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**RESEARCHERID**

**B-3610-2012**

**Number of publications**

**261**

**Book chapters**

**7**

**Oral Communications**

**93**

**Number of citations (since 1994)**

**> 15200 (WoS)**

**ORCID**

**0000-0003-2602-9525**

**h-index**

**60 (WoS)**

**Patents**

**2**

**Average citations per publication**

**55.9**

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**EDUCATION**

- 1992-1995* Ph.D in Chemistry, Université Claude Bernard Lyon 1; Villeurbanne (France)  
Doctor degree obtained the 26<sup>th</sup> of June 1995 with distinction and high commendation.
- 1991-1992* Master's degree in Fine Organic Chemistry, Université Claude Bernard Lyon 1; Villeurbanne (France); Group of Prof. Jacques Goré.
- 1987-1991* Bachelor's degree in Chemistry, Université Claude Bernard Lyon 1; Villeurbanne (France).

**LANGUAGES**

Spanish, French: mother tongues  
English: fluent  
Dutch: good level  
German: basic

## PROFESSIONAL EXPERIENCE

- 2010-Onwards *ICREA Research Professor in Bio-inorganic Chemistry at the Universitat de Barcelona (Spain); Leader of the group of **Nanoscience and Bio-Inorganic Chemistry (nanoBIC; [www.nanobic.eu](http://www.nanobic.eu))**, which is recognized by the Catalan government (**AGAUR – 2017 SGR 67**)*
- Lecturing in inorganic, bio-inorganic chemistry and coordination chemistry.
- 1999-2010 *Senior Post-doc leading a Research Team within Prof. Jan Reedijk's group, Leiden University (The Netherlands)*  
Leading a Research Team of about 10 young investigators (MSc, PhD and Postdoc fellows)
- In 2003, I spent 4 months in the research group of Prof. Roger A. Sheldon at the Technical University of Delft, where I have developed a new (bio-inspired) copper-based catalyst for the selective oxidation of primary alcohols.
- 1997-1998 *Research Manager, Université Louis Pasteur Strasbourg (France)*  
Combinatorial Chemistry. Solid Phase Synthesis of Heterocycles (triazines, pyrimidines) in collaboration with *UCB Pharma* (Belgium). The supervisor was Dr. Charles Mioskowski
- 1996-1997 *European Grant (Marie Curie) for a Post-doctoral Trainee within Prof. Fürstner's group, Max-Planck-Institut für Kohlenforschung; Mülheim an der Ruhr (Germany)*  
Transition Metal-Catalyzed C-C Bond Formation Mediated by Chlorosilanes: Catalytic Enantioselective Nozaki Reaction.
- 1995-1996 *CNRS Research Worker, Institut de Recherches sur la Catalyse; Villeurbanne (France)*  
Asymmetric Reduction of Ketones using a Cobalt / Borohydride System,  
Training of two students in Master of Chemistry. Supervisor was Prof. Marc Lemaire

- (Co)-supervision of more than **15 postdocs**
- (Co)-supervision of **14 PhD students** (**8** at the University of Barcelona).
- Supervision of more than **120 undergraduate research students** (BSc, MSc & Erasmus).

### **EVALUATOR** (2010 – 2024) for:

- the European Research Council (ERC, EU)
- the Ministerio de Ciencia, Innovación y Universidades (MICIU, Spain)
- the Agence National de la Recherche (ANR, France)
- the High Council for Evaluation of Research and Higher Education (Hcéres, France)
- the Royal Society of Chemistry (Future Leaders – African Independent Research (FLAIR) Fellowship scheme, UK)
- the Alzheimer's Society (United Against Dementia, UK)
- the Italian Research and University Evaluation Agency (ANVUR, Italy)
- the Foundation for the Polish National Science Centre (NCN, Poland)
- the Foundation for Polish Science (FNP, Poland)
- the Ministerio de Ciencia, Tecnología e Innovación Productiva Fondo para la Investigación Científica y Tecnológica (FONCYT, Argentina)
- the Chilean National Science and Technology Commission (CONICYT, Chile)

- the Barcelona Institute of Science and Technology (BIST, Spain)
- the Institut de Nanociència i Nanotecnologia (IN<sup>2</sup>UB, Spain)
- Université de recherche Paris Sciences et Lettres (PSL, France)
- Université Toulouse III - Paul Sabatier (France)

## THESES SUPERVISED

### PhD THESES

- **Guglielmo Spinelli**, *Ruthenium(II)-based Photosensitizers for Photodynamic Therapeutic Applications*, University of Barcelona, Department of Inorganic and Organic Chemistry, Expected defense: October **2026**; (4-year FPI grant from the Ministerio de Ciencia e Innovación of Spain).
- **Piedad Herrera Ramírez**, *Multifunctional Ruthenium(II) Photosensitizers for Photochemotherapy (MultiRuPS)*, University of Barcelona, Department of Inorganic and Organic Chemistry, Expected defense: October **2025**; (3-year FIDUR grant from the Generalitat de Catalunya).
- **Dana Josa**, *Highly cytotoxic piano-stool ruthenium(II) complexes*, University of Barcelona, Department of Inorganic and Organic Chemistry, Expected defense: 28<sup>th</sup> March **2025**.
- **Guillem Vázquez Bigas**, *Oligopeptides as highly versatile agents against copper-mediated oxidative stress and amyloid- $\beta$  aggregation*, Cum Laude, University of Barcelona, Department of Inorganic and Organic Chemistry, 22 March **2019**.
- **Rosa Faustino Brissos**, *Coordination, organometallic and supramolecular chemistry approaches to the design of metal-based cytotoxic agents*, Cum Laude, University of Barcelona, Department of Inorganic and Organic Chemistry, 13 April **2018**.
- **Andreu Presa Rodríguez**, *Diarylethene-based Pt(II) molecular switches: A novel approach to photoactivated chemotherapy*, Cum Laude, University of Barcelona, Department of Inorganic and Organic Chemistry, 16 December **2016**.
- **Achareeya Cheansirisomboon**, *Design of Metal-Organic Frameworks and Their Functionals Toward Structural Dynamics with Chromotropism, Exchange and Sorption Properties*, University of Barcelona and Khon Kaen University, 1 July **2014**. Co-director with Prof. Sujittra Youngme.
- **Nanthawat Wannarit**, University of Barcelona and Khon Kaen University, *Magnetic Studies of Spin-crossover Iron(II) and Triply-bridged Dinuclear Copper(II) Compounds*, 3 May **2013**. Co-director with Prof. Sujittra Youngme.
- **Paul de Hoog**, *The design and synthesis of novel heterodinuclear complexes combining a DNA-cleaving agent and a DNA-targeting moiety*, Leiden University, 28 February **2008**. Co-director with Prof. Jan Reedijk.
- **Manuel Quesada Vilar**, *Spin-transition frameworks based on bistetrazole and triazine ligands*, Leiden University, 29 March **2007**. Co-director with Prof. Jan Reedijk.
- **Iryna A. Koval**, *Copper complexes as biomimetic models of catechol oxidase: mechanistic studies*, Leiden University, 2 February **2006**. Co-director with Prof. Jan Reedijk.

Furthermore, I have supervised the one-year training stays at Leiden University of the following PhD students: Amal Ferchichi (**2024-2025**) from the University of Carthage (supervisor: Prof. W. Smirani Sta), **Iliaria Gamba (2009)** from the University of Pavia (supervisor: Prof. Luigi Casella); **Ann Almesåker (2009)** from the University of Sydney (supervisor: Prof. Leone Spiccia); **Pongthipun Phuengphai (2008)** from Khon Kaen University (supervisor: Prof. Sujittra Youngme).

### MSc THESES

- **Pablo Alonso González**, *Triazine-based polypyridine Ru(II) complexes as potential photodynamic therapy agents*, University of Barcelona, Department of Inorganic and Organic Chemistry, 7 July **2022**.
- **Adrián Álvarez Coscojuela**, *Synthesis of potential anticancer ruthenium(II) complexes with photochemical properties*, University of Barcelona, Department of Inorganic and Organic Chemistry, 15 July **2021**.
- **Marcos Álvarez Crespo**, *A study about methyl 4-[(2-hydroxyethyl)(pyridine-2-yl)aminomethyl]benzoate as precursor of potentially thermolabile carbamates and carbonates*, University of Barcelona, Department of Inorganic and Organic Chemistry, 15 June **2021**.
- **Ariadna Roca Moreno**, *Synthesis of superparamagnetic iron oxide magnetic nanocarriers with a thermolabile surfactant for drug delivery*, University of Barcelona, Department of Inorganic and Organic Chemistry, 4 November **2020**.
- **Sara Cañizares Lachowicz**, *Development of an ultrafast assay for early diagnosis of Parkinson's disease*, University of Barcelona, Department of Inorganic and Organic Chemistry, 4 November **2020**.
- **Aida López Espinar**, *Methyl 4-[N-(2-hydroxyethyl)-N-(pyridin-2-yl) aminomethyl]benzoate as a thermolabile ligand: A preliminary study*, University of Barcelona, Department of Inorganic and Organic Chemistry, 3 September **2020**.

- **Victor Alvarado Iglesia**, *Nanoparticle-photosensitizer conjugates for photodynamic therapy of cancer: an example using gold nanoparticle-appended iridium(III) complex*, University of Barcelona, Department of Inorganic and Organic Chemistry, 14 October 2020.
- **Jan Romano De Gea**, *A nano approach to lessen amyloid- $\beta$  toxicity and copper-promoted reactive oxygen species in Alzheimer's disease*, University of Barcelona, Department of Inorganic and Organic Chemistry, 1 July 2019.
- **Laia Ràfols Parellada**, *New ruthenium chemotherapeutics: en route towards nanomolar cytotoxicities*, University of Barcelona, Department of Inorganic and Organic Chemistry, 2 July 2019.
- **Jokin Pinatxo Olaciregui**, *Synthesis of nanocarrier ligands for drug administration by thermal release*, University of Barcelona, Department of Inorganic and Organic Chemistry, 3 July 2019.
- **Sofia Patricia Moreno Kübel**, *Functionalization of metal nanoparticles to develop diagnostic tools*, University of Barcelona, Department of Inorganic and Organic Chemistry, 2 July 2019.
- **Francesca Canyelles i Font**, *Engineering the surface of gold nanoparticles to reduce the aggregation of beta-amyloid for Alzheimer's disease*, Institut de Nanociència i Nanotecnologia UB (IN<sup>2</sup>UB), 17 July 2018.
- **Neus Sunyer i Pons**, *Síntesi de Compostos de Pal·ladi(II) i Plati(II) i l'Estudi de la seva Interacció amb l'ADN*, University of Barcelona, Department of Inorganic and Organic Chemistry, 6 July 2018.
- **Marta Delgà Fernández**, *Biologically-active Ir(III) complexes transported by gold nanoparticles: Impact on the antiproliferative activity*, University of Barcelona, Department of Inorganic and Organic Chemistry, 6 July 2018.
- **Jakub Kokinda**, *Synthesis of dityrosine, a potential biomarker of oxidative-stress induced protein damage*, University of Barcelona, Department of Inorganic and Organic Chemistry, 4 July 2017.
- **Laia Terol Ordaz**, *Quelació del Cu(II) i Zn(II) amb pèptids fluorescents per a la seva aplicació en el tractament de la malaltia de l'Alzheimer*, University of Barcelona, Department of Inorganic and Organic Chemistry, 8 July 2015.
- **Jordi Molas Saborit**, *Síntesi i caracterització de compostos de Pd(II) i Pt(II) amb bases de Schiff i estudi de la seva interacció amb l'ADN*, University of Barcelona, Department of Inorganic and Organic Chemistry, 8 July 2015.
- **Alberto Vázquez Chica**, *Estudio de interacciones con ADN de compuestos helicoidales de hierro(III)*, University of Barcelona, Department of Inorganic and Organic Chemistry, 8 July 2015.
- **Guillem Vázquez Bigas**, *Metal-based DNA-interacting agents from photoswitching ligands*, University of Barcelona, Department of Inorganic Chemistry, 10 July 2014.
- **Axel Mauri Panyella**, *Synthesis and characterization of new Schiff bases and their coordination compounds of Pd(II), Pt(II) and Cu(II)*, University of Barcelona, Department of Inorganic Chemistry, 10 July 2014.
- **Ester Torrents Barrera**, *Nuevos complejos de CuII y ZnII con ligandos inspirados en el Hpyrimol e interacción con el ADN*, University of Barcelona, Department of Inorganic Chemistry, 6 February 2013.
- **Cristina Cuscó Marigó**, *Dual role of Cu<sup>+2</sup> Ions on the Aggregation and Degradation of Soluble A $\beta$  Oligomers and Protofibrils*, University of Barcelona, Department of Inorganic Chemistry, 19 July 2012.
- **Rosa Faustino Brissos**, *Copper compounds (Schiff bases) as DNA-Interacting Agents*, University of Lisbon, 19 December 2011.

