference. May 2023**
 Master and PhD programme in Chemistry, University of Barcelona – Barcelona, **Spain**
"Curcuminoids: effective molecular platforms for the creation of sensors and electronic devices"

48. **Invited talk. May 2023**
 16th European School on Molecular Nanoscience (ESMolNa2023) – Madrid. **Spain**
"Compilation of studies on curcuminoids on two/three-terminal devices and surfaces"

47. Oral communication. February 2023
 III Congr s AMIT-CAT – Dones en Nanoci ncia i Nanotecnologia – Barcelona. **Spain**
"Use of curcuminoids in molecular electronics and as sensors"

46. **Keynote Speaker. October 2022**
 7th Edition of the Smart Materials and Surfaces 2022, SMS Conference and Exhibition (SMS 2022) – Athens, **Greece**
"Overview and recent findings on curcuminoids as molecular platforms for sensors and electronic components"

45. **Keynote Speaker. August 2022**
Physics in 2D Nanoarchitectonics", Mini-Colloquium within the CMD29 conference of the European Physical Society – Manchester, **UK**
"Summary and prospects for curcuminoids in electronic devices and as 2D materials"
44. **Oral Communication. June 2022**
XXXVIII Reunión Biental RSEQ (Real Sociedad Española de Química) 2022– Granada, **Spain**
"An Overview of curcuminoids in molecular electronics and current studies on graphene nanojunctions and coordination polymers-based FETs"
43. **Invited Speaker. December 2021**
Scientific Advisory Board Meeting 2021 – Bellaterra, **Spain**
"CCMoids for Single-Molecule Electronic Transport using Graphene-based Three-Terminal Devices"
42. **Oral Communication. November 2021**
ElecMol -10th International Conference on Molecular Electronics – Lyon, **France**
"A single-molecule electronic transport survey of nanowires based on curcuminoids"
41. **Oral Communication. October 2021**
SMS 2021 - Sensors 2021. 6th Edition of Smart Materials and Surfaces 2021. SMS Conference and Exhibition
Virtual attendance – Milan, Italy
"Extending the scope for curcuminoids: from active components on graphene devices to the creation of 2D materials"
40. **Oral Communication. September 2021**
[Virtual] European Congress and Exhibition on Advanced Materials and Processes **Online conference - Austria**
"T-shaped molecules based on curcuminoids for electronic transport and sensor purposes"
39. **Oral Communication. February 2021**
SmallChem2021 - Small Chem International **Online Conference - Spain**
"Curcuminoids: molecular platforms for electronic and sensor purposes"
38. **Invited Speaker. June 2020**
13th European School on Molecular Nanoscience **Virtual ESMolNa - Spain**
"Hybrid nanodevices based on FLG - Overview of the use of curcuminoids in single-molecule electron transport studies"
37. **Invited Speaker. December 2019**
Institute of Material Science of Barcelona (ICMAB) – Bellaterra, **Spain**
European Research Council (ERC) funding opportunities – a 360° overview
"Efficient electronic transport at room temperature by T-shaped molecules in graphene-based chemically modified three-terminal nanodevices"
36. **Invited Speaker. November 2018**
Institute of Material Science of Barcelona (ICMAB) – Bellaterra, **Spain**
"Exploring electronic transport using curcuminoid systems"
35. **Seminar. November 2018**
Institute of Nanoscience of Aragon (INA) – Zaragoza, **Spain**
"Curcuminoids in molecular electronics"
34. **Invited Speaker. June 2018**
8th North America-Greece-Cyprus Workshop on Paramagnetic Materials – Sparta, **Greece**
"Progress of curcuminoids in nanoscience"
33. **Invited Speaker. June 2018**
2nd ELECMI International Workshop – Zaragoza, **Spain**
"Electronic transport through single curcuminoids systems"

