

EUROPEAN CURRICULUM VITAE  
**POZZI CECILIA**

**PERSONAL INFORMATION**

Name **POZZI CECILIA**  
Address VIALE DEI MILLE, 83/21  
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Nationality Italian  
Date of birth 13/10/1983  
Researcher unique identifiers:  
ResearcherID **A-6246-2015**  
ORCID **0000-0003-2574-3911**

**WORK EXPERIENCE**

- Dates (from – to) 01/11/2019 - today
- Name and address of employer University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Biotechnology, Chemistry and Pharmacy (L.240/2010)
  - Position held Associate professor
  - Academic discipline CHIM/03 General and Inorganic chemistry
  - Academic recruitment field 03/B1 Principles of chemistry and inorganic systems
- Dates (from – to) 01/11/2016 – 31/10/2019
- Name and address of employer University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Biotechnology, Chemistry and Pharmacy (L.240/2010)
  - Position held Senior Researcher/Assistant professor
  - Academic discipline CHIM/03 General and Inorganic chemistry
  - Academic recruitment field 03/B1 Principles of chemistry and inorganic systems
- Dates (from – to) 15/07/2014 – 31/10/2016
- Name and address of employer University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Biotechnology, Chemistry and Pharmacy (L.240/2010)
  - Position held Postdoctoral position
  - Academic discipline CHIM/03 General and Inorganic chemistry
  - Academic recruitment field 03/B1 Principles of chemistry and inorganic systems
    - Main research project NMTrypl - New Medicines for Trypanosomatidic Infections
    - Main activities Gene cloning, protein expression, purification and characterization, and protein crystallography
- Dates (from – to) 24/03/2014 - 23/05/2014
- Name and address of employer Consorzio Interuniversitario Risonanze Magnetiche su Metalloproteine  
Paramagnetiche-CIRMMP - Via Luigi Sacconi 6 – 50019 Sesto Fiorentino (FI), Italy
  - Working location Dept of Biotechnology, Chemistry and Pharmacy (University of Siena)
  - Position held Scholarship holder
  - Main research project New molecules for Trypanosomatidic diseases
- Main activities and responsibilities Gene cloning, protein expression, purification and characterization, and protein crystallography
- Dates (from – to) 01/03/2013 - 28/02/2014

- Name and address of employer University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Biotechnology, Chemistry and Pharmacy (L.240/2010)
- Position held Postdoctoral position
- Academic discipline CHIM/03 General and Inorganic chemistry
- Academic recruitment field 03/B1 Principles of chemistry and inorganic systems
- Main research project FINDING - Innovative drugs for neurodegenerative pathologies
- Main activities Gene cloning, protein expression, purification and characterization, and protein crystallography
- Dates (from – to) 01/02/2012 - 31/01/2013
- Name and address of employer University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Chemistry (until 31/10/2012), Dept of Biotechnology, Chemistry and Pharmacy (L.240/2010, since 01/11/2012)
- Position held Postdoctoral position
- Academic discipline CHIM/03 General and Inorganic chemistry
- Main research project FINDING - Innovative drugs for neurodegenerative pathologies
- Main activities Gene cloning, protein expression, purification and characterization, and protein crystallography
- Dates (from – to) 01/11/2010 - 31/01/2012
- Name and address of employer Consorzio Interuniversitario Risonanze Magnetiche su Metalloproteine  
Paramagnetiche-CIRMMMP - Via Luigi Sacconi 6 – 50019 Sesto Fiorentino (FI), Italy
- Working location Dept of Chemistry (University of Siena)
- Position held Scholarship holder
- Main research project Structural studies of iron uptake and storage by bullfrog ferritin
- Main activities and responsibilities Gene cloning, protein expression, purification and characterization, and protein crystallography
- Dates (from – to) 01/10/2007 - 30/09/2010
- Name and address of employer University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Chemistry
- Position held PhD student
- Doctoral School Chemical Sciences (XXIII cycle) (molecular field)
- Main activities and responsibilities Gene cloning, protein expression, purification and characterization, and protein crystallography
- Foreign research period Laboratory of Prof. William N. Hunter, University of Dundee (UK)  
(one trimester: June - August 2010) Research activities: expression, purification and crystallization of the bifunctional enzyme dihydrofolate reductase-thymidylate synthase from *Leishmania major* and *Leishmania infantum*