## OVERVIEW OF MEMBERSHIPS AND HONORS

- **Fellow of the Royal Society of Chemistry (2016)**
- **2016** top contributing researcher to peer review for chemistry across all the world's journals; **Sentinels of Science Award**
- **1996** Sigma-Aldrich-Fluka French Chemical Society prize for the Ph.D results
- 18 months Marie Curie postdoc fellowship (European grant)
- Referee for several major journals including *J. Am. Chem. Soc.*, *J. Org. Chem.*, *Inorg. Chem.*, *Cryst. Growth Des.*, *Chem. Eur. J.*, *Chem. Sci.*, *Angewandte Chem. Commun.* and *RSC Advances* and so on.
- Recognized as an excellent Reviewer by the *European Journal of Inorganic Chemistry* (year 2010)
- Member of the Royal Spanish Society of Chemistry (Real Sociedad Española de Química - RSEQ)
- Member of the Royal Society of Chemistry (RSC)
- Member of the Society of Biological Inorganic Chemistry (SBIC)
- Member of the Advisory Board of *Inorganic Chemistry Frontiers*, Royal Society of Chemistry; IF = 5.106
- Associate Editor of *RSC Advances* (July 2015 – June 2017); IF = 2.936
- President founder of the Association **Science Squared** ([www.sci2.org](http://www.sci2.org))
- Founder and Editor-in-chief of **Chemistry Squared** ([www.chem2.org](http://www.chem2.org)), the Chemistry Journal of Science<sup>2</sup>
- **President of the Spanish Bioinorganic Chemical Society** (Asociación Española de Bioinorgánica – AEBIN – [www.aebin.es](http://www.aebin.es)) since July 2022
- Issue Editor for the *Journal of Biological Inorganic Chemistry* (February 2024): Special issue on “Collaborations in the Spanish-Speaking Bioinorganic Community (vol. 29, issue 1)

## NATIONAL AND INTERNATIONALLY FUNDED PROJECTS (as PI)

Various research projects have been or are currently carried out as part of national and international networks, in which I have been or still am directly involved:

- MAGMANet, *Molecular Approach to Nanomagnets and Multifunctional Materials*. A network of over 20 laboratories for the design and preparation metal clusters with potential magnetic applications (single-molecule magnets, spin-transition materials and so on)
- ECOX (New iron, manganese and copper complexes for applications in oxidation catalysis), *Dutch Economy, Ecology, Technology (EET) programme, a joint programme of the Ministry of Economic Affairs, the Ministry of Education, Culture and Science, and the Ministry of Housing, Spatial Planning and the Environment*. A project involving 2 universities and 3 industries to investigate new oxidation catalysts for the preparation of fine chemicals (alkane and alkene oxidations) or for bleaching purposes.
- COST Action D21, *Molecular oxygen activation at biological and biomimetic copper centres*. Exchange visits between European labs.
- PI of the NRSC-C free budget projects 2005, *Bio-inspired extremophilic tungsten oxo compounds as oxygen-transfer catalysts (funding for 1 pdoc)*. This two-year project has led to the design of new triazine-based W catalysts for the epoxidation of alkenes.
- NWO Van Gogh Programma, *Collaboration between Leiden University/CBAC and the University of Grenoble, LEDSS (France)*; Investigations on bio-inspired copper catalysts for the oxidations of alcohols and the activation of C–H bonds. (Exchange visits to/from Grenoble).
- COST Action D35, *From Molecules to Molecular Devices: Control of Electronic, Photonic, Magnetic and Spintronic Behaviour*. Exchange visits between labs across Europe. End date: January 2011.
- COST action CM1003, *Biological oxidation reactions – mechanisms and design of new catalysts*; Start of Action: May 12<sup>th</sup>, 2011. End of Action: 11/05/2015 – Management Committee Member
- Research project entitled “Magnetic Studies of Spin-crossover Iron(II) and Triply-bridged Dinuclear Copper(II) Compounds” financed by the Thailand Research Funds (TRF; Royal Golden Jubilee Ph.D programme; contract **PHD/0234/2550**); 31/10/2011 – 30/10/2012
- Organization of V<sup>th</sup> International Conference on Molecular Materials: grant **CTQ2011-13459-E** from the Ministerio de Economía y Competitividad, Spain
- PI of the research project entitled “Applications of the oxidative properties of bio-inspired copper complexes: oxidation catalysis, anti-cancer drugs and Alzheimer's disease (AD)” financed by the Ministerio de Economía y Competitividad of Spain (Project **CTQ2011-27929-C02-01**); 01/01/2012 – 30/06/2015
- COST action CM1105, *Functional metal complexes that bind to biomolecules*; Start of Action: May 8<sup>th</sup>, 2012. End of Action: May 7<sup>th</sup>, 2016 – Management Committee Substitute
- Research project entitled “crystal designs and functional properties of metal-organic frameworks” financed by the Thailand Research Funds (TRF; Royal Golden Jubilee Ph.D programme; contract **PHD/0328/2551**); 15/10/2012 – 14/10/2013
- GDRI – HC3A (Groupement de Recherche International of CNRS-France), *Hetero-elements and Coordination Chemistry: from Concepts to Applications*; Start of Action: January 1<sup>st</sup>, 2015. End of Action: December 31<sup>st</sup>, 2018 – Workgroup Leader
- PI of the research project entitled “Innovative approaches to tackle Alzheimer's disease and cancer, two major scourges of the XXI century” financed by the Ministerio de Economía y Competitividad of Spain (Project **CTQ2014-55293-P**); 01/01/2015 – 31/12/2017
- Coordinator of the Spanish network of excellence “MetDrugs”; “Metals in Therapy and Diagnosis” financed by the Ministerio de Economía y Competitividad of Spain (Project **CTQ2015-70371-REDT**); 27/11/2015 – 26/11/2017
- PI of the research project entitled “Multitarget compounds with therapeutic potential against Alzheimer disease: Design and in vitro studies (CHELALZ)” financed by Horizon 2020 (Project **656820**); 1/1/2016 – 31/03/2018
- Coordinator of the research project entitled “Tailoring gold nanoparticles as agents against the aggregation and the extracellular accumulation of amyloid peptides” financed by the Institute of Nanoscience and Nanotechnology (IN2UB) (Project **ART-2016**); 15/9/2016 – 14/9/2017
- PI of the research project entitled “Nanocarriers for drug delivery through thermal release” financed by the Ministerio de Economía y Competitividad of Spain (Project **CTQ2017-88446-R**); 01/01/2018 – 30/06/2021
- GDRI – HC3A (Groupement de Recherche International of CNRS-France), *Hetero-elements and Coordination Chemistry: from Concepts to Applications*; Start of Action: January 1<sup>st</sup>, 2019. End of Action: December 31<sup>st</sup>, 2023 – Workgroup Leader; **WG4: Bio(in)organic Chemistry and Health** ([webpage](#)) – financed by the CNRS and the University of Barcelona



- Workgroup Leader within the Spanish network MultiMetDrugs “Multifunctional Metallodrugs in Diagnosis and Therapy” financed by the Ministerio de Economía y Competitividad of Spain (Project **RED2018-102471-T**); 01/01/2020 – 31/12/2021
- PI of the project entitled “PhotoBioCat” financed by the Generalitat de Catalunya (Reference **2021 SGR 00668**); 01/01/2022 – 30/06/2025
- PI of the research project entitled “Multifunctional ruthenium(II) photosensitizers for photochemotherapy (MultiRuPSs)” financed by the Ministerio de Ciencia e Innovación of Spain (Project **PID2020-115537RB-I00**); 01/09/2021 – 31/08/2025
- PI of the research project entitled “Nanoassemblies for magnetic delivery and release of cancerostatic agents” financed by the Ministerio de Ciencia e Innovación of Spain (Project **PCI2021-122027-2B**); 01/05/2022 – 01/05/2024
- Coordinator of the project entitled “Magneto-Plasmonic Iron Oxide@Gold Nanorods as 3-in-1 Agents for Cancer Theragnosis” financed by the Generalitat de Catalunya (reference **2022 BP 00243**); 01/04/2024 – 31/03/2027

## CURRENT COLLABORATIONS

Fruitful collaborations are ongoing with the following research groups, which in several cases have already resulted in several joint publications:

- Prof. Josep Rizo (Virginia Lazenby O'Hara Chair in Biochemistry); [website](#)
- Prof. Brian J. Frost (University of Nevada, Reno); [website](#)
- Dr Olga Iranzo (Institut des Sciences Moléculaires de Marseille); [website](#)
- Dr Seiji Komeda (Suzuka University of Medical Science); [website](#)
- Prof. Mitsuo Umetsu (Tohoku University); [website](#)
- Prof. José Ruiz (Universidad de Murcia); [website](#)
- Prof. Ricardo Pérez-Tomás (Cancer Cell Biology Group – Bellvitge); [website](#)
- Dr Adoración Gómez-Quiroga (Universidad Autónoma de Madrid); [website](#)
- Dr Julia Lorenzo (Institut de Biotecnologia i de Biomedicina, Barcelona); [website](#)
- Prof. José Antonio Del Río Fernández (Institute for Bioengineering of Catalonia); [website](#)
- Prof. Xavier Barril (Universitat de Barcelona); [website](#)
- Prof. Núria Aliaga-Alcalde (Intitut de Ciència de Materials de Barcelona); [website](#)
- Dr Arnald Grabulosa ((Universitat de Barcelona); [website](#)

## RESEARCH STAYS

1. *Visiting professor* at Sofia University (Bulgaria), from May 17 to May 23, **2019**.

