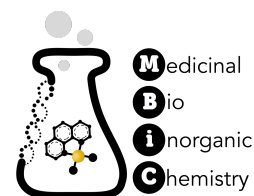


## Prof. Angela Casini – Curriculum Vitae

Department of Chemistry – School of Natural Sciences  
Technical University of Munich  
Lichtenbergstr. 4, 85748 Garching b. München, Germany.



### EMPLOYMENT RECORD

- 2019 – present **Chair of Medicinal and Bioinorganic Chemistry & Liesel Beckmann Distinguished Professor**, Technical University of Munich (DE)
- 2015 – 2019 **Chair of Medicinal and Bioinorganic Chemistry**, School of Chemistry, Cardiff University (UK)
- 2011 – 2015 **Assistant Professor**, Research Institute of Pharmacy, University of Groningen (NL)
- 2008 – 2011 **Principal Investigator**, Ecole Polytechnique Fédérale de Lausanne (EPFL, Switzerland) funded by the Swiss National Science Foundation  
AMBIZIONE program, project title: "Exploring the mechanisms of metal-based pharmacological agents *via* an integrated approach"
- 2005 – 2008 **Postdoctoral Fellow**, Department of Chemistry, University of Florence (IT) funded by the Italian Association for Cancer Research (AIRC)  
Topic: Synthesis and characterization of gold compounds for biological applications
- 2004 – 2005 **Postdoctoral Fellow**, Dulbecco Telethon Laboratory, Department of Endocrinology, University of Pisa, Ospedale di Cisanello (Italy). Topic: Molecular genetics of obesity
- 1999 **Graduate Laboratory Assistant**, Institute of Plant Genetics - CNR (Florence, Italy)

### EDUCATION

- 2010 **Certificate of Advanced Studies (CAS)** in "Management of Biotech, Medtech&Pharma Ventures", Ecole Polytechnique Fédérale de Lausanne (EPFL), Switzerland
- 2004 **PhD in Chemical Sciences**, Department of Chemistry, University of Florence, Italy.  
Dissertation: "*Carbonic Anhydrase Inhibitors with possible pharmacological applications*".  
Promotor: Prof. C.T. Supuran. Funded by Solvay Pharmaceuticals GmbH.
- 1998 **Master degree in Chemistry**, Department of Chemistry, University of Florence, Italy.  
Dissertation: "*DNA as a target for Ruthenium(III) complexes acting as anticancer agents*", 109/110.

### PUBLICATIONS

> **280 publications** in peer-reviewed internationally recognized journals, including 12 book chapters.

### IMPACT

- H-index: **77** as recently calculated by Scopus (Jan 2025)
- D-index: **82** (<https://research.com/scientists-rankings/chemistry/>) (Jan 2025)
- Number of citations in the last 5 years > 6600 (excluding self-citations)

## HONORS and AWARDS

|      |   |
|------|---|
| 2024 | Golden Chalk award for Pharmaceutical Radiochemistry teaching, by the Mathematics/Physics/Informatics/Chemistry Student Council (MPIC) at TUM   |
| 2023 | Elected Member of the European Academy of Sciences  |
| 2022 | Keynote speaker at the Nobel Symposium #168 <i>Visions of bio-inorganic chemistry: Metals and the molecules of life</i> – Stockholm, Sweden     |
| 2021 | 36 <sup>th</sup> H. Martin Friedman Lecture - Brooklyn College of The City University of New York, US   |
| 2019 | Liesel Beckmann Distinguished Professor   |
| 2019 | ACS Inorganic Chemistry Lectureship Award, San Diego, US  |
| 2019 | TGH Jones Memorial Lecture, University of Queensland, Australia   |
| 2018 | Burghausen <a href="#">"Diamond of Chemistry"</a> Award   |
| 2017 | 75 <sup>th</sup> anniversary of the <a href="#">Seminario de Cultura Mexicana</a> – Plenary lecture <i>"Metals and the Brain"</i> (Mexico City) |
| 2016 | Hans Fischer Senior Fellowship, Institute for Advanced Study, Technical University of Munich  |
| 2016 | August-Wilhelm Scheer Visiting Professorship, Technical University of Munich  |
| 2016 | International Scholar at Colorado State University, US  |
| 2014 | Listed by Thomson Reuters as one of the <i>"World's most influential scientific minds"</i> in the field of Pharmacology                         |
| 2014 | Early career investigator in GRC Metals in Medicine <i>"New Frontiers"</i> , Andover  |
| 2012 | European Medal for Biological Inorganic Chemistry (EUROBIC11 award -11 <sup>th</sup> European Biological Inorganic Chemistry Conference)        |
| 2011 | Rosalind Franklin Fellowship (University of Groningen, The Netherlands)   |
| 2008 | "AMBIZIONE" fellowship, Swiss National Science Foundation   |
| 2007 | Fellowship of the Italian Association for Cancer Research (AIRC)  |