## EDUCATION AND TRAINING

- Dates (from – to) 01/10/2007 - 30/09/2010
- Name and type of organization University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Chemistry
- Doctoral School Chemical Sciences (XXIII cycle)
- Title of qualification awarded Doctoral degree (Doctor Europaeus) in Chemical sciences (20/12/2010)
- Title of PhD thesis Crystallographic studies of proteins targets for the design of new inhibitor molecules.
- Advisor Professor Stefano Mangani
- Dates (from – to) 01/10/2002 - 18/07/2007
- Name and type of organization University of Modena and Reggio Emilia – via Università, 4 – 41100 Modena, Italy  
Dept of Pharmaceutical Sciences
- Title of qualification awarded Master's degree Pharmaceutical Chemistry and Technology (final degree 110/110, 18/07/2007)
- Level in national classification Laurea specialistica in Chimica e Tecnologia Farmaceutiche - 14/S Classe delle lauree specialistiche in farmacia e farmacia industriale
- Title of degree thesis AmpC beta-lactamases: exploration of additional binding sites through optimization of a known lead.
- Advisors Dr Donatella Tondi and Professor Maria Paola Costi

## TEACHING ACTIVITIES

- Dates From the Academic Year 2021/2022
- Name and type of organization University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Biotechnology, Chemistry and Pharmacy
  - Academic program Second cycle degree CHEMISTRY (Corso di Laurea Magistrale Chimica, LM-54)
  - Title of the course Advanced Inorganic Chemistry II
- Dates Academic Year 2020/2021
- Name and type of organization University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Biotechnology, Chemistry and Pharmacy
  - Academic program First cycle degree CHEMICAL SCIENCES (Corso di Laurea in Scienze Chimiche, L-27)
  - Title of the course Inorganic Chemistry I and II - Module I: Inorganic Chemistry I with Laboratory (Chimica inorganica I e II - Modulo I: Chimica Inorganica I con Laboratorio)
- Dates Academic Years 2019/2020 and 2020/2021
- Name and type of organization University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Life Sciences
  - Academic program First cycle degree BIOLOGY (Corso di Laurea in Scienze Biologiche, L-13)
  - Title of the course General and Inorganic Chemistry (Chimica generale ed inorganica)
- Dates Academic Years 2019/2020 and 2020/2021
- Name and type of organization University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Life Sciences
  - Academic program First cycle degree BIOLOGY (Corso di Laurea in Scienze Biologiche, L-13)
  - Title of the course General and Inorganic Chemistry (Chimica generale ed inorganica) - Pre-course
- Dates From the Academic Year 2016/2017
- Name and type of organization University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Biotechnology, Chemistry and Pharmacy
  - Academic program First cycle degree CHEMICAL SCIENCES (Corso di Laurea in Scienze Chimiche, L-27)
  - Title of the course Inorganic Chemistry III (Chimica inorganica III)
- Dates Academic Years 2015/2016 - 2016/2017
- Name and type of organization University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Biotechnology, Chemistry and Pharmacy
  - Academic program Second cycle degree CHEMISTRY (Corso di Laurea Magistrale Chimica, LM-54)
  - Title of the course General and Inorganic Chemistry (Chimica generale e inorganica) - Pre-course
- Dates Academic Years 2014/2015 – 2019/2020
- Name and type of organization University of Siena – via Banchi di Sotto, 55 – 53100 Siena, Italy  
Dept of Biotechnology, Chemistry and Pharmacy
  - Academic program Doctoral research school in Chemical and Pharmaceutical sciences
  - Title of the course Structure, function and interaction of proteins

## SKILLS AND COMPETENCES

- Mother tongue Italian
  - Other languages English (fluent speaking, reading, and writing)
- Technical skills and competences Gene cloning and engineering (recombinant DNA technology).  
Protein expression, purification and characterization (CD, DSF, UV/VIS spectroscopy, MS).  
Protein crystallography. Beamline user at the main European synchrotron facilities such as Diamond Light Source (Didcot, UK), ESRF (Grenoble, France), Elettra Synchrotron (Trieste, Italia), PetraIII (Hamburg, Germany). Good knowledge of the main biocrystallographic software (CCP4 package) and molecular graphic software (e.g. Pymol and CCP4mg).