32. **Invited Speaker. May 2018**
11th European School on Molecular Nanoscience 6th Workshop on 2D Materials – Tenerife, **Spain**
"Curcuminoid systems in nanoscience"
31. **Oral Communication. August 2017**
14th European Conference on Molecular Electronics – Dresden, **Germany**
"Curcuminoid molecules as active components in hybrid graphene transistors"
30. **Oral Communication. June 2017**
XXXVI Reunión Bienal de La Real Sociedad Española de Química (RSEQ) – Sitges, **Spain**
"Two-terminal nanodevices based on few-layer graphene containing curcuminoid molecules at room temperature"
29. **Invited Speaker. May 2017**
10th European School on Molecular Nanoscience - 5th Workshop on 2D Materials – El Escorial, **Spain**
"Porphyrin and curcumin derivatives in molecular magnetism and molecular electronics"
28. **Invited Speaker. July 2016**
EMN on Organic-Electronics and Photonics – San Sebastian, **Spain**
"Single molecule measurements and studies regarding curcuminoids and porphyrin derivatives"
27. **Invited Speaker. July 2016**
Workshop: Designing advanced functionalities through controlled nanoelement integration in oxide thin films – Bellaterra, **Spain**
"Design and coordination of porphyrin and curcuminoid molecules: characterization and properties at the nanoscale"
26. **Invited Speaker. July 2016**
42nd International Conference on Coordination Chemistry, ICC2016 – Brest, **France**
"Coordination compounds based on porphyrins & curcuminoids as appliances in molecular electronics"
25. **Invited Speaker. November 2015**
Organic Electronics Meeting at ICMA (ORGI 2015) / ICMA – Bellaterra, **Spain**
"A perspective on curcuminoid systems in molecular electronics"
24. **Invited Speaker. October 2015**
ICMS2015 - 3rd International Conference on Materials Science – Valdivia, **Chile**
"Design and study of molecular materials containing curcuminoid or porphyrinic groups and their potential use in molecular electronics"
23. **Oral communication. September 2015**
ECMM2015 - 5th European Conference on Molecular Magnetism – Zaragoza, **Spain**
"Mononuclear 3d/4f (Easy Plane & Easy Axis) single molecule magnets containing curcuminoids and their prospects in molecular electronics"
22. **Oral communication. June 2015**
Scientific Workshop on Biomedical, Health and Bio-Related applications of Hybrid Materials/HINTBCN/ICN2 – Bellaterra, **Spain**
"Copper curcuminoids containing anthracene groups: fluorescent molecules with cytotoxic activity"
21. **Invited Speaker. October 2014**
ESMolNa 2014, 7th European School on Molecular Nanoscience – Alicante, **Spain**
"Work in progress in curcuminoids toward their inclusion in nanoscience"
20. **Invited Speaker. October 2014**
Facultad de Química y Biología, Universidad de Santiago de Chile – Santiago, **Chile**
"Estudio y aplicaciones de sistemas funcionales curcuminoides"