## Visiting Professorships

National University of Singapore (NUS) 2025; Technical University of Munich (TUM) 2013 & 2014; University of Burgundy (France) 2013; University of Sassari (Italy) 2013 & 2014.

## INSTITUTIONAL RESPONSIBILITIES

|               |   |
|---------------|---|
| Since 12/2021 | <i>Ad interim</i> Manager of the TUM Chair of Pharmaceutical Radiochemistry |
| 2021-2024     | Member of the Council of the TUM School of Natural Sciences (NAT)           |
| Since 2021    | Deputy Head of Department of Chemistry (TUM, School of NAT)                 |
| 2021-2024     | Member of the TUM Appointment and Tenure Board (ATB) committee              |

## COMMISSIONS OF TRUST

|             |  |
|-------------|--|
| Since 2023  | Member of the Scientific Council of the Department of Chemical Sciences and Materials Technologies of the Italian National Research Council (CNR).     |
| Since 2023  | Member of the InnoHK scientific committee, Innovation and Technology Commission of the Government of Hong-Kong.  |
| Since 2023  | Member of the advisory board of the Institute of Chemical Synthesis and Homogeneous Catalysis ( <a href="#">ISQCH</a> ) of the University of Zaragoza. |
| Since 2022  | Permanent member of the advisory board of the Institute of Advanced Materials ( <a href="#">INAM</a> ) of the University Jaume I.                      |
| Since 2021  | Core member of the Munich Institute of Data Science ( <a href="#">MDSI</a> ), TUM.   |
| Since 2020  | Member of the selection committee for the GDCh <i>George de Hevesy</i> lectureship award.  |
| 2016 - 2019 | Member of the Inorganic Biochemistry Discussion Group, affiliated to the Royal Society of Chemistry (Dalton Division).                                 |
| 2016 -2019  | Member of the Translational Research Committee (TReC) – Cancer Research UK Cardiff centre.   |
| 2016        | Member of the Board of the Young Academy of Europe and Chair of the Selection Committee.   |

|            |   |
|------------|---|
| Since 2008 | Referee for the Deutsche Forschungsgemeinschaft (DFG), the Agence Nationale de la Recherche (ANR, France), the AvH foundation, the Boehringer Ingelheim Foundation, the Israel Science Foundation, the Medical Research Council (MRC, South Africa), the Swiss National Science Foundation, the University of Padova, The Austrian Science Foundation, the Royal Society of Chemistry, the U.S.-Israel Binational Science Foundation, the Worldwide Cancer Research fund (AICR), the Irish Research Council, the Wellcome Trust fund, the BBSRC, the EPSRC, the CRUK, the ERC starting, the EU COST, the EU MSCA. |
| Since 2011 | Member of international PhD evaluation committees.  |
| Since 2005 | Referee for <i>Nature Protocols</i> , <i>Nature Res. Commun.</i> , <i>PNAS</i> , <i>Angew. Chem. Int. Ed.</i> , <i>Chem. Commun.</i> , <i>Chemistry Eur. J.</i> , <i>Chem.</i> , <i>J. Med. Chem.</i> , <i>Dalton Trans</i> , <i>JACS</i> , <i>Organometallics</i> , <i>J. Organometallic Chem.</i> , <i>J. Inorg. Biochem.</i> , <i>J. Biol. Inorg. Chem.</i> , <i>Metallomics</i> , <i>Mol. Biosyst.</i> , <i>Inorg. Chem.</i> , <i>J. Pharm. Biomed. Anal.</i> , <i>J. Phys. Chem.</i> , <i>Chem. Sci.</i> , etc.  |