## Participation in founded projects

- Cost Action CA21111 “One Health drugs against parasitic vector borne diseases in Europe and beyond (OneHealthdrugs)” 2022-today, Working Group 1 (WG1) vice leader (Principal Investigator Prof Maria Paola Costi, University of Modena and Reggio Emilia).
- “Thymidylate synthase dimer disrupters induce DNA damage, halt cell growth, overcome drug resistance in colorectal cancer” Project founded by the Italian Association for Cancer Research (Associazione Italiana per la Ricerca sul Cancro, AIRC), 2022-today (Principal Investigator Prof Maria Paola Costi, University of Modena and Reggio Emilia, IG 25785).
- European Lead Factory QHL Programme “Target-directed screening programme. Discovery of new dual targeting chimeric inhibitors of PTR1-DHFR from trypanosomatidic parasites” (ELFSC34\_10), 2021-today (Principal Investigator Prof Maria Paola Costi, University of Modena and Reggio Emilia).
- EuroNeurotrophin project within the European Union's Horizon 2020, H2020-MSCA-ITN-2017 (ETN), grant agreement No 765704, 01.01.2018 – 30.03.2022
- “Protein protein interaction inhibitors of thymidylate synthase against colorectal cancer” Project founded by the Italian Association for Cancer Research (Associazione Italiana per la Ricerca sul Cancro, AIRC), 2015-2018 (Principal Investigator Prof Maria Paola Costi, University of Modena and Reggio Emilia, IG 16977).
- “New Medicines for Trypanosomatidic Infections (NMTrypl)”, project within the European Union's Seventh Framework Programme (FP7), 01/02/2014-31/01/2017 (grant agreement no 603240)
- “FINDING - Innovative drugs for neurodegenerative pathologies” (“FINDING – Medicine innovative per malattie neurodegenerative”) project within the European action POR CREO FESR 2007-2013, 2012-2013
- “DROC Targeting drug resistance in ovarian cancer”. Project founded by the Italian Association for Cancer Research (Associazione Italiana per la Ricerca sul Cancro, AIRC), 2010-2013 (Principal Investigator Prof Maria Paola Costi, University of Modena And Reggio Emilia, IG 10474)
- “Mechanistic structural biology: methodological and biological advances” (“Biologia strutturale meccanicistica: avanzamenti metodologici e biologici”) project within the Italian PRIN (Progetti di ricerca di Rilevante Interesse Nazionale) 2009, 2009-2012 (project 2009FAKHZT, Principal Investigator Prof. Ivano Bertini, University of Florence)
- “LIGands to interfere with Human TS – LIGHTS”, STREP project within the European Union's Sixth Framework Programme (FP6), 01/10/2006-31/03/2010 (grant agreement 037852, Principal Investigator Prof Maria Paola Costi, University of Modena And Reggio Emilia)
- Diamond Light Source (DLS) BAG proposals MX8574, MX11690, MX15831 and MX21741. Principal investigator: Prof Stefano Mangani (University of Siena), and MX29907 Principal investigator: Prof Cecilia Pozzi (University of Siena).
- ESRF BAG proposals MX1640, MX1750, MX1841, MX1949. Main Proposer: Prof. Giuseppe Zanotti (University of Padova)
- Elettra proposals 20125458, 20135503, 20135511, 20140562, 20140567, 20145527, 20150553. Principal Investigator: Dr Cecilia Pozzi (University of Siena)
- PetralIII proposal MX-318. Principal Investigator: Dr Cecilia Pozzi (University of Siena)