## PUBLICATIONS (from 1993-September 2010)

1. *Thioethers - Potential Ligands For Asymmetric Catalysis*; Fache, F.; Gamez, P.; Nour, F.; Lemaire, M., *J. Mol. Catal.* **1993**, *85*, 131-141.
2. *Enantioselective Catalytic Reduction Of Ketones Using C<sub>2</sub>-Symmetrical Diamines As Chiral Ligands*; Gamez, P.; Fache, F.; Mangeney, P.; Lemaire, M., *Tetrahedron Lett.* **1993**, *34*, 6897-6898.
3. *Asymmetric Catalytic Reduction Of Prochiral Ketones With Supported Metal-Complexes*; Gamez, P.; Fache, F.; Lemaire, M., *Bull. Soc. Chim. Fr.* **1994**, *131*, 600-602.
4. *C<sub>2</sub> Diamine, Pseudo-C<sub>2</sub> Poly(Amide) And Poly(Urea) As Chiral Inductors In Asymmetric Catalysis*; Gamez, P.; Dunjic, B.; Fache, F.; Lemaire, M., *J. Chem. Soc., Chem. Commun.* **1994**, 1417-1418.
5. *Molecular Imprinting Effect In The Synthesis Of Immobilized Rhodium Complex Catalyst (Ir Cat)*; Gamez, P.; Dunjic, B.; Pintel, C.; Lemaire, M., *Tetrahedron Lett.* **1995**, *36*, 8779-8782.
6. *Homogeneous And Heterogeneous Pd-Catalyzed Enantioselective Alkylation With C<sub>2</sub>-Symmetrical Chiral Nitrogen Ligands*; Gamez, P.; Dunjic, B.; Fache, F.; Lemaire, M., *Tetrahedron: Asymmetry* **1995**, *6*, 1109-1116.
7. *Asymmetric Catalytic Reduction Of Carbonyl-Compounds Using C<sub>2</sub> Symmetrical Diamines As Chiral Ligands*; Gamez, P.; Fache, F.; Lemaire, M., *Tetrahedron: Asymmetry* **1995**, *6*, 705-718.

8. *Diureas as ligands in asymmetric reduction of ketones*; Gamez, P.; Dunjic, B.; Lemaire, M., *J. Org. Chem.* **1996**, *61*, 5196-5197.
9. *Synthesis and characterization of a new chiral polyurea-based catalyst*; Dunjic, B.; Gamez, P.; Fache, F.; Lemaire, M., *J. Appl. Polym. Sci.* **1996**, *59*, 1255-1262.
10. *Recent advances in homogeneous and heterogeneous asymmetric catalysis with nitrogen-containing ligands*; Fache, E.; Dunjic, B.; Gamez, P.; Lemaire, M., *Top. Catal.* **1997**, *4*, 201-209.
11. Locatelli, F.; Gamez, P.; Lemaire, M., *Molecular imprinting polymerised catalytic complexes in asymmetric catalysis*. In *Heterogeneous Catalysis And Fine Chemicals IV*, 1997; *Vol. 108*, pp 517-522.
12. *Chiral thiourea as ligand for the asymmetric reduction of prochiral ketones*; Touchard, F.; Gamez, P.; Fache, F.; Lemaire, M., *Tetrahedron Lett.* **1997**, *38*, 2275-2278.
13. *Synthesis of cross-conjugated dienic alcohols*; Gamez, P.; Ariento, C.; Gore, J.; Cazes, B., *Tetrahedron* **1998**, *54*, 14825-14834.
14. *Stereoselectivity of the carbopalladation-functionalization of allenic compounds: A mechanistic study*; Gamez, P.; Ariento, C.; Gore, J.; Cazes, B., *Tetrahedron* **1998**, *54*, 14835-14844.
15. *Molecular imprinting of polymerised catalytic complexes in asymmetric catalysis*; Locatelli, F.; Gamez, P.; Lemaire, M., *J. Mol. Catal. A-Chem.* **1998**, *135*, 89-98.
16. *Homogeneous bio-inspired copper-catalyzed oxidation reactions*; Gamez, P.; Aubel, P. G.; Driessen, W. L.; Reedijk, J., *Chem. Soc. Rev.* **2001**, *30*, 376-385.
17. *Synthesis and catalytic activities of copper(II) complexes derived from a tridentate pyrazole-containing ligand. X-ray crystal structure of [Cu<sub>2</sub>(*mu*-dpz<sub>2</sub>bp-O,N,N')<sub>2</sub>][Cu(MeOH)Cl<sub>3</sub>]<sub>2</sub>*; Gamez, P.; von Harras, J.; Roubeau, O.; Driessen, W. L.; Reedijk, J., *Inorg. Chim. Acta* **2001**, *324*, 27-34.
18. *A unique asymmetric [Mn<sub>3</sub>(II)] triple-stranded helicate from a symmetric pentadentate ligand*; Aromi, G.; Berzal, P. C.; Gamez, P.; Roubeau, O.; Kooijman, H.; Spek, A. L.; Driessen, W. L.; Reedijk, J., *Angew. Chem.-Int. Edit.* **2001**, *40*, 3444-3447.
19. *Selective macrocyclic copper complexes as catalysts for the polymerization of 2,6-dimethylphenol*; Gamez, P.; Steensma, R.; Driessen, W. L.; Reedijk, J., *J. Inorg. Biochem.* **2001**, *86*, 229-229.
20. *Small heterocyclic ligands improve the copper-catalyzed oxidative coupling of 2,6-dimethylphenol to poly(2,6-dimethyl-1,4-phenylene ether)*; Gamez, P.; Simons, C.; Aromi, G.; Driessen, W. L.; Challa, G.; Reedijk, J., *Appl. Catal. A-Gen.* **2001**, *214*, 187-192.
21. *A spectacular increase in the polymerisation rate of 2,6-dimethylphenol induced by acetonitrile*; Gamez, P.; Simons, C.; Steensma, R.; Driessen, W. L.; Challa, G.; Reedijk, J., *Eur. Polym. J.* **2001**, *37*, 1293-1296.
22. *A simple and selective biphasic catalytic system for the oxidative polymerization of 2,6-dimethylphenol*; Gamez, P.; van Dijk, J.; Driessen, W. L.; Challa, G.; Reedijk, J., *Adv. Synth. Catal.* **2002**, *344*, 890-893.
23. *New polydentate and polynucleating N-donor ligands from amines and 2,4,6-trichloro-1,3,5-triazine*; de Hoog, P.; Gamez, P.; Driessen, W. L.; Reedijk, J., *Tetrahedron Lett.* **2002**, *43*, 6783-6786.
24. *A solvent-controlled switch of manganese complex assemblies with a beta-diketonate-based ligand*; Aromi, G.; Gamez, P.; Roubeau, O.; Berzal, P. C.; Kooijman, H.; Spek, A. L.; Driessen, W. L.; Reedijk, J., *Inorg. Chem.* **2002**, *41*, 3673-3683.
25. *An unprecedented 1D ladder coordination polymer based on a pentanuclear copper(II) 2,4,6-tris(dipyridin-2-ylamino)-1,3,5-triazine building block*; Gamez, P.; de Hoog, P.; Roubeau, O.; Lutz, M.; Driessen, W. L.; Spek, A. L.; Reedijk, J., *Chem. Commun.* **2002**, 1488-1489.
26. *Copper(II) compounds of the planar-tridentate ligand 2,6-bis(pyrazol-3-yl)pyridine*; Gamez, P.; Steensma, R. H.; Driessen, W. L.; Reedijk, J., *Inorg. Chim. Acta* **2002**, *333*, 51-56.
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- UK patent filed (Leiden University, **2009**); WO 2009/109857 A1; Method for Producing Carboxylic Acids by Oxidative Cleavage of Unsaturated Compounds  
P. U. Maheswari, **P. Gamez**, P. de Hoog, R. Hage, J. Reedijk.
- Contribution to the article of Simon Hadlington entitled "Anions enjoy a taste of pi" in *Chem. World*, **2010**, 7, 5-5;  
<http://www.rsc.org/chemistryworld/News/2010/May/16051001.asp>.

## ORGANIZATION OF CONFERENCES, MEETINGS, WORKSHOPS (2010-2024)

- COST kick-off meeting Action CM1003, Barcelona, December 2 & 3, **2011**.
- Local organizing committee of the 5th International Conference on Molecular Materials (MOLMAT 2012), Barcelona, July 3-6, **2012**.
- First meeting of the Spanish network of excellence MetDrugs in Barcelona, February 2, **2016**.
- Second meeting of the Spanish network of excellence MetDrugs in Almuñecar, October 20, **2016**.
- Third meeting of the Spanish network of excellence MetDrugs in Bilbao, July 13, **2017**.
- Fourth meeting of the Spanish network of excellence MetDrugs in Madrid, October 25, **2017**.
- MetDrugs Symposium at the UAB; "MetDrugs: at the frontier between coordination chemistry and nanotechnology", Barcelona, November 30, **2017**.
- Member of the organizing committee of the 5th European Colloquium on Inorganic Reaction Mechanisms ECIRM 2018, Barcelona, July 8-11, **2018**.
- Organizer of the Session-55 entitled "Transition metal complexes in cancer therapy" during the 43<sup>rd</sup> International Conference on Coordination Chemistry (ICCC2018), Sendai (Japan), July 30 – August 4, **2018**.

10. Member of the organizing committee of BioLugo (XI Reunión Científica de Bioinorgánica), Lugo (Spain), June 30 – July 3, **2019**.
11. Member of the organizing committee of the AEBIN Photochemistry School 2020, videoconference from Donostia (Spain), September 7–9, **2020**.
12. International Chair of the Scientific Session dedicated to the topic "T13 - Metals in biology" during the International Meeting ICC2022, Rimini (Italy), August 28 – September 2, **2022**.
13. Member of the organizing committee of the symposium S7 entitled "Chemical tools for Chemical Biology" held in Granada during the XXXVIII meeting of the Spanish Royal Society of Chemistry (RSEQ-Granada 2022), Granada (Spain), June 27-30, **2022**.
14. Organizer of the online Young Researcher's Day 2021 (YRD2021) of the Spanish Association of Bioinorganic Chemistry (AEBIN), July 12, **2021**.
15. Organizer of the 4<sup>th</sup> HC3A Meeting entitled "All about H<sub>2</sub>: from production and activation" held in Barcelona (Spain), January 20–21, **2022**.
16. Member of the organizing committee of BioMadrid (XII Reunión Científica de Bioinorgánica), Madrid (Spain), July 11-13, **2022**.
17. Member of the organizing committee of the symposium S14 entitled "Biological Inorganic and Organic Chemistry (BIOChem)" held in Zaragoza during the XXXIX meeting of the Spanish Royal Society of Chemistry (RSEQ-Zaragoza 2023), Zaragoza (Spain), June 25-29, **2023**.
18. Member of the organizing committee of BioGranada (XIII Reunión Científica de Bioinorgánica), Granada (Spain), June 5-7, **2023**.
19. Member of the scientific committee of the 5<sup>th</sup> meeting of the HC3A network (between Catalonia and Occitanie) Meeting entitled "Electrochemistry: from basics to applications", Montpellier (France), January 15–16, **2024**.