## CONFERENCE ORGANIZATION

|            |  |
|------------|--|
| 2024       | Chair of the session “ <i>Drug delivery and targeted therapies</i> ”, GRC Metals in Medicine, 23-28 June 2024, Andover, US.  |
| Since 2023 | Member of the international scientific committee of the International Symposium on Bioorganometallic Chemistry (ISBOMC 2025), 26-29 August 2025, Paris, France.  |
| 2023       | Member of the international scientific committee and Convenor of the theme “ <i>Chemistry Meets Biology for Health</i> ” for the 9 <sup>th</sup> <a href="#">EuChemS</a> conference, 7-11 July 2024, Dublin, Ireland.  |
| 2022       | Chair of the <a href="#">GRC Metals in Medicine</a> : “ <i>Advancing the Use of Metal-Based Compounds and Nanotheranostics for Personalized Medicine</i> ”, June 26-July 1, 2022, Andover, US.   |
| Since 2018 | Member of the International scientific committee of the “International Symposium on Metallomics” <a href="http://metallomics2019.pl/international-scientific-committee/">http://metallomics2019.pl/international-scientific-committee/</a>   |
| 2018       | Vice-Chair of the GRC “Metals in Medicine”, June 24-29, 2018, Andover, US.   |
| 2018       | Participant to the Planning Committee of the International Conference on Coordination Chemistry (ICCC18, Rimini, Italy).   |
| 2017       | Chair of the workshop “ <i>Inorganic Chemistry Meets Medicine</i> ”, Technical University of Munich, Germany <a href="http://www.ias.tum.de/events/tum-uob-ias-biomedchemistry-frontiers2017/home/">http://www.ias.tum.de/events/tum-uob-ias-biomedchemistry-frontiers2017/home/</a> |
| 2016       | Chair of the session “ <i>Emerging Analytical Methods</i> ” and organizer of the “ <i>Power Hour</i> ”, GRC Metals in Medicine, Andover, US.   |
| 2015       | Chair of the 1 <sup>st</sup> International Symposium on Clinical and Experimental Metallodrugs in Medicine: Cancer Chemotherapy (CEMM), Honolulu, Hawaii.  |
| 2013       | Chair of the Chemical Biology session at the Symposium Chemical and Synthetic Biology in the European Biophysics Congress, EBSA2013 (Lisbon, <a href="http://www.EBSA2013.org">www.EBSA2013.org</a> ).   |
| 2013       | Host of the annual WG meeting of COST Action CM1105 “ <i>Functional metal complexes that bind to biomolecules</i> ”.   |