## Institutional roles

2021-today, Member of the Managing Board and Scientific Committee of

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                           | <p>Consorzio Interuniversitario Risonanze Magnetiche su Metalloproteine Paramagnetiche-CIRMMP, Sesto Fiorentino (Florence), Italy</p> <p>2019-today, Member of the board of PhD teachers, Doctoral Research School in Chemical and Pharmaceutical Sciences, University of Siena, Italy</p> <p>2019-today, Member of the Orientation Committee Department of Biotechnology, Chemistry and Pharmacy, University of Siena, Italy</p> <p>2016-today, Member of the Faculty Committee, Department of Biotechnology, Chemistry and Pharmacy, University of Siena, Italy</p>                                                                                                     |
| Supervision of graduate students and postdoctoral fellows | 2 Postdocs/ 5 PhD/ 9 Master / 18 Bachelor Students (Department of Biotechnology, Chemistry and Pharmacy, University of Siena, Italy)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Reviewer certificates and activities                      | <p>ACS Reviewer Lab certificate (awarded on December 20, 2018).</p> <p>Reviewer for Scientific Reports, ACS Inorganic Chemistry, ACS Chemical Biology, ACS Medicinal Chemistry Letters, ChemMedChem, Bioorganic Chemistry, Medicinal Research Reviews, International Journal of Molecular Sciences, Biomolecules, Antibiotics, Molecules, Plants, Crystals, Cancers, Parasitology International, Microorganisms, Pharmaceuticals, Toxins, Vaccines, Marine Drugs, Future Medicinal Chemistry, Topics in Current Chemistry, Computational and Structural Biotechnology Journal, Future Medicinal Chemistry, Journal of Integrative Neuroscience, Journal of Chemistry.</p> |
| Guest editor                                              | <p>Guest editor Special Issue "Targeting <math>\beta</math>-lactamases to Fight Bacterial Resistance to <math>\beta</math>-lactam Antibiotics" for Antibiotics (ISSN 2079-6382)</p> <p>Guest editor Special Issue "Recent advances in the Development of Beta-Lactamase Inhibitors" for Antibiotics (ISSN 2079-6382)</p> <p>Guest editor Special Issue "Modulators of 14-3-3 Protein-Protein Interactions involved in Cancer Pathology" for Frontiers in Molecular Biosciences (ISSN 2296889X)</p>                                                                                                                                                                        |
| Abilitazione scientifica nazionale                        | Professore di II fascia, settore concorsuale 03/B1 Fondamenti delle scienze chimiche e dei sistemi inorganici (conseguita il 10 settembre 2019, valida fino a 10/09/2025).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Memberships in Scientific Societies                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| • Dates (from – to)                                       | 2014 – today                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| • Society                                                 | Italian Crystallographic Association (AIC), <a href="http://www.cristallografia.org">http://www.cristallografia.org</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| • Dates (from – to)                                       | 2014 – today                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| • Society                                                 | European Crystallographic Association (ECA), <a href="http://www.ecanews.org">http://www.ecanews.org</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| • Dates (from – to)                                       | 2013 – today                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| • Society                                                 | Italian Chemical Society (SCI), <a href="https://www.soc.chim.it">https://www.soc.chim.it</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Driving licence                                           | B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## BIBLIOMETRIC PARAMETERS

H-index  
Total citations

18 (Scopus database, updated on 06-06-2023)  
1182 (Scopus database, updated on 06-06-2023)