#### JURY MEMBER OF MASTERS AND PhD THESES (2007-2024)

1. Jury member - PhD defense of Chrétien Simons  
Title: "Chemoenzymatic cascade processes for sustainable organic synthesis";  
Technische Universiteit Delft; June 12, **2007**.
2. Jury member - PhD defense of Flavia Barragán Clavero  
Title: "Vehiculización de compuestos metálicos hacia células tumorales mediante conjugación a análogos de octreotide";  
Universitat de Barcelona; November 25, **2011**.
3. Jury member - Master defense of Rosa Faustino Brissos  
Title: "Copper compounds (Schiff bases) as DNA-Interacting Agents";  
Universidade de Lisboa; December 19, **2011**.
4. Thesis examiner – PhD of Tamsyn Maree Ross  
Title: "Magnetostructural studies of some mono- and polynuclear Fe (II) spin crossover compounds containing new 2,2'-dipyridylamino-substituted s-triazine ligands";  
Monash University (Australia), Faculty of Science, School of Chemistry, **2011**.
5. Jury member substitute – PhD defense of Carolina Estarellas Martín  
Title: "Theoretical and experimental study of cooperativity effects in noncovalent interactions";  
Universitat de les Illes Balears (Spain); September 7, **2012**.
6. Jury member - PhD defense of Nanthawat Wannarit  
Title: "Magnetic studies of spin-crossover iron(II) and triply-bridged dinuclear copper(II) compounds";  
Khon Kaen University (Thailand); May 3, **2013**.
7. President of Jury – PhD defense of Gavin Craig  
Title: "Advanced study of switchable spin crossover compounds";

- Universitat de Barcelona (Spain); June 28, **2013**.
8. Jury member (secretary) – PhD defense of Daniel Aravena Ponce  
Title: “Transporte cuántico y magnetisme en sistemas inorgánicos: un estudio computacional”;  
Universitat de Barcelona (Spain); December 4, **2013**.
  9. Jury member (secretary) – PhD defense of Sergi Vela Llausí  
Title: “Computational Modeling of Molecular Magnetic Materials”;  
Universitat de Barcelona (Spain); September 10, **2014**.
  10. Jury member substitute – PhD defense of María de los Ángeles Medrano Chacón  
Title: “Estudio y diseño de complejos antitumorales de Pt(II) y Pt(IV), usando nuevas estrategias para conseguir una mayor actividad y especificidad”;  
Universidad Autónoma de Madrid (Spain); May 29, **2015**.
  11. Jury member – PhD defense of Iria Salvadó López  
Title: “Diseño y síntesis de metalopéptidos bioactivos de Ru(II) e Ir(III)”;  
Universidade de Santiago de Compostela (Spain); January 11, **2016**.
  12. President of Jury – PhD defense of Alejandra Rodriguez Morales  
Title: “Efectos de la interacción de compuestos de cobre(II) y rutenio(II) con fibronectina y tubulina; proteínas relacionadas con los procesos químicos del cáncer”;  
Universitat de Barcelona (Spain); February 10, **2016**.
  13. President of Jury – PhD defense of Beltzane Garcia i Cirera  
Title: “Compostos polinuclears de manganès mimètics d'enzims redox. Inserció en suports mesoestructurats. Estudi de les propietats magnètiques i catalítiques”;  
Universitat de Barcelona (Spain); February 24, **2016**.
  14. Jury member substitute – PhD defense of Laura Rovira González  
Title: “Design and Application of Bisphosphite Ligands with a Distal Regulation Site for Asymmetric Catalysis”;  
Universitat Rovira i Virgili – ICIQ (Spain); June 17, **2016**.
  15. Jury member (secretary) – PhD defense of Marta Vázquez Valero  
Title: “Estudio cinético de la interacción de complejos de metales de transición con moléculas biológicamente relevantes”;  
Universitat de Barcelona (Spain); July 22, **2016**.
  16. Jury member – PhD defense of Balakrishna Bugga  
Title: “Development of P-OP Ligands with New Structural Motifs for Rhodium- and Iridium-Mediated Asymmetric Hydrogenations”;  
Universitat Rovira i Virgili – ICIQ (Spain); September 9, **2016**.
  17. Jury member substitute – PhD defense of Francesca Peccati  
Title: “Computational Simulation of Fluorescent Markers for Amyloid Detection”;  
Universitat Autònoma de Barcelona (Spain); November 11, **2016**.
  18. Jury member – PhD defense of Francisco Navas López  
Title: “Síntesis y reactividad a nivel molecular de diferentes series de complejos metálicos de Pt<sup>II</sup>, Pt<sup>IV</sup> y Pd<sup>II</sup> con actividad antitumoral”;  
Universidad Autónoma de Madrid (Spain); May 22, **2017**.
  19. Jury member – PhD defense of Francisco Martínez Peña  
Title: “Reversible Activation Dynamics of Tethered Ruthenium(II) Arene Complexes”;  
Universidad Autónoma de Madrid (Spain); March 2, **2018**.
  20. Jury member substitute – PhD defense of Cristina Cuscó Marigó  
Title: “Multisensitive polyurethane/polyurea nanocapsules for smart drug delivery”;  
Universitat de Barcelona (Spain); March 22, **2018**.
  21. Jury member – PhD defense of Manuel José Sánchez del Castillo  
Title: “Iones Metálicos en la Neuroquímica de Ferritina y Frataxina”;  
Universidad de Granada (Spain); June 26, **2018**.

22. Secretary of Jury – PhD defense of Raúl Díaz Torres  
Title: “Synthesis, Characterization and Deposition on surfaces of Curcuminoid-based Systems”;  
Universitat de Barcelona (Spain); July 20, **2018**.
23. Jury member substitute – PhD defense of Katia Ghannadzadeh Samper  
Title: “Nous complexos fotoactivables de platí(II) i azobenzé com a possibles fàrmacs contra el càncer”;  
Universidad Autònoma de Barcelona (Spain); November 9, **2018**.
24. Jury member substitute – PhD defense of Katia Ghannadzadeh Samper  
Title: “Colloidal coordination polymer nanostructures: novel thermochromic and bioimaging probes”;  
Universidad Autònoma de Barcelona (Spain); November 29, **2019**.
25. Jury member – PhD defense of Joaquim Peña Aparicio  
Title: “Novel Cu(II) complexes bearing N,O-donor heteroaromatic ligands as potential anticancer drugs. A redox active metallic core”;  
Universidad Autònoma de Barcelona (Spain); December 13, **2019**.
26. Jury member (President) – PhD defense of Daniel Salvador Gil  
Title: “Formación de heterociclos y compuestos metálicos con aplicaciones biológicas y gelificantes”;  
Universidad de Zaragoza (Spain); July 14, **2020**.
27. Jury member (President) – PhD defense of Xiaoman Mao  
Title: “Platinum-based nanostructured polymers for glioblastoma treatment”;  
Universitat Autònoma de Barcelona (Spain); April 16, **2021**.
28. Jury member – PhD defense of Xing Wang  
Title: “Complexes Iridium(III)-NHC avec des vecteurs spécifiques comme agents théranostiques pour la thérapie photodynamique”;  
Laboratoire de Chimie de Coordination; Toulouse (France); October 15, **2021**
29. Jury member (President) – PhD defense of Gloria Viguera Bautista  
Title: “Phosphorescent heteroleptic iridium(III) complexes: applications for therapy and photodynamic therapy of cancer”;  
Universidad de Murcia (Spain); October 22, **2021**.
30. Jury member – PhD defense of Kevin Morales Fernández  
Title: “Light-Triggered Squaramido-Pt(II) Photocages as Potential PACT Agents”  
Universitat Autònoma de Barcelona (Spain); February 4, **2022**.
31. Jury member substitute – PhD defense of Glòria Garcia Ortega  
Title: “Metallosurfactants and drug delivery systems for biomedical applications”;  
Universidad Autònoma de Barcelona (Spain); July 15, **2022**.
32. Jury member (Secretary) – PhD defense of Samuel Peña Díaz  
Title: “Preventing  $\alpha$ -synuclein aggregation – Finding disease modifying molecules for Parkinson’s Disease”  
Universidad Autònoma de Barcelona (Spain); November 24, **2022**.
33. Jury member substitute – PhD defense of Edgar Fuentes  
Title: “Developing supramolecular polymers for drug delivery”  
IQAC-CSIC Barcelona (Spain); January 17, **2023**.
34. Jury member substitute – PhD defense of Lorena Roldán Martín  
Title: “Computational study of the interaction of metals with biological scaffolds: neurodegenerative diseases and catalysis”  
Universidad Autònoma de Barcelona (Spain); February 27, **2024**.
35. Jury member (Secretary) – PhD defense of Marc-Ricard Batten Vera  
Title: “NIR Light Controlled Release of Pt(IV) by Means of Upconversion Nanoparticles”  
Universidad Autònoma de Barcelona (Spain); March 22, **2024**.
36. Jury member substitute – PhD defense of Arnau Pons Garcia  
Title: “Hemocyanin’s study from a chemical point of view”  
Universidad Autònoma de Barcelona (Spain); **2024**.

## ORAL COMMUNICATIONS and INVITED LECTURES (1993-2025)

1. Asymmetric catalytic reduction of prochiral ketones using C<sub>2</sub>-axis diamines as ligands  
Gamez P., Fache F., Lemaire M.  
*SFC Lyon*, Lyon (France), May 18, **1993**.
2. Heterogeneous asymmetric catalysis with C<sub>2</sub>-symmetric amine-modified rhodium/silica  
Gamez P., Fache F., Lemaire M.  
*Chicat*, Brussels (Belgium), October 25 & 26, **1993**.
3. Substitution allylique catalysée par le Pd : utilisation de ligands chiraux polymérisés  
Gamez P., Dunjic B., Fache F., Lemaire M.  
*SFC-Lyon 1994*, Lyon (France), September 26-30, **1994**.
4. Enantioselective catalysis using imprinted materials  
Dunjic B., Gamez P., Pinel C., Lemaire M.  
*SFC-Palaiseau 1995*, Palaiseau (France), September 12-15, **1995**.
5. C<sub>2</sub>-symmetric nitrogen containing ligands in catalytic asymmetric reductions with template effect  
Gamez P., Dunjic B., Fache F., Lemaire M.  
*"Young Organic Chemists' Workshop" COST-D2*, Budapest (Hungary), September 16-19, **1995**.
6. Nitrogen-containing ligands in asymmetric catalysis  
Gamez P.  
*Max-Planck-Institut für Kohlenforschung Seminar*, Mülheim an der Ruhr (Germany), January 24, **1997**.
7. Ligands azotés en catalyse asymétrique homogène et hétérogène  
Gamez P.  
*Journée SFC (Division Chimie Organique)*, Paris (France), March 11, **1997**.
8. Highly efficient catalytic system for the oxidative coupling of 2,6-dimethylphenol  
Gamez P., Driessen W. L., Reedijk J.  
*NRSC-Catalysis Workshop*, Amsterdam (The Netherlands), April 7, **2000**.
9. New chelating agents for copper complexes and application in catalysis  
Gamez P., Driessen W. L., Reedijk J.  
*COST-D8 Workshop*, Edinburgh (Scotland), July 9, **2000**.
10. Biomimetic Cu chemistry and oxidation reactions  
Gamez P., Driessen W. L., Reedijk J.  
*COST-D21 Chemistry Working Group*, Brussels (Belgium), February 10-11, **2001**.
11. Simple and effective catalytic systems for the polymerization of 2,6-dimethylphenol  
Gamez P., Simons C., Driessen W. L., Reedijk J.  
*NCCC II*, Noordwijkerhout (The Netherlands), March 5-7, **2001**.
12. Macrocyclic Copper Complexes as Catalysts for the Polymerization of 2,6-Dimethylphenol  
Gamez P., Steensma R., Driessen W. L., Reedijk J.  
*NRSC-Catalysis Workshop*, Amsterdam (The Netherlands), May 31, **2001**.
13. Bio-inspired oxidation reactions involving copper  
Gamez P., Driessen W. L., Reedijk J.  
*COST-D21 Chemistry Working Group*, Orsay (France), March 2, **2002**.
14. Biomimetic copper-catalysed oxidation reactions  
Gamez P., Driessen W. L., Reedijk J.  
*NCCC III*, Noordwijkerhout (The Netherlands), March 4-6, **2002**.
15. New types of Cu complexes and their use in oxidations  
Gamez P., Driessen W. L., Reedijk J.  
*Work meeting of the group ISG1 of the joint HRSMC/WWU Münster Graduierten Kolleg*, Münster (Germany), April 11, **2002**.
16. New 1,3,5-triazinebased multidentate ligands in the -selfassembly- of coordination macromolecules



Gamez P., Reedijk J.