## EDITORIAL ACTIVITIES

|               |   |
|---------------|---|
| 2025          | Guest Editor of the Special Collection “ <i>11<sup>th</sup> Asian Biological Inorganic Chemistry Conference</i> ” in Wiley.   |
| 2023          | Guest Editor of the Themed collection on “ <i>Metals in Chemical biology</i> ” in RSC <i>Chemical Biology</i> .   |
| Since 2022    | Associate Editor for the Springer/Nature journal <a href="#">Gold Bulletin</a> .  |
| 2021          | Guest Editor of the 2021 “ <i>Bioinorganic Chemistry</i> ” issue of <i>Curr. Opin. Chem. Biol.</i>  |
| 2020          | Guest Editor of the special issue on “ <i>Metals in Medicine</i> ” of <i>ChemMedChem</i> .  |
| 2019          | Lead Editor of the book “ <i>Metal-based Anticancer Agents</i> ”, RSC Metallobiology series, Vol. 14, Eds. <a href="#">A. Casini</a> , A. Vessieres, S. Meier-Menches, Royal Society of Chemistry.            |
| 2018          | Guest Associate Editor of the special issue of <i>Frontiers in Chemistry</i> on “ <i>Supramolecular Metal-Based Entities for Biomedical and Biological Applications</i> ”.                                    |
| 2017          | Co-Editor of the RSC <i>Dalton Transactions</i> themed issue “ <i>Frontiers in radionuclide imaging and therapy, a chemical journey from naturally radioactive elements to targeted theranostic agents</i> ”. |
| Since 2024    | Member of the Editorial Advisory Board of <i>ACS Accounts Chem. Res.</i>  |
| Since 2022    | Member of the Editorial Advisory Board of <i>Metallomics</i>  |
| Since 2020-24 | Member of the Editorial Advisory board of <i>Sustainable Materials and Technologies</i> .   |
| Since 2019    | Member of the Editorial Advisory Board of <i>Chemistry Eur. J.</i>  |
| 2018-2020     | Member of the Editorial Advisory board of <i>ACS Bioconj. Chem.</i>   |
| 2017-2020     | Member of the Editorial Advisory board of <i>Inorg. Chem.</i>   |
| 2016-2019     | Member of the Editorial Advisory board of <i>J. Biol. Inorg. Chem.</i>  |
| Since 2014    | Member of the Editorial board of <i>J. Inorg. Biochem.</i>  |

## NETWORKING ACTIVITIES

|           |   |
|-----------|---|
| 2019-2024 | Member of EU COST Action CA18202 "Network for Equilibria and Chemical Thermodynamics Advanced Research" (NECTAR)  |
| 2016      | UK responsible of the RSC Dalton UK-US-Canada collaborative network in Bioinorganic Chemistry "Targeting zinc finger proteins with metal compounds: implications for therapy and toxicity". |
| 2015-2018 | Member of EU COST Action TD1304 "The Network for the Biology of Zinc".  |
| 2013-2016 | MC member of EU COST Action CM1106 "Chemical Approaches to Targeting Drug Resistance in Cancer Stem Cells".   |
| 2012-2014 | MC member of EU COST Action CM0902 "Translocation of metallic ions across the biomembrane and their fate after uptake".   |
| 2012-2016 | MC member of EU COST Action CM1105 "Functional metal complexes that bind to biomolecules".  |
| 2005-2008 | Member of WG6 in COST D39 Action "Pt-based metallo-drugs; beyond cisplatin and its analogues".  |
| 2010      | Responsible for the Partenariat Herbert Curien (PHC) franco-suisse „Germaine de Staël" project 2010-01, "Novel bimetallic complexes as highly efficient anticancer agents".                 |
| 2005-2007 | Member of the "Azione-Integrata Italia-Spagna" HI2007-0153.   |