19. **Invited Speaker. October 2014**
Facultad de Ciencias Físicas y Matemáticas, Universidad de Chile – Santiago, **Chile**
"Diseño y estudios de compuestos de coordinación funcionales con ligandos curcuminoides"
18. **Oral communication. June 2014**
QIES-14, 16a Reunión Científica Plenaria de Química Inorgánica / 10a Reunión Científica Plenaria de Química del Estado Sólido – Almería, **Spain**
"Magnetic and fluorescent coordination compounds containing curcuminoids"
17. **Invited Speaker. November 2013**
Institute of Material Science of Barcelona (ICMAB) – Bellaterra, **Spain**
"Barnett Rosenberg i la seva troballa: el cisplati"
16. **Oral communication. October 2012**
V European School Molecular Nanoscience (ESMolNa) – Cuenca, **Spain**
"Multifunctional molecular systems containing curcuminoids"
15. **Invited Speaker. January 2011**
Seminario Internacional en Materiales Moleculares – Concepción, **Chile**
"Diseño de sistemas multifuncionales que contienen metales 3d/4f y grupos curcuminoides"
14. **Oral communication. January 2011**
XIII Encuentro de Química Inorgánica – Temuco, **Chile**
"Diseño de sistemas multifuncionales que contienen metales 3d/4f y grupos curcuminoides"
13. **Invited Speaker. October 2010**
Conference at the Department of Chemistry, Nankai University – Taijin, **China**
"Multifunctional 3d/4f building blocks containing curcuminoids"
12. **Oral communication. October 2010**
International Conference of Molecule-Based Magnets ICMM 2010 – Beijing, **China**
"Multifunctional 3d/4f building blocks containing curcuminoids"
11. **Invited Speaker. September 2009**
The Catalan Institute of Nanoscience and Nanotechnology, CIN2 – Bellaterra, **Spain**
"Synthesis and characterization of 3d compounds containing curcuminoids"
10. **Invited Speaker. August 2009**
USACH, University of Santiago de Chile – Santiago, **Chile**
"Synthesis and characterization of 3d compounds containing curcuminoids"
9. **Invited Speaker. June 2009**
Third North America-Greece-Cyprus Workshop on Paramagnetic Materials – Protaras, **Cyprus**
"Development of nanomolecular aggregates with multifunctional properties"
8. **Invited Speaker. May 2008**
Organic and Inorganic Departmental Meeting of the University of Barcelona, – Barcelona, **Spain**
"Estructura geomètrica i electrònica d'un compost de ferro amb estat d'oxidació V"
7. **Invited Speaker. February 2008**
Inorganic Department of the University of Girona – Girona, **Spain**
"The geometric and electronic structure of [(Cyclam-acetato)Fe(N)]⁺; a genuine iron(V) species with ground state Spin S = 1/2"
6. **Seminar. July 2007**
IC3 meeting, Coordination and Bioinorganic Chemistry, Leiden Institute of Chemistry, Leiden University – Leiden, **The Netherlands**
"A Tale of two curcuminoids"

5. **Seminar. November 2005**
IC3 meeting, Coordination and Bioinorganic Chemistry, Leiden Institute of Chemistry, Leiden University – Leiden, **The Netherlands**
“From Bloomington to Leiden: Mn, Fe and Pt search”
4. **Seminar. February 2005**
Annual group meeting, Max-Planck Institute für the Bioanorganische Chemie – Muelheim and the Ruhr, **Germany**
“The geometric and electronic structure of [(Cyclam-acetato)Fe(N)]⁺; a genuine iron(V) species with ground state spin $S = \frac{1}{2}$ ”
3. **Seminar. December 2003**
Annual group meeting, Max-Planck Institute für the Bioanorganische Chemie – Muelheim and the Ruhr, **Germany**
“Synthesis and characterization of novel mono-, di- and trinuclear Mn complexes”
2. **Seminar. May 2002**
Inorganic Chemistry Seminar, University of Florida – Gainesville, **USA**
“New tetranuclear manganese single molecule magnets with the [Mn₄O₃X]⁶⁺ core structure (X = Cl⁻, ⁻O₂CC₆H₄-p-R and ⁻O₂CC₆H₄-o-R)”
1. **Seminar. September 2000**
Inorganic Chemistry Seminar, Indiana University – Bloomington, Indiana, **USA**
“Preparation and magnetic properties of low symmetry [Mn₄O₃] complexes with $S=9/2$ ”

○ Book Chapters ○

- 2025 Book title: “Third White Book on Nanotechnologies: Paving the way towards a more sustainable future” (CSIC)
Co-author of Chapter 6: “The Role of ICT in Sustainable Development”