*Dutch Polymer Days*, Lunteren (The Netherlands), February 10-11, **2003**.

17. Supramolecular coordination complexes. Applications in biomimetic copper catalysis

Gamez P., Koval I. A., de Hoog P., Reedijk J.

*NRSC-C Mini-symposium*, Eindhoven (The Netherlands), April 14, **2003**.

18. The use of phenol-based N,S-containing ligands to mimic the type-3 copper protein active site

Huisman M., Koval I. A., Gamez P., Reedijk J.

*NWO-CW, Ontwerp en Synthese, Structuur en Reactiviteit, Biomoleculaire Chemie*, Lunteren (The Netherlands), October 13-15, **2003**.

19. Modelling the type-3 active site of copper proteins

Gamez P., Reedijk J.

*COST-D21 Chemistry Working Group 003*, Brussels (Belgium), February 21-22, **2004**.

20. Aerobic copper(II)-catalyzed selective oxidation of primary alcohols to aldehydes

Gamez P., Arends I. W. C. E., Reedijk J., Sheldon R. A.

*NCCC V*, Noordwijkerhout (The Netherlands), March 8-10, **2004**.

21. Synthetic models of the type-3 active site of copper bio-proteins

Gamez P., Koval I. A., Song Y., Reedijk J.

*IGK MIDWEEK*, Didam (The Netherlands), March 24-26, **2004**.

22. Synthetic models of the type-3 active site of copper bio-proteins

Gamez P., Koval I. A., Song Y., Reedijk J.

*ICCC36*, Mérida (México), July 18-23, **2004**.

23. Selective copper(II)-mediated oxidative coupling of a nucleophilic reagent to the *para*-methyl group of 2,4,6-trimethylphenol

Boldron C., Ozalp-Yaman S., Gamez P., Tooke D. M., Spek A. L., Reedijk J.

*Dalton Discussion 8 – Metals: Centres of Biological Activity*, Nottingham (UK), September 7-9, **2005**.

24. Macromolecular 1,3,5-triazine-based anion receptors

Gamez P., Mooibroek T. J., Teat S. J., MacLean E., Reedijk J.

*11<sup>th</sup> IUPAC International Symposium on Macromolecule-Metal Complexes*, Tirrenia (Italy), September 10-13, **2005**.

25. 1,3,5-Triazine-based functional materials

Gamez P.

*Kick-off Meeting COST D35*, Prague (Czech Republic), January 6-7, **2006**.

26. Cyanuric chloride as building block for the preparation of (multi)functional materials

Gamez P.

*NCCC VII*, Noordwijkerhout (The Netherlands), March 6-8, **2006**.

27. Cyanuric chloride as building block for the preparation of (multi)functional materials

Gamez P.

*Chemiedozententagung*, Hamburg (Germany), March 19-22, **2006**.

28. Oxidative coupling reactions mediated by a bio-inspired copper complex

Gamez P., Gupta S., Reedijk J.

*COST D21 Final workshop on "Metalloenzymes and Chemical Biomimetics"*, Leuven (Belgium), May 25-28, **2006**.

29. Triazine-based ligands for the preparation of (multi)functional hybrid organic-inorganic materials (HOIMs)

Gamez P., Reedijk J.

*ICCC37*, Cape Town (South Africa), August 13-18, **2006**.

30. Exploring new salicylamide-based ligands with transition metals and lanthanides

Benisvy L., Gamez P., Reedijk J.

*ECC1*, Budapest (Hungary), August 27-31, **2006**.

31. Overview Research Investigations Leiden

Gamez P., Reedijk J.

*COST D35 Initial workshop*, Tomar (Portugal), October 11-12, **2006**.

32. Copper- and tungsten-catalyzed oxidation reactions

Gamez P., Reedijk J.

*NIOK/NRSC-C workshops*, Utrecht (The Netherlands), November 17, **2006**.

33. Minor Structural Variations within a Family of *s*-Triazine-Based [iron(II)] Complexes Give Rise to Drastically Distinct Magnetic Behaviours

Gamez P., Quesada M., Aromí G., Roubeau O., Teat S. J., Reedijk J.

*COST D35 Workshop "Switchable Molecular Materials"*, Groningen (The Netherlands), April 19-20, **2007**.

34. Bio-Inspired Copper-Mediated Reactions

Gamez P.

*Seminar LEDSS, Université Joseph Fourier*, Grenoble (France), June 28, **2007**.

35. Selective aerobic oxidation of primary alcohols mediated by a model complex of galactose oxidase

Gamez P., Maheswari Palanisamy U., Reedijk J.

*ICBIC XIII*, Vienna (Austria), July 15-20, **2007**.

36. Post-modification of a bridging ligand inside a metal-organic framework

Gamez P., Sánchez Costa J., Black C. A., Roubeau O., Teat S. J., Reedijk J.

*ICCC 38*, Jerusalem (Israel), July 20-25, **2008**.

37. Anion- $\pi$  interactions involving N-containing  $\pi$ -acidic rings

Gamez P., Mooibroek T. J., Black C. A., Reedijk J.

*4<sup>th</sup> EuCheMS Conference on Nitrogen Ligands*, Garmisch-Partenkirchen (Germany), August 24-28, **2008**.

38. Post-synthetic functional group modification of a Metal-Organic Framework (MOF)

Gamez P., Reedijk J.

*NRSC-C Workshops*, Utrecht (The Netherlands), November 18<sup>th</sup>, **2008**.

39. Spin-transition Fe(II) compounds based on polypyridine ligands

Gamez P.

*Seminar at Forschungszentrum Karlsruhe GmbH. Institut für Nanotechnologie*, Karlsruhe (Germany), June 24<sup>th</sup>, **2009**.

40. Spin-transition Fe(II) compounds based on polypyridine ligands

Gamez P.

*Seminar at the University of Zaragoza*, Zaragoza (Spain), November 27<sup>th</sup>, **2009**.

41. Interactions between electron-rich molecules and electron-poor  $\pi$ -rings: a new supramolecular bond?

Gamez P.

*Seminar at Freie Universität Berlin*, Berlin (Germany), February 18<sup>th</sup>, **2010**.

42. Coordination design and catalysis

Gamez P.

*Seminar at Universitat Rovira i Virgili*, Tarragona (Spain), February 23<sup>th</sup>, **2010**.

43. The anion- $\pi$  interaction: a new supramolecular contact?

Gamez P.

*Seminar at Universitat de Barcelona*, Barcelona (Spain), April 12<sup>th</sup>, **2011**.

44. Anion- $\pi$  interactions: are they supramolecular bonding contacts?

Gamez P.

*Conferència del cicle Interdisciplinari at Universitat de Girona*, Girona (Spain), May 11<sup>th</sup>, **2011**.

45. Simple Square-Planar Copper(II) Complexes as DNA-Interacting Agents

Brissos R. F., Zabarska N., Moreno V., Gamez P.

*VII Reunion Científica de Bioinorganica*, Águilas (Spain), July 3-6, **2011**.

46. Is the anion- $\pi$  interaction a supramolecular bond?

Gamez P.

*5<sup>th</sup> EuCheMS Conference on Nitrogen Ligands*, Granada (Spain), September 4-8, **2011**.

47. Copper-mediated aggregation and oxidative coupling of amyloid  $\beta$

Gamez P., Brissos R. F., García S.

*COST CM1003 Workshop "Biological oxidation reactions - mechanisms and design of new catalysts"*, Göttingen (Germany), April 19-20, **2012**.

48. Porous Coordination Polymers (PCPs), Metal-Organic Frameworks (MOFs): Remarkable inorganic-organic materials with designated functional properties

Gamez P.

*MATGAS Seminar Series on CO<sub>2</sub> and Sustainability*, Barcelona (Spain), June 20, **2012**.

49. Copper-mediated aggregation and alteration of soluble amyloid  $\beta$  oligomers and protofibrils

García S., Cuscó C., Brissos R. F., Gamez P.

*11<sup>th</sup> European Biological Inorganic Chemistry Conference*, Granada (Spain), September 12-16, **2012**.

50. Copper for anticancer and anti-Alzheimer drug design

Gamez P.

*First Whole Action Meeting COST CM1105*, Granada (Spain), September 17-18, **2012**.

51. A decade-long supramolecular journey in the exciting world of anion- $\pi$  interactions

Gamez P.

*ICIQ Seminar (invitation by Pau Ballester)*, Tarragona (Spain), September 28, **2012**.

52. New Copper(II) Complexes from Planar N,N,O Ligands as DNA Cleavers: Efficient Cytotoxic Agents

Brissos R. F., Gamez P.

*International Congress for Innovation in Chemistry (PERCH-CIC Congress VIII)*, Pattaya (Thailand), May 5-8, **2013**.

53. Alternative approaches in anticancer drug design

Brissos R. F., Presa A., Caubet A., Gamez P.

*VIII Reunión científica de bioinorgánica*, Burgos (Spain), July 7-10, **2013**.

54. Uncommon coordination compounds to target unusual cellular components

Brissos R. F., Presa A., Rodríguez A., Caubet A., Moreno V., Barrios L., Aromí G., García J., Lorenzo J., Gamez P.

*1<sup>st</sup> International Symposium on Functional Metal Complexes that Bind to Biomolecules*, Barcelona (Spain), September 9-10, **2013**.

55. Metal coordination compounds that bind to biomolecules

Brissos R. F., Presa A., Rodríguez A., Caballero A. B., Caubet A., Gamez P.

*VI Journées Franco-Catalanes de Chimie Moléculaire*, Toulouse (France), January 27-28, **2014**.

56. May amyloid- $\beta$ /Cu metalloprotein act as an oxidation enzyme?

Gamez P.

*Seminar at Universitat Autònoma de Barcelona*, Barcelona (Spain), March 13, **2014**.

57. Involvement of copper in A $\beta$  aggregation and degradation

Brissos R. F., Caballero A. B., Gamez P.