## SCIENTIFIC PUBLICATIONS

## JOURNAL ARTICLES

1. Pozzi C, Vanet A, Francesconi V, Tagliazucchi L, Tassone G, Venturelli A, Spyrikis F, Mazzorana M, Costi MP, Tonelli M. **Antitarget, Anti-SARS-CoV-2 Leads, Drugs, and the Drug Discovery-Genetics Alliance Perspective.** *J Med Chem.* (2023), 66(6), 3664-3702. doi: 10.1021/acs.jmedchem.2c01229.
2. Barbera S, Raucci L, Tassone G, Tinti L, Prischi F, Santucci A, Mongiat M, Tosi GM, Galvagni F, Dimberg A, Pozzi C, Orlandini M. **Dimerization of the C-type lectin-like receptor CD93 promotes its binding to Multimerin-2 in endothelial cells.** *Int J Biol Macromol* (2022), 224:453-464. doi: 10.1016/j.ijbiomac.2022.10.136.
3. Legru A, Verdirosa F, Vo-Hoang Y, Tassone G, Vascon F, Thomas CA, Sannio F, Corsica G, Benvenuti M, Feller G, Coulon R, Marcoccia F, Devente SR, Bouajila E, Piveteau C, Leroux F, Deprez-Poulain R, Deprez B, Licznar-Fajardo P, Crowder MW, Cendron L, Pozzi C, Mangani S, Docquier JD, Hernandez JF, Gavara L. **Optimization of 1,2,4-Triazole-3-thiones toward Broad-Spectrum Metallo- $\beta$ -lactamase Inhibitors Showing Potent Synergistic Activity on VIM- and NDM-1-Producing Clinical Isolates.** *J Med Chem.* (2022), 65(24), 16392-16419. doi: 10.1021/acs.jmedchem.2c01257.
4. Costantino L, Ferrari S, Santucci M, Salo-Ahen OMH, Carosati E, Franchini S, Lauriola A, Pozzi C, Trande M, Gozzi G, Saxena P, Cannazza G, Losi L, Cardinale D, Venturelli A, Quotadamo A, Linciano P, Tagliazucchi L, Moschella MG, Guerrini R, Pacifico S, Luciani R, Genovese F, Henrich S, Alboni S, Santarem N, da Silva Cordeiro A, Giovannetti E, Peters GJ, Pinton P, Rimessi A, Cruciani G, Stroud RM, Wade RC, Mangani S, Marverti G, D'Arca D, Ponterini G, Costi MP. **Destabilizers of the thymidylate synthase homodimer accelerate its proteasomal degradation and inhibit cancer growth.** *Elife* (2022), 11:e73862. doi: 10.7554/eLife.73862.
5. Palomba T, Tassone G, Vacca C, Bartalucci M, Valeri A, Pozzi C, Cross S, Siragusa L, Desantis J. **Exploiting ELIOT for Scaffold-Repurposing Opportunities: TRIM33 a Possible Novel E3 Ligase to Expand the Toolbox for PROTAC Design.** *Int J Mol Sci.* (2022), 23(22), 14218. doi: 10.3390/ijms232214218.
6. Tassone G, Mazzorana M, Pozzi C. **Structural Basis of Parasitic HSP90 ATPase Inhibition by Small Molecules.** *Pharmaceuticals* (2022), 15(11), 1341. doi: 10.3390/ph15111341.
7. Tassone G, Mazzorana M, Mangani S, Petricci E, Cini E, Giannini G, Pozzi C, Maramai S. **Structural Characterization of Human Heat Shock Protein 90 N-Terminal Domain and Its Variants K112R and K112A in Complex with a Potent 1,2,3-Triazole-Based Inhibitor.** *Int J Mol Sci* (2022), 23(16), 9458. doi: 10.3390/ijms23169458.
8. Pöhner I, Quotadamo A, Panecka-Hofman J, Luciani R, Santucci M, Linciano P, Landi G, Di Pisa F, Dello Iacono L, Pozzi C, Mangani S, Gul S, Witt G, Ellinger B, Kuzikov M, Santarem N, Cordeiro-da-Silva A, Costi MP, Venturelli A, Wade RC. **Multitarget, Selective Compound Design Yields Potent Inhibitors of a Kinetoplastid Pteridine Reductase 1.** *J Med Chem* (2022), ;65(13), 9011-9033. doi: 10.1021/acs.jmedchem.2c00232.
9. Verdirosa F, Gavara L, Seville L, Tassone G, Corsica G, Legru A, Feller G, Chelini G, Mercuri PS, Tanfoni S, Sannio F, Benvenuti M, Cerboni G, De Luca F, Bouajila E, Vo Hoang Y, Licznar-Fajardo P, Galleni M, Pozzi C, Mangani S, Docquier JD, Hernandez JF. **1,2,4-Triazole-3-Thione Analogues with a 2-Ethylbenzoic Acid at Position 4 as VIM-type Metallo- $\beta$ -Lactamase Inhibitors.** *ChemMedChem.* (2022), 17(7), e202100699. doi: 10.1002/cmdc.202100699.