○ Articles ○

93. Nicole Guerra, Wenjie Qian, Pablo Mella, Aldo Campos, Nancy Pizarro, Arántzazu González-Campo, Jesse Ferreira da Silva, E. Carolina Sañudo, Nicole Parra-Muñoz, Tania Sandoval*, Núria Aliaga-Alcalde*, Monica Soler* **2026**. Manuscript sent to Dyes and Pigments. “Structure–Property Correlations in Ester- and Carboxyl–Functionalized Curcuminoids: A Combined Experimental and Theoretical Study”
92. M. P. Oyarzún, P. Cabrera, N. Parra-Muñoz, V. López-Monsalves, A. L. Riveros, F. Celis, R. Gimeno-Muñoz, A. González-Campo, N. Aliaga-Alcalde, M. Soler*, M. J. Kogan*, **Colloids and Surfaces B: Biointerfaces**, **2025**, 252, 114660. “Silica-Coated Gold Nanorods Conjugated with CRANAD to Improve the Detection of Soluble β -Amyloid Species via a Surface-Enhanced Fluorescence Effect”
91. R. Gimeno-Muñoz, R. Díaz-Torres, S. Gómez-Coca, O. Roubeau, J. M. Díaz-Cruz, N. Aliaga-Alcalde*, A. González-Campo*, **ACS Applied Materials & Interfaces**, **2025**, 17, 13, 20383, 20393. “Curcuminoid-Based Responsive Surfaces for Fluorescent BF₃ Detection, a Fast and Reversible Approach”
90. A. Guglielmelli, R. Zaffino*, G. Palermo*, L. Valente, D. M. Aceti, L. Ricciardi, A. González-Campo, R. Pfattner, N. Aliaga-Alcalde, G. Strangi*, **Small Science**, **2025**, 5, 1, 2400382. “Plasmonic Coupling for High-Sensitivity Detection of Low Molecular Weight Molecules”
89. T. Cardona-Lamarca, T. Y. Baum, R. Zaffino, D. Herrera, R. Pfattner, S. Gómez-Coca, E. Ruiz*, A. González-Campo*, H. S. J. van der Zant*, N. Aliaga-Alcalde*, **Chemical Science**, **2024**, 15, 16347-16354. “Experimental and Theoretical Studies of the Electronic Transport of an Extended Curcuminoid in Graphene nano-Junctions”
88. H. L. Alvarado, D. Limón, A. C. Calpena-Campmany*, M. Mallandrich*, L. Rodríguez-Cid, N. Aliaga-Alcalde, A. González-Campo, L. Perez-Garcia, **International Journal of Molecular Sciences**, **2023**, 24, 7, 6640. “Intrinsic Permeation and Anti-Inflammatory Evaluation of Curcumin, Bisdemethoxycurcumin and Bisdemethylcurcumin by a Validated HPLC-UV Method”