*ICCMSE 2014*, Athens (Greece), April 4-7, **2014**.

58. Are dityrosine cross-links a feature of Alzheimer's disease?

Gamez P.

*COST CM1003 WG Meetings*, Lund (Sweden), May 20-22, **2014**.

59. Interaction of metallohelicates with DNA

Brissos R. F., Pérez-Tomás R., Gamez P.

*2<sup>nd</sup> International Symposium on Functional Metal Complexes that Bind to Biomolecules*, Zurich (Switzerland), August 22-23, **2014**.

60. DNA-interacting molecular switches

Presa A., Vázquez G., Gamez P.

*12<sup>th</sup> European Biological Inorganic Chemistry Conference*, Zurich (Switzerland), August 24-28, **2014**.

61. Fluorescent metal-binding molecules as potential anti-Alzheimer's agents

Caballero A. B., Gamez P.

*Annual meeting of the French BioInorganic Chemistry group (FrenchBIC)*, Anglet (France), September 28<sup>th</sup>-October 1<sup>st</sup>, **2014**.

62. Alternative approaches to develop efficient cytotoxic agents

Gamez P., Brissos R. F., Presa A., Caubet A.

*IX Reunión científica de bioinorgánica*, Cádiz (Spain), June 14-17, **2015**.

63. Cytotoxic copper agents based on simple Schiff-base ligands  
Gamez P., Brissos R. F., Soto V., Pérez-Tomás R., Cusco C., Rocas J., Rocas P.  
*COST CM1105 WG3 Meeting*, Warsaw (Poland), September 1-2, **2015**.
64. Modulating the biological properties of platinum(II) complexes through ligand photoswitching  
Gamez P., Presa A.  
*1<sup>st</sup> International Caparica Christmas Congress on Translational Chemistry*, Lisbon (Portugal), December 7-10, **2015**.
65. Development of peptide-based compounds as potential anti-Alzheimer agents  
Caballero A. B., Vázquez G., Nicolás E., Gamez P.  
*6<sup>th</sup> International Conference on Metals in Genetics, Chemical Biology and Therapeutics*, Bangalore (India), February 17-20, **2016**.
66. New Switching Coordination Compounds for Potential Photo-Chemotherapeutic Application  
Presa A. Caballero A. B., Gamez P.  
*13<sup>th</sup> European Biological Inorganic Chemistry Conference*, Budapest (Hungary), August 28-September 1, **2016**.
67. Photoswitching the DNA-interacting properties of coordination compounds  
Presa A., Megan A., Gamez P.  
*14<sup>th</sup> International Symposium on Applied Bioinorganic Chemistry*, Toulouse (France), June 7-10, **2017**.
68. Photoactivatable platinum drugs through light-driven modification of the ligand  
Presa A., Gamez P.  
*XXXVI Biennial Meeting of the Spanish Royal Society of Chemistry*, Sitges (Spain), June 25-29, **2017**.
69. Distinct strategies to generate more selective antiproliferative agents  
Brissos R. F., Presa A., Caubet A., Gamez P.  
*X Reunión Científica de Bioinorgánica (BioBilbao2017)*, Bilbao (Spain), July 9-12, **2017**.
70. RAPTA-type complexes containing a bulky phosphane ligand  
Gallén A., Grabulosa A., Gamez P.  
*43<sup>rd</sup> International Conference on Coordination Chemistry (ICCC2018)*, Sendai (Japan), July 4 – August 4, **2018**.
71. Inhibition of  $\beta$ -amyloid aggregation by functionalized gold nanoparticles  
Caballero A. B., Vázquez G., Canyelles F., Sabaté R., Gamez P.  
*14<sup>th</sup> European Biological Inorganic Chemistry Conference (EuroBIC 14)*, Birmingham (UK), August 26-30, **2018**.
72. Science Squared: Serving Science Through Publishing  
Gamez P.  
*B-debate - Open science: from values to practice. Building a roadmap for transformative change*, CosmoCaixa – Barcelona (Spain), October 4-5, **2018**.
73. Cancer cell antiproliferative activity of organoruthenium and organoiridium complexes  
Gamez P.  
*Workshop "From Bioinorganic Chemistry to Catalysis"*, Donostia - San Sebastián (Spain), November 23, **2018**.
74. Presentation of the Association Science Squared and its publishing model  
Gamez P.  
*Plan S Session* organized by the Young Academy of Europe (with the presence of Robert-Jan Smits, the Open Access Envoy of the European Commission), Residencia de Investigadores del CSIC, Barcelona (Spain), November 28, **2018**.
75. Histidine-containing oligopeptides to reduce copper/amyloid- $\beta$  toxicity in Alzheimer's Disease  
Gamez P.  
Seminar at the Universidad de Zaragoza/ISQCH, Zaragoza (Spain), April 24, **2019**.
76. Use of peptides and nanoparticles in Alzheimer's Disease theranostics  
Gamez P.  
Seminar at Sofia University "St Kliment Ohridski", Sofia (Bulgaria), May 21, **2019**.
77. Various approaches to generate efficient cytotoxic agents for potential anticancer applications  
Gamez P.  
Seminar at Sofia University "St Kliment Ohridski", Sofia (Bulgaria), May 21, **2019**.
78. Presentation of the Association Science Squared  
Gamez P.

4<sup>th</sup> Bordeaux Olivier Kahn Discussions (BOOK-D), Bordeaux (France), June 25-28, **2019**.

79. Small histidine-containing peptides to reduce copper/amyloid- $\beta$  toxicity in Alzheimer's Disease

Guillem Vázquez, Ana B. Caballero, Patrick Gamez

XI Reunión Científica de Bioinorgánica (BioLugo), Lugo (Spain), June 30 – July 3, **2019**.

80. Application of various approaches to design coordination compounds with remarkable cytotoxic properties

Gamez P., Caballero A. B., Caubet, A.

Montpellier2019 merging GSO-JMJC-JED Days, Montpellier (France), October 16-18, **2019**.

81. Interaction of amyloid- $\beta$  with functionalized gold nanoparticles

Gamez P.

V GEQB ChemBio, Granada (Spain), February 19-21, **2020**.

82. Research at nanoBIC

Gamez P.

Kick-off meeting of the Spanish network of Excellence 'MultiMetDrugs'

Videoconference, July 27, **2020**.

83. Ruthenium(II) piano-stool complexes with 1-pyrenyl-containing phosphine ligands: chemical transformation and cytotoxicity

Josa D., Rafols L., Grabulosa A, Gamez, P.

XXXVIII biennial meeting of the Spanish Royal Society of Chemistry (RSEQ), Granada (Spain), June 37-30, **2022**.

84. Oligopeptides as Cu<sup>2+</sup>/Cu<sup>+</sup> redox silencers

Vázquez G., Nicolás E., Caballero A.B., Gamez P.

1<sup>st</sup> International Conference on Metal-Binding Peptides (MBP 2022), Nancy (France), July 5-8, **2022**.

85. Cytotoxic behaviour of half-sandwich Ruthenium(II) complexes from 1-pyrenyl-containing phosphane ligands

Gamez P.

Meeting of the Spanish network of Excellence 'MultiMetDrugs', July 13, **2022**.

86. Cyclometalation of Ruthenium(II) Piano-Stool Complexes and Cytotoxicity

Josa D., Rafols L., Grabulosa A, Gamez, P.

44<sup>th</sup> International Conference on Coordination Chemistry (ICCC 2022), Rimini (Italy), August 28 – September 2, **2022**.

87. Ruthenium(II) and Osmium(II) complexes to kill cancer cells, **Gamez, P.** Seminar at the Institut des Sciences Moléculaires de Marseille, Marseille (France), July 7, **2023**.

88. Small histidine-containing peptides to reduce copper-mediated oxidative stress in Alzheimer's disease

Patrick Gamez

Ciclo Jornadas Científicas Prometeo 2022 "Amino-Nanozymes", Biomedical Applications, Valencia (Spain), November 24, **2023**.

89. Ruthenium(II) and Osmium(II) complexes to kill cancer cells, **Gamez, P.** Seminar at the Laboratoire de Chimie de Coordination (CNRS), Toulouse (France), December 15, **2023**.

90. Small histidine-containing peptides to reduce copper-mediated oxidative stress in Alzheimer's disease (substitution of a cancelled talk)

Patrick Gamez

5<sup>th</sup> HC3A Meeting, "Electrochemistry: from basics to applications", Montpellier (France), January 15-19, **2024**.

91. Copper and amyloid- $\beta$  in Alzheimer's Disease

Patrick Gamez

Seminar at Universitat de Barcelona, Barcelona (Spain), April 11<sup>th</sup>, **2024**.

92. Mononuclear complexes of platinum group metals (PGMs) as efficient cytotoxic agents

Patrick Gamez

Anticancer Metal Drugs: New Developments and Future Perspectives 2<sup>nd</sup> Edition, Donostia-San Sebastián (Spain), May 15-17, **2024**.

93. "Small molecules to tackle oxidative stress and amyloid- $\beta$  aggregation in Alzheimer's Disease"

Patrick Gamez

Plenary Lecture at the IX Latin American Meeting on Biological Inorganic Chemistry, Havana (Cuba), November 4-8, **2024**.