## CONTRIBUTIONS TO CONFERENCES

### Plenary Lectures

- 1) Plenary Lecture – 07-11/09/2025 - 7<sup>th</sup> EuChemS Inorganic Chemistry Conference EICC7, Belgrade. Serbia.
- 2) Plenary Lecture – 02-06/12/2024 - 11<sup>th</sup> Asian Biological Inorganic Chemistry Conference ([AsBIC-11](#)), Guilin, China. Title: "Assembling a new generation of theranostic agents with supramolecular coordination complexes".
- 3) Plenary Lecture – 08/11/2024 - Young Researcher Seminar @LCC (Coordination Chemistry Lab) CNRS, Toulouse, France. Title: "Broadening the scope of Bioinorganic Chemistry: 20 years in the making".
- 4) Plenary Lecture – 03-07/06/2024 - 8<sup>th</sup> EuChemS Conference on Nitrogen Donor Ligands ([N-LIGANDS24](#)), Cassis, France. Title: "Expanding the Imaging Toolbox with Metal-based Molecules Featuring N-ligands".
- 5) Plenary Lecture – 3-7/10/2023 - Annual Meeting of the Argentinian Society of Neuroscience ([SAN 2023](#)), San Luis, Argentina. Title: "Supramolecular theranostics to reach out the brain".
- 6) Plenary Lecture – 12-15/09/2023 – 49<sup>th</sup> Italian Conference of Inorganic Chemistry ([INORG2023](#)), Perugia, Italy. Title: "Organometallic Catalysis in Cells: From Mechanisms to Bio-Applications".
- 7) Plenary lecture – 4-8/09/2023 - 25<sup>th</sup> Conference on Organometallic Chemistry ([EuCOMC XXV](#)) Alcalá de Henares, Spain. Title: "Gold Chemistry in Water: From Catalysis to Medicine".
- 8) Plenary Lecture – 11-14/06/2023 - 16<sup>th</sup> International Symposium on Applied Bioinorganic Chemistry ([ISABC16](#)) Ioannina, Greece. Title: "Designing Theranostic Agents Following New Concepts in Medicinal Inorganic Chemistry".
- 9) Plenary Lecture – 25-29/04/2023 – VIII Latin American Meeting on Biological Inorganic Chemistry ([LABIC VIII](#)), Vina del Mar, Chile. Title: "Medicinal Chemistry @Gold: A Journey from Catalysis to Medicine".
- 10) Cross-cutting Plenary Lecture – 18-22/07/2022 - 2<sup>nd</sup> International Conference on Noncovalent Interactions ([ICNI 2022](#)) Strasbourg, France. Title "Supramolecular Metal-based Compounds and Interactions in Medicine: a New Way Forward".
- 11) Plenary Lecture – 10-11/03/2022 - 8<sup>th</sup> Latin American Symposium on Organometallic Chemistry ([SiLQOM08](#), virtual). Title: "Broadening the Scope of Bioorganometallic Chemistry: From Catalysis to Biomedical Applications".
- 12) Plenary Lecture – 28-29/10/2021 - Journées Méditerranéennes des Jeunes Chercheur(e)s (JMJC) Montpellier, France. Title: "Broadening the Scope of Bioinorganic Chemistry: from Medicine to Catalysis and Beyond".
- 13) Plenary Lecture – 26/11/2021 - Irish Biological Inorganic Chemical Society Meeting (IBICS-5) Virtual. Title "Supramolecular coordination complexes for biomedical applications: a new generation of targeted drug delivery systems & *theranostic* agents".
- 14) Plenary Lecture – 15/10/2020 – Annual meeting of the Brazilian Chemical Society (Virtual). Title: "Bioinorganic chemistry as an enabling technology".
- 15) Plenary Lecture – 11-14/06/2019 – International Symposium on Metal Complexes 2019 (ISMEC-2019), Debrecen, Hungary. Title: "Supramolecular coordination complexes for biomedical applications: a new generation of drug delivery systems and beyond".
- 16) Plenary lecture – 21/05/2019 – Georgian Bay International Conference on Bioinorganic Chemistry (CanBIC-7) Parry Sound, Canada.
- 17) Plenary Lecture – 26/11/2018 – XXXII Symposium 'Nuovi Orientamenti nella Sintesi Organica', University of Milan, Italy.
- 18) Plenary Lecture – 09/11/2018 - XXXII Regional Meeting of the Brazilian Chemical Society, Juiz de Fora, Minas Gerais State, Brazil.
- 19) Plenary Lecture – 31/07/2017 - 18<sup>th</sup> International Conference on Biological Inorganic Chemistry (ICBIC18, Florianopolis).
- 20) Plenary Lecture – 03/12/2013 - Symposium in occasion of the 100<sup>th</sup> Anniversary of Werner's Nobel Prize - Universidad Nacional Autónoma de México (UNAM), Mexico. Title: "Metal-based compounds: new tools in medicinal chemistry and chemical biology".
- 21) Plenary Lecture – 16/09/2012 - 11<sup>th</sup> European Biological Inorganic Chemistry Conference, Granada, Spain. Title: "Emerging protein targets for metallodrugs: new insights".
- 22) Plenary Lecture – 01/07/2011 - Opening Ceremony of the Interdepartmental Research Center "Role of Metal Ions in Biomedical Sciences - BIOMÉTION", University of Padova, Italy. Title: "Exploring the mechanisms of metal-based pharmacological agents via an integrated approach".