87. D. Riba-Lopez, R. Zaffino, D. Herrera, R. Matheu, F. Silvestri, J. Ferreira da Silva, E. C. Sanudo, M. Mas-Torrent, E. Barrena, R. Pfaltner*, E. Ruiz, A. Gonzalez-Campo*, N. Aliaga-Alcalde*, **iScience**, **2022**, 25(12),105686(1-29). "Dielectric Behavior of Curcuminoid Polymorphs on Different Substrates by Direct Soft Vacuum Deposition"
86. Y. Gil, R. Gimeno-Muñoz, R. Costa de Santana, N. Aliaga-Alcalde, P. Fuentealba, D. Aravena, A. Gonzalez-Campo*, E. Spodine*, **Inorganic Chemistry**, **2022**, 61, 16347–16355. "Luminescence of Macrocyclic Mononuclear Dy^{III} Complexes and their Immobilization on Functionalized Silicon-based Surfaces"
85. D. Limon*, P. Gil-Lianes, L. Rodríguez-Cid, H. L. Alvarado, N. Díaz-Garrido, M. Mallandrich, L. Baldomà, A. C. Calpena, C. Domingo, N. Aliaga-Alcalde, A. Gonzalez-Campo*, Ll. Perez-Garcia*, **ACS Applied Nano Materials**, **2022**, 5, 13829–13839. "Supramolecular Hydrogels Consisting of Nanofibers Increase the Bioavailability of Curcuminoids in Inflammatory Skin Diseases"
84. R. Pfaltner*, E. Laukhina*, J. Li, R. L. Zaffino, N. Aliaga-Alcalde, M. Mas-Torrent, V. Laukhin, J. Veciana*, **ACS Applied Electronic Materials**, **2022**, 4, 2432–2441. "Emergent Insulator–Metal Transition with Tunable Optical and Electrical Gap in Thin Films of a Molecular Conducting Composite"
83. A. C. Aragonès, A. Martín-Rodríguez, D. Aravena, G. di Palma, W. Qian, J. Puigmartí-Luis, N. Aliaga-Alcalde, A. González-Campo, I. Díez-Pérez*, E. Ruiz*, **Angewandte Chemie International Edition**, **2021**, 60, 25958. "Room-Temperature Spin-Dependent Transport in Metalloporphyrin-Based Supramolecular Wires"
82. M. Amoza, L. Maxwell, N. Aliaga-Alcalde, S. Gómez-Coca, E. Ruiz*, **Chemistry – A European Journal**, **2021**, 27, 16440. "Spin-Phonon Coupling and Slow-Magnetic Relaxation in Pristine Ferrocenium"
81. L. Rodríguez-Cid, W. Qian, J. Iribarra-Araya, Á. Etcheverry-Berrios, E. Martínez-Olmos, D. Choquesillo-Lazarte, E. C. Sañudo, O. Roubeau, A. M. López-Periago, A. González-Campo, J. G. Planas, M. Soler*, C. Domingo*, N. Aliaga-Alcalde*, **Dalton Transactions**, **2021**, 50, 7056. "Broadening the Scope of High Structural Dimensionality Nanomaterials Using Pyridine-based Curcuminoids"
80. N. Portolés-Gil, S. Gómez-Coca, O. Vallcorba, G. Marbán, N. Aliaga-Alcalde, A. López-Periago, J. A. Ayllón*, C. Domingo*, **RSC Advances**, **2020**, 10, 45090. "Single Molecule Magnets of Cobalt and Zinc Homo- and Heterometallic Coordination Polymers Prepared by One-Step Synthetic Procedure"
79. L. Rodríguez-Cid, E. C. Sañudo, A. M. López-Periago, A. González-Campo, N. Aliaga-Alcalde*, C. Domingo*, **Crystal Growth and Design**, **2020**, 20, 6555. "Novel Zn(II) Coordination Polymers Based on the Natural Molecule Bisdemethoxycurcumin"
78. A. C. Aragonès, A. Martín-Rodríguez, D. Aravena, J. Puigmartí-Luis, David B. Amabilino, Núria Aliaga-Alcalde, Arántzazu González-Campo, E. Ruiz*, I. Díez-Pérez*, **Angewandte Chemie International Edition**, **2020**, 59, 2. "Tuning Single-Molecule Conductance in Metalloporphyrin-Based Wires via Supramolecular Interactions"
77. O. Vidal, X. Castilla, N. Aliaga-Alcalde, A. M. Lopez-Periago, C. Domingo, S. Sentellas, J. Saurina*, **Current Analytical Chemistry**, **2020**, 16, 95. "Determination of Curcuminoids by Liquid Chromatography with Diode Array Detection: Application to the Characterization of Turmeric and Curry Samples"
76. D. Dulić*, A. Rates, E. Castro, J. Labra-Muñoz, D. Aravena, A. Etcheverry-Berrios, D. Riba-López, E. Ruiz, N. Aliaga-Alcalde, M. Soler, L. Echegoyen, H. S. J. van der Zant*, **Journal of Physical Chemistry**, **2020**, 124, 2698. "Single-Molecule Transport of Fullerene-Based Curcuminoids"
75. Ana B. Buades, Víctor S. Arderiu, Lindley Maxwell, Martín Amoza, Duane Choquesillo-Lazarte, Núria Aliaga-Alcalde, Clara Viñas, Francesc Teixidor*, Eliseo Ruiz*, **Chemical Communications**, **2019**, 55, 3825. "Slow-Spin Relaxation of a Low-Spin S = 1/2 Fe^{III} Carborane Complex"
74. E. Castro, M. R. Cerón, A. Garcia-Hernandez, Q. Kim, A. Etcheverry-Berrios, M. J. Morel, R. Díaz-Torres, W. Qian, Z. Martínez, L. Méndez, F. Pérez, C. A. Santoyo, R. Gimeno-Muñoz, R. Esper, D. A. Gutierrez, A. Varela-Ramirez, R. J. Aguilera, M. Llano, M. Soler, N. Aliaga-Alcalde, L. Echegoyen*, **RSC Advances**, **2018**, 8, 73, 41692. "A New Family of Fullerene Derivatives: Fullerene-Curcumin Conjugates for Biological and Photovoltaic Applications"