**ORAL COMMUNICATIONS by nanoBIC Group members and Collaborators (2010-2025)**

1. Effects of Interaction of Copper(II) and Ruthenium(II) Coordination Compounds on Fibronectin and Tubulin, Two Proteins Involved in Cellular Processes  
Rodríguez, A.; García, J.; Gamez, P.; Lorenzo, J.; Moreno, V.  
*First Whole Action Meeting COST CM1105*, Granada (Spain), September 17-18, **2012**.
2. Supramolecular Effects on the Spin-Crossover Properties of Iron(II) Compounds with 2,2'-Dipyridylamino-Substituted Triazine Ligands  
Wannarit, N.; Youngme, S.; Roubeau, O.; Teat, S. J. and Gamez, P.  
*International Congress for Innovation in Chemistry (PERCH-CIC Congress VIII)*, Pattaya (Thailand), May 5-8, **2013**.
3. Preliminary radiochemical studies with the <sup>64</sup>Cu-labelled complex from the ligand 2-*tert*-butyl-6-(pyridine-2-yl-hydrazonomethyl)phenol (HL-1)  
Kłudkiewicz, D.; Maurin, M.; Garnuszek, P.; Bachon, A. -K., Gamez, P.; Mikołajczak, R.  
*2<sup>nd</sup> International Symposium on Functional Metal Complexes that Bind to Biomolecules*, Zurich (Switzerland), August 22-23, **2014**.
4. Quelación con péptidos para combatir la enfermedad de Alzheimer  
Ana B. Caballero, Laia Terol-Ordaz, Guillem Vázquez, Ernesto Nicolás, Andrea Mirats, Luis Rodríguez-Santiago, Mariona Sodupe, Patrick Gamez  
*IX Reunión científica de bioinorgánica*, Cádiz (Spain), June 14-17, **2015**.
5. Interaction of metallohelicates with DNA  
Rosa F. Brissos, Alberto Vázquez, David Aguila, Mohanad Darawsheh, Luis Korrodi-Gregorio, Ricardo Perez-Tomas, Leoni Barrios, Olivier Roubeau, Guillem Aromi, Patrick Gamez  
*IX Reunión científica de bioinorgánica*, Cádiz (Spain), June 14-17, **2015**.
6. Biodistribution of <sup>64</sup>Cu-HL-1 complex, an aid in the evaluation of potential chemotherapeutic agent  
Dominik Kłudkiewicz, Urszula Karczmarczyk, Michał Maurin, Ewa Laszuk, Piotr Garnuszek, Renata Mikołajczak, Patrick Gamez, Rosa F. Brissos  
*COST CM1105 WG3 Meeting*, Warsaw (Poland), September 1-2, **2015**.
7. Copper-chelating tripeptides: Binding properties and therapeutic potential against Alzheimer's disease  
Ana Belén Caballero, Laia Terol, Guillem Vázquez, Ernesto Nicolás, Patrick Gamez  
*7<sup>th</sup> Franco-Catalan Meeting - 1<sup>st</sup> HC3A Meeting*, Toulouse (France), January 26-27, **2016**.
8. Multifunctional short peptides for the design of anti-Alzheimer therapeutics  
Guillem Vázquez, Ana Belén Caballero, Ernesto Nicolás, Patrick Gamez  
*15<sup>th</sup> Iberian Peptide Meeting*, Porto (Portugal), February 10-12, **2016**.
9. Peptidic Chelating Agents: Towards the Development of Anti-Alzheimer's Disease Theranostics  
Vázquez G., Teruel C., Caballero A. B., Nicolás E., Gamez P.  
*13<sup>th</sup> European Biological Inorganic Chemistry Conference*, Budapest (Hungary), August 28-September 1, **2016**.
10. Tailoring gold nanoparticles as agents against the aggregation and the extracellular accumulation of amyloid peptides  
Ana B. Caballero, Alba Espargaró, Guillem Vázquez, Raimon Sabaté and Patrick Gamez  
*10th Anniversary of the Institut de Nanociència i Nanotecnologia*, Col·legi Oficial de Metges de Barcelona (Spain), January 26, **2017**.
11. Design of Anti-Alzheimer's Disease Theranostics: Fluorescent Chelating Peptides (**1<sup>st</sup> Best Oral Presentation Award**)  
Guillem Vázquez, Ana B. Caballero, Ernesto Nicolás and Patrick Gamez  
*II Workshop on Chemistry of Group 11 Elements*, Barcelona (Spain), January 26-27, **2017**.
12. Conjugación de péptidos quelantes a nanopartículas de oro para combatir la toxicidad asociada al cobre en la enfermedad de Alzheimer  
Guillem Vázquez, Ana B. Caballero, Ernesto Nicolás and Patrick Gamez  
*X Reunión Científica de Bioinorgánica (BioBilbao2017)*, Bilbao (Spain), July 9-12, **2017**.
13. Estrategias para reducir la toxicidad asociada al péptido beta-amiloide en la enfermedad de Alzheimer  
Ana B. Caballero, Guillem Vázquez, Alba Espargaró, Raimon Sabaté, Ernesto Nicolás and Patrick Gamez  
*X Reunión Científica de Bioinorgánica (BioBilbao2017)*, Bilbao (Spain), July 9-12, **2017**.
14. Interaction of beta-amyloid protein with polymer-coated gold nanoparticles  
Ana B. Caballero, Francesca Canyelles, Guillem Vázquez, Raimon Sabaté, Patrick Gamez  
*2<sup>nd</sup> HC3A Meeting*, Toulouse (France), January 18-19, **2018**.



15. Grafting of chelating agents to gold nanoparticles to reduce copper-induced beta-amyloid aggregation  
Guillem Vázquez, Ana B. Caballero, Ernesto Nicolás, Patrick Gamez  
*2<sup>nd</sup> HC3A Meeting*, Toulouse (France), January 18-19, **2018**.
16. Modulation of  $\beta$ -amyloid aggregation with functionalized gold nanoparticles  
A.B. Caballero, G. Vázquez, F. Canyelles, R. Sabaté and P. Gamez  
*IN<sup>2</sup>UB Annual Meeting*, Barcelona (Spain), June 5, **2018**.
17. First steps towards programming the interaction of polymer-coated nanoparticles with amyloids:  $\beta$ -amyloid protein as case study  
Ana B. Caballero, Guillem Vázquez, Francesca Canyelles, Raimon Sabaté, Patrick Gamez  
*7<sup>th</sup> EuCheMS Chemistry Congress*, Liverpool (United Kingdom), August 26-30, **2018**.
18. Antitumor Activity of Ru-arene Complexes with Monophosphines  
Arnald Grabulosa, Albert Gallen, Patrick Gamez  
*XXXVI GEQO Congress – Organometallic Chemistry Group*, Zaragoza (Spain), September 5-7, **2018**.
19. Nanochaperones: A hopeful therapeutic approach to fight conformational diseases?  
Ana B. Caballero  
The Annual Congress of Nanoscience and Nanotechnology (II CANN-2020) hosted by the Catalan Society of Nanoscience and Nanotechnology (SCN<sup>2</sup>), Barcelona (Spain), November 19, **2020**.
20. Strategies to control toxic amyloid aggregation from an inorganic chemist's perspective  
Ana Belén Caballero  
I Online Conferences of Metals in Medicine. Universidad Rey Juan Carlos I. Madrid (Spain)  
[www.metalsinmedicine.es](http://www.metalsinmedicine.es), november **2021**.
21. Study of metal nanochaperones as a potential therapeutic approach against Alzheimer's disease  
Ana B. Caballero, Jan Romano-deGea, Guillem Vázquez, Alba Espargaró, Raimon Sabaté, and Patrick Gamez  
*XXXVIII biennial meeting of the Spanish Royal Society of Chemistry (RSEQ)*, Granada (Spain), June 37-30, **2022**.
22. Control of toxic protein aggregation from an inorganic chemist's perspective  
Ana B. Caballero  
*XII Reunión Científica de Bioinorgánica (BioMadrid2022)*, Madrid (Spain), July 11-13, **2022**.
23. Inorganic tools to control toxic protein aggregation  
Ana Belén Caballero, Alba Espargaró, Raimon Sabaté and Patrick Gamez  
*IV Congreso sobre Materiales Multifuncionales*, Almuñécar (Spain), May 22-23, **2023**.
24. Controlled Release of Single-Stranded DNA from Protein-Coated Gold Nanoparticles  
Elba Guasch, Hugo Romero, Ana Belén Caballero, Sergi Hernández, Patrick Gamez  
*XIII Reunión Científica de Bioinorgánica (BioGranada2023)*, Granada (Spain), June 5-7, **2023**.
25. Treating Diseases in the Nanoscale  
Ana Belén Caballero  
Master Course Capita Selecta of Nanoscience and Nanotechnology; Katholieke Universiteit Leuven (Belgium), April **2023**.
26. Linking copper, tyrosines and protein aggregation in Alzheimer's disease  
Ana Belén Caballero  
ISI Atlas of Science; <https://atlasofscience.org/linking-copper-tyrosines-and-protein-aggregation-in-alzheimers-disease/>,  
November **2023**.

## POSTERS (1993-2024)

Thioethers and amines : potential good ligands in homogeneous catalysis ?

Fache F.; Gamez P.; Nour F.; Lemaire M.

*Europacat-1*, Montpellier (France), September 12-17, **1993**.

Heterogeneous asymmetric catalysis with C<sub>2</sub>-symmetric amine-modified rhodium/silica

P. Gamez, F. Fache, M. Lemaire and P. Mangeney

*Chicat*, Brussels (Belgium), October 25-26, **1993**.

Pd-catalyzed enantioselective allylic substitution, hydride transfer reduction of acetophenone with a chiral polymer as ligand

Gamez P., Dunjic B., Fache F., Lemaire M.  
*POC'94*, Venice (Italy), June 19-23, **1994**.

Pseudo C<sub>2</sub> poly(amides) and poly(ureas) as chiral ligands in asymmetric catalysis

Gamez P., Dunjic B., Fache F., Lemaire M.  
*BOSS 5*, Namur (Belgium), July 11 -15, **1994**.

Pseudo C<sub>2</sub> poly(amides) and poly(ureas) as inductive supports in a Meerwein-Ponndorf-Verley type reduction

Gamez P., Dunjic B., Fache F., Lemaire M.  
*European Japanese Symposium*, Rennes (France), September 14-16, **1994**.

Hydride transfer reduction of ketones in homogeneous phase and in heterogeneous phase with template effect

Gamez P., Dunjic B., Fache F., Pinel C., Lemaire M.  
*Sipy's Symposium on Asymmetric Catalysis*, Paris (France), June 22-23, **1995**.

Enantioselective Pd-catalyzed allylic alkylation in homogeneous and in heterogeneous phase

Gamez P., Dunjic B., Fache F., Lemaire M.  
*Sipy's Symposium on Asymmetric Catalysis*, Paris (France), June 22-23, **1995**.

Enantioselective catalysis using imprinted materials

Dunjic B., Gamez P., Pinel C., Lemaire M.  
*SFC-Palaiseau 1995*, Palaiseau (France), September 12-15, **1995**.

Utilization of C<sub>2</sub>-axis diamines and diureas in asymmetric catalysis

Gamez P., Dunjic B., Fache F., Lemaire M.  
*SFC-Palaiseau 1995*, Palaiseau (France), September 12-15, **1995**.

Molecular imprinting - Polymerized catalytic complexes in asymmetric catalysis

Locatelli F., Gamez P., Lemaire M.  
*4th International Symposium on Heterogeneous Catalysis and Fine Chemicals*, Basel (Switzerland), September 8-12, **1996**.

New nitrogen containing ligands in asymmetric catalysis

Touchard F., Fache F., Gamez P., Lemaire M.  
*French-Japanese Symposium on Medicinal and Fine Chemistry XII*, Deauville (France), September 22-25, **1996**.

The Copper-Catalysed Oxidative Coupling of 2,6-dimethylphenol

Gamez P., Aubel P. G., Khokhar S. S., Driessen W. L., Challa G., Reedijk J.  
*ADHOC '99*, York (England), July 19-23, **1999**.

Copper-Catalysed Oxidative Coupling of 2,6-Dimethylphenol: Insight into its Mechanism

Gamez P., Driessen W. L., Reedijk J.  
*NCCC 2000*, Lunteren (The Netherlands), January 17-19, **2000**.

Copper-Catalysed Oxidative Coupling of 2,6-Dimethylphenol: solvent and water effects

Gamez P., Steensma R. H., Driessen W. L., Reedijk J.  
*CW studiegroep Bio-Moleculaire Chemie*, Lunteren (The Netherlands), March 27-28, **2000**.

Polymerization of 2,6-Dimethylphenol Using a Supramolecular Dinuclear Copper Complex as Catalyst

Gamez P., Douzich B., Schuitema A., Driessen W. L., Reedijk J.  
*ICCC34*, Edinburgh (Scotland), July 9-14, **2000**.

Imidazole and Oxazoline Derivatives as Copper Ligands for the Oxidative Coupling of 2,6-Dimethylphenol

Gamez P., Simons C., Driessen W. L., Reedijk J.  
*NIOK-the Katalyseverbund NRW meeting: Frontiers in Homogeneous Catalysis*, Eindhoven (The Netherlands), October 9, **2000**.