## Keynote Lectures

- 23) 11-14/05/2025 – [Gold 2025](#), San Sebastian, Spain. Title: “TBD”.
- 24) 19-24/01/2025 – Gordon Research Conference (GRC) [Metals in Biology](#), Ventura, US. Title: “Multifaced Organogold Chemistry for Therapy and Imaging”, participation withdrawn due to fire alerts in LA.
- 25) 29-31/05/2024 - 13<sup>th</sup> Conference Or-Nano ([Or-Nano](#)), Montpellier, France. Title: “Harnessing the potential of NHC@AuNPs for biomedical applications”.
- 26) 25-27/02/2024 - [Suprachem](#), Ulm, Germany. Title: “Supramolecules for Targeted Therapy and Imaging”.
- 27) 30/11-01/12/2023 – Trends in Enzyme Catalysis (TrEnCa), Benicassim, Spain. Title: “Catalysis in cells with organometallic compounds: opportunity for therapy and imaging”.
- 28) 18-21/09/2023 - International Symposium on Bioorganometallic Chemistry (ISBOMC-2023), Braunschweig, Germany. Title: “Insights into the interactions of organogold compounds with biomolecules enable new therapeutic approaches”.
- 29) 28-08/02-09 2022, International Conference on Coordination Chemistry, ICC44 – Rimini, Italy. Title: “CATALYSIS@GOLD: New Perspectives for Biomedical Applications”.
- 30) 29-05-2022, [Nobel Symposium #168](#) Visions of bio-inorganic chemistry: Metals and the molecules of life – Stockholm, Sweden. Title: “Supramolecular bioinorganic chemistry for biomedical applications: a new perspective”.
- 31) 19/09/2021, Societa' Chimica Italiana Annual Meeting (virtual). Title: “Gold-templated reactions in biological systems: from medicine to catalysis”.
- 32) 19/08/2021 – IUPAC CCCE 2021 - 48<sup>th</sup> World Chemistry Congress & 104<sup>th</sup> Canadian Chemistry Conference and Exhibition, symposium “Innovative Uses of Metals in Biology and Medicine” (virtual). Title: “Supramolecular metallacages for biomedical applications: a new generation of targeted drug delivery systems and beyond”.
- 33) 31/08/2020 - 25<sup>th</sup> Anniversary Symposium *Chemistry Eur. J.* – virtual event. Title: “Bioinorganic chemistry as an enabling technology”.
- 34) 01-04/03/2020 - Copper Cancer Consortium, The Banbury Center, Cold Spring Harbor Laboratory, New York.
- 35) 02-05/06/2019 – International Symposium on Applied Bioinorganic Chemistry (ISABC15), Nara, Japan.
- 36) 30/06-03/07/2019 - 7<sup>th</sup> International symposium on Metallomics, Warsaw, Poland.
- 37) 26-30/08/2018 - International 11<sup>th</sup> European Biological Inorganic Chemistry Conference, Birmingham, UK.