10. Tassone G, Paolino M, Pozzi C, Reale A, Salvini L, Giorgi G, Orlandini M, Galvagni F, Mangani S, Yang X, Carlotti B, Ortica F, Latterini L, Olivucci M, Cappelli A. **Xanthopsin-Like Systems via Site-Specific Click-Functionalization of a Retinoic Acid Binding Protein.** *Chembiochem.* (2022), 23(1), e202100449. doi: 10.1002/cbic.202100449.
11. Tassone G, Kola A, Valensin D, Pozzi C. **Dynamic Interplay between Copper Toxicity and Mitochondrial Dysfunction in Alzheimer's Disease.** *Life* (2021), 11(5), 386. doi: 10.3390/life11050386.
12. Gavara L, Seville L, De Luca F, Mercuri P, Bebrone C, Feller G, Legru A, Cerboni G, Tanfoni S, Baud D, Cutolo G, Bestgen B, Chelini G, Verdirosa F, Sannio F, Pozzi C. Benvenuti M, Kwapien K, Fischer M, Becker K, Frère JM, Mangani S, Gresh N, Berthomieu D, Galleni M, Docquier JD, Hernandez JF. **4-Amino-1,2,4-triazole-3-thione-derived Schiff bases as metallo- $\beta$ -lactamase inhibitors.** *Eur J Med Chem.* (2020), 208, 112720. doi: 10.1016/j.ejmech.2020.112720.
13. Ciambellotti S, Pratesi A, Tassone G, Turano P, Mangani S, Pozzi C. **Iron Binding in the Ferroxidase Site of Human Mitochondrial Ferritin.** *Chemistry.* (2021), 27(59), 14690-14701. doi: 10.1002/chem.202102270.
14. Santucci M, Luciani R, Gianquinto E, Pozzi C. Pisa FD, Dello Iacono L, Landi G, Tagliazucchi L, Mangani S, Spyraakis F, Costi MP. **Repurposing the Trypanosomatidic GSK Kinetobox for the Inhibition of Parasitic Pteridine and Dihydrofolate Reductases.** *Pharmaceuticals* (2021), 14(12), 1246. doi: 10.3390/ph14121246.
15. Tassone G, Orlandini M, Olivucci M, Pozzi C. **Validation of Recombinant Chicken Liver Bile Acid Binding Protein as a Tool for Cholic Acid Hosting.** *Biomolecules.* (2021), 11(5), 645. doi: 10.3390/biom11050645.
16. Legru A, Verdirosa F, Hernandez JF, Tassone G, Sannio F, Benvenuti M, Conde PA, Bossis G, Thomas CA, Crowder MW, Dillenberger M, Becker K, Pozzi C. Mangani S, Docquier JD, Gavara L. **1,2,4-Triazole-3-thione compounds with a 4-ethyl alkyl/aryl sulfide substituent are broad-spectrum metallo- $\beta$ -lactamase inhibitors with re-sensitization activity.** *Eur J Med Chem.* (2021), 226, 113873. doi: 10.1016/j.ejmech.2021.113873.
17. Tassone G, Landi G, Linciano P, Francesconi V, Tonelli M, Tagliazucchi L, Costi MP, Mangani S, Pozzi C. **Evidence of Pyrimethamine and Cycloguanil Analogues as Dual Inhibitors of Trypanosoma brucei Pteridine Reductase and Dihydrofolate Reductase.** *Pharmaceuticals* (2021), 14(7), 636. doi: 10.3390/ph14070636.
18. Pozzi C. Santucci M, Marverti G, D'Arca D, Tagliazucchi L, Ferrari S, Gozzi G, Losi L, Tassone G, Mangani S, Ponterini G, Costi MP. **Structural Bases for the Synergistic Inhibition of Human Thymidylate Synthase and Ovarian Cancer Cell Growth by Drug Combinations.** *Cancers* (2021), 13(9), 2061. doi: 10.3390/cancers13092061.
19. Landi G, Linciano P, Tassone G, Costi MP, Mangani S, Pozzi C. **High-resolution crystal structure of Trypanosoma brucei pteridine reductase 1 in complex with an innovative tricyclic-based inhibitor.** *Acta Crystallogr D Biol Crystallogr.* (2020), 76, 558-564. doi: 10.1107/S2059798320004891.
20. Iralde-Lorente L, Tassone G, Clementi L, Franci L, Munier CC, Cau Y, Mori M, Chiariello M, Angelucci A, Perry MWD, Pozzi C. Mangani S, Botta M. **Identification of Phosphate-Containing Compounds as New Inhibitors of 14-3-3/c-Abl Protein-Protein Interaction.** *ACS Chem Biol.* (2020). 15(4), 1026-1035. doi: 10.1021/acscmbio.0c00039.
21. Ciambellotti S, Pozzi C. Mangani S, Turano P. **Iron biomineral growth from the initial nucleation seed in L-ferritin.** *Chemistry* (2020). 26(26), 5770-5773. doi: 10.1002/chem.202000064.

