

PERSONAL INFORMATION

Germano Giuliani



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Sex Male | Date of birth 02/08/1970 | Nationality Italian

| Enterprise | University | EPR |
|--|---|---|
| <input type="checkbox"/> Management Level | <input type="checkbox"/> Full professor | <input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist |
| <input type="checkbox"/> Mid-Management Level | <input type="checkbox"/> Associate Professor | <input type="checkbox"/> Level III Researcher and Technologist |
| <input type="checkbox"/> Employee / worker level | <input checked="" type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator | <input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator |

WORK EXPERIENCE

March 2008 to present

Assistant Professor

Dipartimento Biotecnologie, Chimica e Farmacia, Università di Siena

- Drug discovery, drug delivery systems, Structure-Activity Relationship (SAR), organic synthesis, heterocyclic chemistry.

January 2017 to present

Visiting researcher

Institut de Química Computacional i Catàlisis (IQCC) University of Girona (Spain)

- Theoretical modeling and simulation of excited states and non-adiabatic processes, including photochemistry in biochemistry and molecular materials.

January 2005 to 2008

Research Associate

Dipartimento Biotecnologie, Chimica e Farmacia, Università di Siena

- Supramolecular chemistry (polymers, dendrimers), structural manipulations of bioluminescent substrate (Coelenterazine)

November 2006 to July 2007

Visiting researcher

ISS (Istituto Superiore di Sanità) Rome

- Pharmacology characterization of neurokinin (NK1) derivatives, chemi-bioluminescence, and BRET applications.

EDUCATION AND TRAINING

April 2005

PhD in Medicinal Chemistry

Dipartimento Biotecnologie, Chimica e Farmacia, Università di Siena

- “Contributo allo studio del recettore NK1. Sintesi e valutazione biologica di 3-chinolincarbossiamidi e composti correlati.”

July 2000

Master Degree in Chemistry (Analytical Chemistry)

Department of Chemistry, University of Bologna

- "Metodiche voltammetriche per la simultanea determinazione di metalli inquinanti in acque superficiali."

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s) English (good level)
Spanish (good level)
French (intermediate level)

Job-related skills Good knowledge of software for computational calculations: Gromacs, Amber, Tinker, Molcas, Gaussian. Supervision and coordination of the synthetic and computational work of the group's students and PhDs.

Digital skills Excellent knowledge of MS Office, Unix.

Other skills Flexibility and problem-solving approach to teamwork.

ADDITIONAL INFORMATION

Publications

1. M Paolino, A Reale, G Magrini, V Razzano, M Saletti, G Giuliani, A Donati, F Samperi, A Scamporrino, M Canetti, M Mauro, F Villaflorita-Monteleone, E Fois, C Botta, A Cappelli, Synthesis and UV-light induced oligomerization of a benzofulvene-based neutral platinum (II) complex. *Eur. Polym. J.* **2021**, 156, 110597.
2. G Giuliani, A Merolla, M Paolino, A Reale, M Saletti, L Blancafort, A Cappelli, F Benfenati, F Cesca. Stability Studies of New Caged bis - deoxy - coelenterazine Derivatives and Their Potential Use as Cellular pH Probes. *Photochem. Photobiol.* **2021**, 97, 343-352.
3. G Giuliani, F Melaccio, S Gozem, A Cappelli, M Olivucci. QM/MM Investigation of the Spectroscopic Properties of the Fluorophore of Bacterial Luciferase. *J. Chem. Theory Comput.* **2021**, 17, 605-613.
4. A Reale, S Brogi, A Chelini, M Paolino, A Di Capua, G Giuliani, A Cappelli, G Giorgi, G Chemi, A Grillo, M Valoti, L Sautebin, A Rossi, S Pace, C La Motta, L Di Cesare Mannelli, E Lucarini, C Ghelardini, M Anzini. Synthesis, biological evaluation and molecular modeling of novel selective COX-2 inhibitors: sulfide, sulfoxide, and sulfone derivatives of 1, 5-diarylpurrol-3-substituted scaffold. *Bioorg Med Chem* **2019**, 19, 115045.
5. M Paolino, G Grisci, F Castriconi, A Reale, G Giuliani, A Donati, C Bonechi, G Giorgi, R Mendichi, D Piovani, A Caterina Boccia, M Canetti, F Samperi, S Dattilo, C Scialabba, M Licciardi, E Paccagnini, M Gentile, A Cappelli. Densely PEGylated polybenzofulvene brushes for potential applications in drug encapsulation *Pharmaceutics*, **2018**, 10, 234.
6. G Valacchi, G Grisci, C Sticozzi, Y Lim, M Paolino, G Giuliani, R Mendichi, G Belmonte, R Artusi, A Zanardi, P Garofalo, G Giorgi, A Cappelli, L Rovati. Wound healing properties of hyaluronan derivatives bearing ferulate residues. *J Mater Chem B*, **2015**, 35, 7037-7045.
7. G Giuliani, P Molinari, G Ferretti, A Cappelli, M Anzini, S Vomero, T Costa. New red-shifted coelenterazine analogues with an extended electronic conjugation. *Tetrahedron Letters*, **2012**, 53, 5114-5118.