## Invited Lectures

- 38) 15-20/12/2025 - Symposium on “*N-heterocyclic carbenes for next generation materials from 0 to 3 dimensions*” (#ING021) at [Pacifichem 2025](#), Honolulu, USA.
- 39) 30/07-04/08/2018 - International Conference on Coordination Chemistry (ICCC43) – Sendai, Japan.
- 40) 18-22/10/2016 - V Latin American Meeting on Biological Inorganic Chemistry – Queretaro, Mexico.
- 41) 03/08/2016 - 42<sup>nd</sup> International Conference in Coordination Chemistry (ICCC42) - Brest, France.
- 42) 23/07/2015 - 17<sup>th</sup> International Conference on Biological Inorganic Chemistry (ICBIC17) - Beijing, China.
- 43) 13/06/2015 - 13<sup>th</sup> International Symposium on Applied Bioinorganic Chemistry (ISABC13) - Galway, Ireland.

## TEACHING & RELATED ACTIVITIES

### Teaching qualifications

- |      |   |
|------|---|
| 2013 | Dutch <i>Basiskwalificatie Onderwijs</i> (teaching qualification, BKO), University of Groningen.      |
| 2009 | <i>"Cultore della Materia"</i> in "General and Inorganic Chemistry - CHIM03", University of Florence. |

### Curriculum Development

#### @TUM

- |            |  |
|------------|--|
| Since 2021 | Responsible for the Studienschwerpunkt Pharmazeutische Radiochemie   |
| Since 2020 | Module Leader for “ <i>Allgemeine und Anorganische Chemie und Übung</i> ” für BSc. Engineering Science (CH1204, Chemie I). |
| Since 2020 | Lecturer Anorganische Molekülchemie für BSc. Chemie (CH4103).  |
| Since 2020 | Module Leader for the elective course “ <i>Drug Discovery Chemistry</i> ”, TUM.  |
| 2019-2023  | Module leader for the elective course “ <i>Organometallics: principles and applications</i> ”, TUM.                        |

#### @Cardiff University

- |             |   |
|-------------|---|
| 2018 – 2019 | <b>Director of Postgraduate Taught Masters</b> (including MSc Medicinal Chemistry, Catalysis and Biological Chemistry, School of Chemistry, Cardiff University).  |
| 2015 – 2019 | Coordinator of the MSc Medicinal Chemistry (Cardiff University).  |
| 2018 – 2019 | Lecturer, “ <i>Chemistry of Life</i> ” course (MChem, Cardiff University).  |
| 2016 – 2019 | Coordinator, core module “ <i>Trends in Drug Discovery</i> ” (MSc MedChem, Cardiff University).   |
| 2016 – 2019 | Lecturer, “ <i>Frontiers in Ligand Design</i> ” course (MChem, Cardiff University).   |
| 2015 – 2019 | Lecturer, “ <i>Bioinorganic Chemistry</i> ” course (MChem, Cardiff University).   |
| 2015 – 2019 | Member of the Teaching and Learning committee of the School of Chemistry, and member of the Exam Scrutiny Committee for the Inorganic and Bioinorganic chemistry topics of the BSc and MSc Chem, as well as member of the Exam Scrutiny Committee of the MSc MedChem. |

#### @University of Groningen

- 2014 – 2015 Coordinator of the module on “Innovative Research Techniques” (including drug development, genomics, expression manipulation, proteomics, imaging, *in vivo* techniques) - TOP Master in Medical Pharmaceutical Drug Innovation (MPDI, University of Groningen) .
- 2011- 2015 Coordinator of the course “*Pharmaceutical Inorganic Chemistry*” (1<sup>st</sup> year Master in Pharmacy, University of Groningen).
- 2011- 2015 Lecturer, “*Infections and Tumors*” course (3<sup>rd</sup> year BSc in Pharmacy, University of Groningen).
- 2006 Lecturer, “*Biophysical Techniques*” within the Degree in Biotechnologies (University of Florence), including laboratory.

#### @University of Florence

- 2006-2011 Gave seminars for the PhD Course in Chemistry (University of Florence) on “Metals and Metal Complexes in Biological Systems”.