Imidazole Derivatives as Copper Ligands for the Oxidative Coupling of 2,6-Dimethylphenol

Gamez P., Simons C., Aromí G., Driessen W. L., Reedijk J.  
*HRSMC symposium*, Leiden (The Netherlands), November 1, **2000**.

Two New Dinuclear Cu Complexes as Precursors for the Oxidative Coupling of 2,6-Dimethylphenol

Aromí G., Gamez P., Driessen W. L., Kooijman H., Spek A. L., Reedijk J.  
*HRSMC symposium*, Leiden (The Netherlands), November 1, **2000**.

An asymmetric [Mn<sub>3</sub>] triple-helicate from a symmetric pentadentate ligand

Aromí G., Carrero P., Gamez P., Roubeau O., Koijman H., Spek A. L., Driessen W. L., Reedijk J.  
*European Mid-Term Conference on the E.S.F. Programme "MOLECULAR MAGNETS"*, Davos (Switzerland), March 10-15, **2001**.

Macrocyclic Copper Complexes as Selective Catalysts for the Polymerization of 2,6-Dimethylphenol

Gamez P., Steensma R. H., Driessen W. L., Reedijk J.  
*ICBIC-10*, Florence (Italy), August 26-31, **2001**.

An Unprecedented 1D Ladder Coordination Polymer Obtained by Rational Ligand Design

Gamez P., de Hoog P., Roubeau O., Lutz M., Driessen W. L., Spek A. L., Reedijk J.  
*ICCC35*, Heidelberg (Germany), July 21-26, **2002**.

An Unprecedented 1D Ladder Coordination Polymer Obtained by Rational Ligand Design

de Hoog P., Driessen W. L., Gamez P., Reedijk J.  
*Dutch Polymer Days*, Lunteren (The Netherlands), February 10-11, **2003**.

Copper complexes with polyimidazole- ligands as models for copper proteins

Song Y., Gamez P., Stassen A. F., Reedijk J.  
*NCCC IV*, Noordwijkerhout (The Netherlands), March 5-7, **2003**.

Model Complexes for Dinuclear Copper Proteins - Copper Coordination Compounds with Ligands Containing Imidazole, Pyrazole or Pyridine Moieties

Song Y., Gamez P., Reedijk J.  
*DD5*, Noordwijkerhout (The Netherlands), April 10-12, **2003**.

Novel Dinucleating Phenol-based Compartmental Ligands in Mimics of the Type-3 Active Site

Koval I. A., Huisman M., Gamez P., Lüken M., Krebs B., Lutz M., Spek A. L., Reedijk, J.  
*DD5*, Noordwijkerhout (The Netherlands), April 10-12, **2003**.

Crystal Engineering: A Matter of Rational Ligand Design. Applications to Supramolecular Biomimetic Catalysis

Gamez P., de Hoog P., Lutz M., Spek A. L., Reedijk J.  
*DD5*, Noordwijkerhout (The Netherlands), April 10-12, **2003**.

Copper complexes with multi-nucleating imidazole-based ligands as models of copper proteins

Song Y., Gamez P., Stassen A., Lutz M., Spek A. L., Reedijk J.  
*NWO-CW, Ontwerp en Synthese, Structuur en Reactiviteit, Biomoleculaire Chemie*, Lunteren (The Netherlands), October 13-15, **2003**.

$\mu$ -Hydroxo-bridged dinuclear copper(II) complex as a functional model of catechol oxidase

Koval I. A., Gamez P., Belle C., Saint-Aman E., Pierre J. -L., Reedijk J.  
*NCCC V*, Noordwijkerhout (The Netherlands), March 8-10, **2004**.

Copper complexes of poly-imidazole ligands: unusual crystal structures and interesting dioxygen binding chemistry

Song Y., Gamez P., Reedijk J.  
*NCCC V*, Noordwijkerhout (The Netherlands), March 8-10, **2004**.

Unprecedented coordination polymers obtained by well-designed ligands

de Hoog P., Gamez P., Reedijk J.  
*NCCC V*, Noordwijkerhout (The Netherlands), March 8-10, **2004**.

Functional coordination polymers based on the 2,4,6-triazine moiety as building block

Gamez P., de Hoog P., Reedijk J.  
*IGK MIDWEEK*, Didam (The Netherlands), March 24-26, **2004**.

Unprecedented coordination polymers obtained by well-designed ligands

de Hoog P., Gamez P., Reedijk J.  
*IGK MIDWEEK*, Didam (The Netherlands), March 24-26, **2004**.

Spin-transition compounds of polypyridyl based ligands: possibility of heterometallic extended structures

Quesada M., de Hoog P., Roubeau O., Gamez P., Haasnoot J. G., Reedijk J.  
*IGK MIDWEEK*, Didam (The Netherlands), March 24-26, **2004**.

$\mu$ -hydroxo-bridged dinuclear Cu(II) complex as a functional model of catechol oxidase  
Koval I. A., Gamez P., Belle C., Saint-Aman E., Pierre J. –L., Reedijk J.  
*ICCC36*, Mérida (México), July 18-23, **2004**.

New DNA-Interacting Heterobimetallic Copper-Platinum Complexes  
Boldron C., de Hoog P., Gamez P., Sliedregt-Bol K., Pitié M., Meunier B., Reedijk, J.  
*EuroBIC7*, Garmisch-Partenkirchen (Germany), August 29-September 2, **2004**.

Triazine Based Multidentate Ligands as Building Blocks of Supramolecular Porous Materials and Catalysts  
Casellas H., Gamez P., Kozlevčar B., Golobič A., Reedijk J.  
*III Euchem conference on Nitrogen Ligands in Organometallic Chemistry and Homogeneous Catalysis*, Camerino (Italy), September 8-12, **2004**.

Heterobimetallic antitumor-active complexes  
de Hoog P., Boldron C., Gamez P., Sliedregt-Bol K., Pitié M., Meunier B., Reedijk J.  
*NWO meeting, Ontwerp en Synthese Structuur en Reactiviteit Biomoleculaire Chemie*, Luntenen (The Netherlands), October 25-27, **2004**.

Copper-catalysed C–H oxidation  
Gamez P., Boldron C., Reedijk J.  
*NCCC VI*, Noordwijkerhout (The Netherlands), March 7-9, **2005**.

C–H bond oxidation catalysed by a copper complex  
Boldron C., Gamez P., Reedijk J.  
*4èmes Journées Scientifiques de l'IMBG*, Autrans (France), March 21-22, **2005**.

Nuclease activity of heterodinuclear platinum/copper complexes, a novel approach in drug design  
de Hoog P., Boldron C., Gamez P., Sliedregt-Bol K., Pitié M., Meunier B., Reedijk J.  
*ICBIC-12*, Ann Arbor (USA), July 31-August 5, **2005**.

Catechol oxidase models: kinetic studies and reaction mechanism  
Koval I. A., Belle C., Semelci K., Saint-Aman E., Gamez P., Pierre J. –L., Reedijk J.  
*ICBIC-12*, Ann Arbor (USA), July 31-August 5, **2005**.

[Na<sub>2</sub>WO<sub>4</sub>/H<sub>2</sub>WO<sub>4</sub>]-based highly efficient biphasic catalyst towards alkene epoxidation, using H<sub>2</sub>O<sub>2</sub> as oxidant  
Maheswari Palanisamy U., de Hoog P., Hage R., Gamez P., Reedijk J.  
*ADHOC-9*, Köln (Germany), July 25-29, **2005**.

Biomimicking Galactose Oxidase: The Copper(II)–pyrimol model complex  
Maheswari Palanisamy U., Gamez P., Reedijk J.  
*NCCC VII*, Noordwijkerhout (The Netherlands), March 6-8, **2006**.

Iron(II)–catalyzed alkane/alkene oxidations using a rigid, bipyridine–based ligand  
Lappalainen K., Gamez P., Reedijk J.  
*NCCC VII*, Noordwijkerhout (The Netherlands), March 6-8, **2006**.

Catalytic oxidation of methyl substituted phenols  
Gupta S., Gamez P., Reedijk J.  
*NCCC VII*, Noordwijkerhout (The Netherlands), March 6-8, **2006**.

Cheap, easily prepared, tunable and bright red, green and yellow luminescent complex phosphors  
Mooibroek T. J., Gamez P., Fu W. –T., Reedijk J.  
*NCCC VII*, Noordwijkerhout (The Netherlands), March 6-8, **2006**.

Biomimicking of Galactose Oxidase by a Copper(II)–pyrimol Complex  
Maheswari Palanisamy U., Gamez P., Reedijk J.  
*EUROBIC-8*, Aveiro (Portugal), July 2-6, **2006**.

Triazine as building unit for the preparation of new magnetic materials  
Quesada M., Monrabal M., Aromí G., Roubeau O., de Hoog P., Teat S. J., Gamez P., Reedijk J.  
*ICMM10*, Victoria, B. C. (Canada), August 13-17, **2006**.

Linear arrays of paramagnetic metals assembled by bis- $\beta$ -diketonate ligands  
Aromí G., Gamez P., Kooijman H., Teat S. J., Roubeau O.

ICMM10 Victoria, B. C. (Canada), August 13-17, **2006**.

Copper catalyzed oxidation of *o*- or *p*-alkyl- substituted phenols

Gupta S., Gamez P., van Dijk J. A. P. P., Reedijk J.  
ICCC37, Cape Town (South Africa), August 13-18, **2006**.

Bipyridine-based ligands and their coordination compounds with iron(II) as oxidation or epoxidation catalysts

Lappalainen K., Ruitter G., Gamez P., Mutikainen I., Turpeinen U., Reedijk J.  
ICCC37, Cape Town (South Africa), August 13-18, **2006**.

Iron(II) complexes containing bipyridine-based ligands and their catalytic activity in alkane/alkene oxidations

Lappalainen K., Ruitter G., Gamez P., Mutikainen I., Turpeinen U., Reedijk J.  
ISHC15, Sun City (South Africa), August 20-25, **2006**.

Catalytic oxidation reactions of *o*- or *p*-alkyl substituted phenols using copper and N-ligands

Gupta S., Gamez P., van Dijk J. A. P. P., Reedijk J.  
ISHC15, Sun City (South Africa), August 20-25, **2006**.

Electron-rich electron-poor interactions involving the 1,3,5-triazine ring

Gamez P., Mooibroek T. J., Reedijk J.  
ECC1, Budapest (Hungary), August 27-31, **2006**.

DNA cleavage and cytotoxic properties of Cu(II), Fe(II), Zn(II), Ru(II) and Pt(II) complexes obtained from the novel ligand Hpyramol

Maheswari U. P., Roy S., Gamez P., Reedijk J.  
ECC1, Budapest (Hungary), August 27-31, **2006**.

A new strategy in anti-cancer drug design, linkage of a platinum moiety with the nuclease active Cu-3-clip-phen

de Hoog P., Özalp-Yaman S., Gamez P., Pitié M., Reedijk J., Meunier B.  
ECC1, Budapest (Hungary), August 27-31, **2006**.

Copper complexes as biomimetic models of catechol oxidase: mechanistic studies

Koval I. A., Selmeçzi K., Belle C., Saint-Aman E., Gamez P., Reedijk J.  
ECC1, Budapest (Hungary), August 27-31, **2006**.

Multidentate Ligands for Novel Magnetic Clusters or Nano-Structured Materials

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