22. Davies DT, Leiris S, Sprynski N, Castandet J, Lozano C, Bousquet J, Zalacain M, Vasa S, Dasari PK, Pattipati R, Vempala N, Gujjewar S, Godi S, Jallala R, Sathyap RR, Darshanoju NA, Ravu VR, Juvenhala RR, Pottabathini N, Sharma S, Pothukanuri S, Holden K, Warn P, Marcoccia F, Benvenuti M, Pozzi C, Mangani S, Docquier JD, Lemonnier M, Everett M. **ANT2681: SAR Studies Leading to the Identification of a Metallo- $\beta$ -lactamase Inhibitor with Potential for Clinical Use in Combination with Meropenem for the Treatment of Infections Caused by NDM-Producing Enterobacteriaceae.** *ACS Infect Dis.* (2020), 6(9), 2419-2430. doi: 10.1021/acsinfecdis.0c00207.
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#### FURTHER SCHOOL AND CONGRESS

- 15-16/06/2016 **Synergy Meeting of Drug Development for Neglected Parasitic Diseases**, Modena, Italy
- 28/06-02/07/2015 **4<sup>th</sup> International Workshop on Expression, Structure and Function of Membrane Proteins**, Florence, Italy
- 13-16/09/2014 **15<sup>th</sup> International Conference on the Crystallization of Biological Macromolecules Pre-conference Workshop**, Hamburg, Germany
- 23-27/09/2012 **3<sup>rd</sup> International Workshop on Expression, Structure and Function of Membrane Proteins**, Florence, Italy
- 20-24/09/2009 **2<sup>nd</sup> International Workshop on Expression, Structure and Function of Membrane Proteins**, Florence, Italy
- 15-24/04/2009 **PHARE 2009 "A modular workshop on global PHase Retrieval"**, Martina Franca (TA), Italy
- 18-22/05/2009 **International School on Biological Crystallization**, Granada, Spain
- 29/05/2008-08/06/2008 **International school of crystallography: 40<sup>th</sup> course Erice 2008 "From molecules to medicines: integrating crystallography in drug discovery"**, Erice, Italy