73. I. J. Olavarria-Contreras, A. Etcheverry-Berrios, W. Qian, C. Gutierrez-Ceron, A. Campos-Olguin, E. C. Sanudo, D. Dulić, E. Ruiz, N. Aliaga-Alcalde*, M. Soler*, H. S. J. van der Zant*, **Chemical Science**, **2018**, 9, 34, 6988. "Electric-Field Induced Bistability in Single-Molecule Conductance Measurements for Boron Coordinated Curcuminoid Compounds"
72. W. Qian, A. González-Campo, A. Pérez-Rodríguez, S. Rodríguez-Hermida, I. Imaz, K. Wurst, D. Maspoch, E. Ruiz, C. Ocal, C. Barrena, D. B. Amabilino*, N. Aliaga-Alcalde*, **Chemistry-A European Journal**, **2018**, 24, 12950. "Boosting Self-Assembly Diversity in the Solid-State by Chiral/Non-Chiral Zn^{II}-Porphyrin Crystallization"
71. O. Guzman-Mendez, F. Gonzalez, S. Bernes, M. Flores-Alamo, J. Ordonez-Hernandez, H. Garcia-Ortega, J. Guerrero, W. Qian, N. Aliaga-Alcalde, L. Gasque*, **Inorganic Chemistry**, **2018**, 57, 3, 908. "Coumarin Derivative Directly Coordinated to Lanthanides Acts as an Excellent Antenna for UV-Vis and Near-IR Emission"
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69. A. M. Lopez-Periago, N. Portoles-Gil, P. Lopez-Dominguez, J. Fraile, J. Saurina, N. Aliaga-Alcalde, G. Tobias, J. A. Ayllon, C. Domingo*, **Crystal Growth & Design**, **2017**, 17(5), 2864-2872. "Metal-Organic Frameworks Precipitated by Reactive Crystallization in Supercritical CO₂"
68. I. Berlanga, A. Etcheverry-Berrios, A. Mella, D. Jullian, V. A. Gomez, N. Aliaga-Alcalde, V. Fuenzalida, Flores*, M. Soler*, **Applied Surface Science**, **2017**, 392, 834. "Formation of Self-Assembled Monolayer of Curcuminoid Molecules on Gold Surfaces"
67. J. Albalad, J. Arinez-Soriano, J. Vidal-Gancedo, V. Lloveras, J. Juanhuix, I. Imaz, N. Aliaga-Alcalde, D. Maspoch*, **Chemical Communications**, **2016**, 52, 91, 13397. "Hetero-Bimetallic Paddlewheel Clusters in Coordination Polymers Formed by a Water-Induced Single-Crystal-to-Single-Crystal Transformation"
66. M. Fontanet, M. Rodriguez, X. Fontrodona, I. Romero*, F. Teixidor*, C. Viñas, N. Aliaga-Alcalde, **Dalton Transactions**, **2016**, 45, 27, 10916. "Carving a 1D Co-II-Carboranylcarboxylate System by Using Organic Solvents to Create Stable Trinuclear Molecular Analogues: Complete Structural and Magnetic Studies"
65. M. Ying Tsang, F. Teixidor, C. Viñas, Clara; D. Choquesillo-Lazarte, N. Aliaga-Alcalde, J. Giner Planas*, **Inorganica Chimica Acta**, **2016**, 448, 97. "Synthesis, Structures and Properties of Iron(III) Complexes with (o-carboranyl)bis-(2-hydroxymethyl)pyridine: Racemic versus Meso"
64. R. Diaz-Torres, M. Menelaou, A. Gonzalez-Campo, S. J. Teat, E. C. Sanudo, E.; M. Soler*, N. Aliaga-Alcalde*, **Magnetochemistry**, **2016**, 2(3), 29. "Comparative Magnetic Studies in the Solid State and Solution of Two Isostructural 1D Coordination Polymers Containing Co-II/Ni-II-Curcuminoid Moieties"
63. A. Etcheverry-Berrios, R. Díaz-Torres, D. Jullian, I. Ponce, S. O. Vásquez, I. Olavarria, M. L. Perrin, R. Frisenda, H. S. J. van der Zant, D. Dulić*, N. Aliaga-Alcalde*, M. Soler*, **Chemistry – A European Journal**, **2016**, 22, 36, 12808. "Multiscale Approach to the Study of the Electronic Properties of two Thiophene Curcuminoid Molecules"
62. R. Díaz-Torres, M. Menelaou, O. Roubeau, A. Sorrenti, G. Brandariz-de Pedro, E. C. Sañudo, S. J. Teat, J. Fraxedas, E. Ruiz, N. Aliaga-Alcalde*. **Chemical Science**, **2016**, 7, 2793. "Multiscale Study of Mononuclear Co^{II} SMMs based on Curcuminoid Ligands"
61. E. Burzuri*, J. Island, R. Díaz-Torres, A. Fursina, A. González-Campo, O. Roubeau, S. J. Teat, N. Aliaga-Alcalde*, E. Ruiz, H. S. J. van der Zant, **ACS Nano**, **2016**, 10 (2), 2521. "Sequential Electron Transport and Vibrational Excitations in an Organic Molecule Coupled to Few-Layer Graphene Electrodes"
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58. A. K. Jassal, N. Aliaga-Alcalde*, M. Corbella*, D. Aravena, E. Ruiz* and G. Hundal*, ***Dalton Transactions***, **2015**, 44, 36, 15774. "Neodymium 1D Systems: Targeting New Sources for Field-Induced Slow Magnetization Relaxation"
57. N. K. Shee, J. P. Naskar, M. G. B. Drew, N. Aliaga-Alcalde, D. Datta*, ***Inorganica Chimica Acta***, **2015**, 427, 97. "Stabilisation of True π -Electron- π -Electron Interactions in an Inorganic Cocrystal"
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52. S. Gómez-Coca*, E. Cremades, N. Aliaga-Alcalde, E. Ruiz, ***Inorganic Chemistry***, **2014**, 53(2), 676. "Huge Magnetic Anisotropy in a Trigonal-Pyramidal Nickel(II) Complex"
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○ SUMMARY ○