#### International Schools

- 2025 *Plenary lecture @ International School on Organometallic Chemistry* [Marcial Moreno Mañas](#), Universitat Jaume I (Castellon, Spain), June 11-13<sup>th</sup>.
- 2020 Lecturer, Doctoral School of Chemical Sciences, University of Milan (Italy) (online).
- 2019 & 2020 Lecturer, MSc Medicinal Chemistry course of the University of Wroclaw (Poland).
- 31-08-2019 *Invited lecture* - XI edition of the International School of Organometallic Chemistry (ISOC 2019, Camerino, Italy)
- 12-05-2019 *Invited lecture* - Doctoral Training School “*Chemistry of Metals in Biological Systems*”, Oeiras, Portugal.
- 27-05-2017 *Invited lecture* – FEBS Combined practical and lecture course “*Chemistry of Metals in Biological Systems*”, Université Catholique de Louvain, Louvain-la-Neuve, Belgium.  
<http://cpaquete.wixsite.com/louvain2017>
- 07-09-2014 *Opening lecture* - Advanced Lecture Course “*Chemistry of Metals in Biological Systems*” Université Catholique de Louvain, Louvain-la-Neuve, Belgium.

#### SUPERVISION OF (UNDER)GRADUATE STUDENTS AND POST DOCTORAL FELLOWS

- 2011-2023 Supervised 23 PhDs, > 25 post-docs, > 50 Master students, 16 Bachelors and since @TUM regularly hosts Forschungspraktika for Master students in Chemistry and Biochemistry (ca. 6 weeks, > 30 students since 2020).

#### FUNDING ID (selected)

- 2024-28 CRC/TRR 387: Functionalizing the Ubiquitin System against Cancer (UbiQancer) (ca. 300 K€ per PI) – Principal Investigator (project B03).
- 2024-27 EIC Pathfinder Open “*Supramolecular Agents as Radiotheranostic Drugs*” (SMARTDrugs) (ca. 4 M€) – Coordinator.
- 2021-25 TUM Innovation Network “*Artificial Intelligence Powered Multifunctional Materials Design*” (ARTEMIS) (ca. 3 M€) – Coordinator.
- 2017-20 Ser Cymru II COFUND Marie Curie fellowship – 3-year post doc fellowship (210 K€) – Host Lab.
- 2016 Life Science Research Network Wales, 1 post doc fellowship (50 K€) - Principal Investigator.
- 2016-18 Hans Fischer Senior Fellowship (140 K€) - Principal Investigator.
- 2014 Linxis Pharmaceuticals supported project on the development of targeting strategies to treat liver fibrosis (800 K€) - Principal Investigator.

#### PATENTS

- 1) International Patent Application - “Inhibitors of aquaglyceroporins, methods and uses thereof”, **2012**, PCT/IB2012/053418, N/Ref. PPI45892.
- 2) European patent application – “Gold(III) compounds as Tartrate Resistant Acid Phosphatase inhibitors, and therapeutic uses thereof”, **2016** (EP 15187373.4).
- 3) International Patent Application – “A Radiopharmaceutical Compound Comprising a Silicon-Based Fluoride Acceptor Group”, **2024**, granted (EP 24 191 696.4).
- 4) International Patent Application – “A C-X-C Motif Chemokine 4 Receptor Ligand for Radio-Imaging and Therapy” submitted (EP 24 154 492.3).

#### PREVIOUS AND CURRENT COOPERATION PARTNERS (selected)

Having developed my academic career at different EU/Swiss/UK institutions, my network of collaborations counts ca. 60-70 national and international laboratories worldwide, as clearly evidenced by my publications list. Below, I list some of the most recent or long-standing cooperation partners:

National University of Singapore, University of Campinas, University of British Columbia, Cardiff University, King's College London, University of Oxford, Trinity College Dublin, University College Dublin, University of Zurich, University of Barcelona, Universita' Autonoma de Madrid, University of Zaragoza, CIC biomaGUNE (San Sebastian), University of Lisbon, University of Toulouse, University of Pau, University of Padova, University of Palermo, Universita' di Milano Statale, City University of New York - Brooklyn College, Duke University, University of Vienna, University of Braunschweig, Ludwig Maximilian University.