#### ORGANIZING COMMITTEES AND CHAIRS OF SCHOOLS AND CONGRESSES

- Organizing committee of the 4<sup>th</sup> Italian Crystallographic Association Biological MacroMolecules (AIC-BMM) Meeting, 5-6 May 2023, Firenze, Italy.
- Organizing committee of the 3<sup>rd</sup> Italian Crystallographic Association Biological MacroMolecules (AIC-BMM) Meeting, 23-24 May 2022, Firenze, Italy.
- Chair at the 2<sup>nd</sup> Italian Crystallographic Association Biological MacroMolecules (AIC-BMM) Meeting, 7-9 June 2021, online event.
- Organizing committee of the School "From Gene to Protein Crystal Structure (GeCrySchool)" (<http://www.gecryschool-edition-1.it/>), session 1: "From crystal to structure" 22-25/09/2020, Elettra Sincrotrone Trieste, Basovizza (TS), Italy

- Organizing committee of the School “From Gene to Protein Crystal Structure (GeCrySchool)” (<http://www.gecryschoo-1.it/>), session 2: “From gene to crystal” 21-24/01/2020, Elettra Sincrotrone Trieste, Basovizza (TS), Italy
- Organizing committee of the National Congress Division of Chemistry of Biological Systems (Italian Chemical Society; *Convegno Nazionale della Divisione di Chimica dei Sistemi Biologici della Società Chimica Italiana, SCI*), 11-13/09/2019 Siena, Italy.

**STRUCTURES DEPOSITED IN THE  
PROTEIN DATA BANK (PDB)**

LIST OF PDB CODES (TOTAL 176):

2YHI, 3BNZ, 3C0A, 3C06, 3BZ0, 3BYX, 3IJZ, 3IK0, 3IK1, 3N5E, 3N5G, 3QNB, 3QNC, 3RBC, 3RE7, 3RGD, 3UWL, 4DAS, 4JEF, 4KPW, 4LEN, 4LPJ, 4LQH, 4LQJ, 4LQN, 4LQV, 4LRR, 4LYU, 4LYX, 4MJY, 4MKU, 4ML5, 4MN9, 4MY7, 4O1U, 4O1X, 4O7U, 4OYN, 4P18, 4WCD, 4WCF, 4Y08, 4YKH, 4YU9, 4YWY, 4ZJK, 5EOE, 5EOO, 5EPH, 5EUA, 5IZC, 5JDC, 5JCX, 5JDI, 5JCJ, 5J7W, 5J8S, 5J8W, 5J93, 5J9V, 5JAC, 5LG2, 5LG8, 5L4N, 5L42, 5K6A, 5NGG, 5NJW, 5MXQ, 5MXR, 6FM6, 6FM7, 6GBX, 6GP4, 6GP8, 6GPF, 6GPH, 6GPO, 6GPP, 6GPR, 6GPT, 6GPW, 6GPY, 6GQ6, 6GQR, 6GQS, 6GQU, 6GR1, 6GR3, 6GR4, 6GR5, 6HF5, 6I36, 6GEY, 6GEX, 6GDP, 6GDO, 6GD4, 6GD0, 6GCQ, 6GCP, 6GCL, 6GCK, 6R2E, 6QYA, 6QXS, 6QXH, 6QXG, 6QYQ, 6HOW, 6HNR, 6HNC, 6IAJ, 6IAF, 6I9T, 6I9P, 6RXC, 6RX0, 6RX5, 6RX6, 6SP6, 6SP7, 6TBX, 6TLF, 6TLG, 6TM7, 6TR9, 6TRZ, 6TS0, 6TS1, 6TSA, 6TSF, 6TSJ, 6TSS, 6TSX, 6YRP, 6Z2U, 6Z2Z, 6ZGM, 6ZRG, 6ZRH, 6ZRI, 6ZRJ, 6ZRP, 6ZSW, 6ZSX, 6ZW2, 6ZXI, 6ZXO, 7O0J, 7O0K, 7O63, 7O64, 7O65, 7O66, 7O67, 7O68, 7O69, 7O6A, 7O6C, 7O6D, 7OPJ, 7OVE, 7OVF, 7OVH, 7OWY, 7PP0, 8AGL, 8AGJ, 8AGI, 8A59, 8BDY, 8BD9, 8BD8, 8A4M.

In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process the personal details contained in this document.

Siena, June 6<sup>th</sup>, 2023

Signature

*Cecilia Pozzi*