1. I am the leader of the group *Functional Nanomaterials & Surfaces* (FunNanoSurf) at the Institute of Materials Science of Barcelona (ICMAB-CSIC).
<https://funnanosurf.icmab.es/>
2. I have a total of **92 peer-reviewed articles** in major international journals and I am the coauthor of 1 chapter of a book. I have been **cited more than 5500 times** (Google Scholar) and more than **97% of citations of my work are without self-citations** of all authors.
3. I **currently supervise and mentor** 4 doctoral students, 1 postdoctoral researcher, and 1 project manager. My recent contributions also include 3 other postdoctoral researchers, 7 doctoral students, 7 master's students, and several undergraduate students (TFGs, final degree projects).
4. **H-index of 34.**
5. **One European patent grant** 448379 B1 (Priority ES 2949292 B1, 2022). Title: Vacuum sublimation device.
6. List of the most relevant journals (and number of publications):
Nature (1) – Science (1) – Angewandte Chemie International Edition (3) – Journal of the American Chemical Society (3) – ACS Nano (1) – Nano Letters (1) – Chemical Science (3) – Physical Review Letters (2) – ACS Applied Materials & Interfaces (1) – Small Science (1) – Colloids and Surfaces B: Biointerfaces (1) – Crystal Growth & Design (4) – Chemical Communications (2) – ACS Sustainable chemistry & Engineering (1) – Chemistry - A European Journal (8) – Dalton Transactions (8) – Inorganic Chemistry (10) – RSC Advances (2) – Physical Review B (2), iScience (1) – ACS Applied Electronic Materials (1) – ACS Applied Nano Materials (1), among others.
7. I have provided a total of **58 Keynotes/Oral Presentations/Seminars/Invited talks in national and international conferences and congress** (Asia, Europe, North and South America).