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Lorenzo Stella

Curriculum Vitae

Address:

Dipartimento di Scienze e Tecnologie Chimiche
Università di Roma Tor Vergata
Via della Ricerca Scientifica
00133 Roma, Italy.

Tel. +39-06-7259-4463
Fax +39-06-7259-4328
E-mail stella@stc.uniroma2.it
<http://physchem.uniroma2.it/stella/>

Personal:

Born: Rome, Italy (September 24, 1968)
Citizenship: Italian
Marital status: married, four children.

Research identifiers:

Google Scholar profile: <http://scholar.google.it/citations?user=t7zSilAAAAAJ&hl=en>
ORCID ID: orcid.org/0000-0002-5489-7381
Web of Science ResearcherID: A-7996-2010
Scopus Author ID: 7101770173
Publons profile: publons.com/a/246851/

Bibliometrics (updated November 3rd, 2023)

Google Scholar: 295 articles, 7350 citations (3717 since 2017), H-index 47 (35 since 2017).
Scopus: 150 articles, 5589 citations, H-index 42.
Web of Science: 206 articles, 5414 citations, H-index 41.

Research Statement:

My research is focused on the structure, dynamics, molecular interactions and biological function of peptides and proteins, studied by a combination of spectroscopic techniques and computational methods, particularly fluorescence spectroscopy and molecular dynamics simulations. In the last years, I devoted my studies mainly to understand the mechanism of action of membrane-active peptides, as a promising class of molecules to fight drug-resistant bacteria, and to characterize the structural, dynamical and functional effects of pathogenic mutations involved in leukemia and congenital diseases. Peptide-protein complexes are involved in the molecular mechanisms of several of these disorders. I am currently working on peptide-based inhibitors of these interactions as possible drug-candidates.

Education

- 1997: PhD degree in biophysics, University of Rome "La Sapienza".
Dissertation topic: *Conformational fluctuations in proteins: a combined approach of fluorescence spectroscopy and molecular dynamics simulations.*
Advisors: Prof. A. Colosimo, Prof. N. Rosato.
- 1993: “Laurea” degree in physics, University of Rome "La Sapienza". Mark: 110/110 cum laude.
Dissertation topic: *Time resolved fluorescence spectroscopy of the superoxide dismutase protein.*
Advisors: Prof. G. Careri, Prof. E. Gratton.

Post-graduate schools:

- “1st LFD Workshop in Advanced Fluorescence Imaging and Dynamics”
Laboratory of Fluorescence Dynamics, University of California Irvine, 2006.
- “Interpretation of IR spectra”
Organized by Thermo Electron Corporation.
Italy, 2003
- “Complexity of the living”.
Organized by the Biophysics department of the University of Rome "La Sapienza" and by the Institute for Complexity Studies.
Italy; 1997.
- National school of Pure and Applied Biophysics
“Proteins”.
Organized by the Italian Pure and Applied Biophysics Society.
Italy; 1996
- Second National Course of Computational Chemistry
“Combining experimental data and molecular modelling in studies of biological macromolecules”.
Organized by the University of Siena.
Italy; 1996.

Employment

- 1/11/2023/-present: **Full professor** of Physical Chemistry, Department of Chemical Sciences and Technologies, University of Rome Tor Vergata, Italy.
- 1/11/2006-31/10/2023: **Associate professor** of Physical Chemistry, Department of Chemical Sciences and Technologies, University of Rome Tor Vergata, Italy.
(confirmed on July 1st 2010).
- 5/2/2001-31/10/2006: **Research assistant professor** (“Ricercatore”) in Physical Chemistry, Department of Chemical Sciences and Technologies, University of Rome Tor Vergata, Italy.
- 4/11/1996-4/2/2001: **Post doctoral fellow** (“Tecnico Laureato”), Department of Chemical Sciences and Technologies, University of Rome Tor Vergata, Italy.
- 9/1994-8/1997: **PhD student** in Biophysics, Department of Biochemistry, University of Rome "La Sapienza", and Department of Experimental Medicine, University of Rome Tor Vergata.
- 10/1993-8/1994: **Research associate**, Department of Biochemistry, Swiss Federal Institute of Technology, Advisor: Prof. G. Semenza.
- 8/1993-9/1993 **Visiting scientist**, Istituto di Struttura della Materia, Frascati (RM), Italy
- 11/1992-7/1993: **Visiting scientist**, Laboratory for Fluorescence Dynamics, Department of Physics, University of Illinois, Advisor: Prof. E. Gratton.

Teaching

- 2021 Scuola permanente per l'aggiornamento degli insegnanti di scienze sperimentali. L'entropia. Concetti e didattica.
- 2021: School of Physical Chemistry 2021, Supramolecular Interactions in Biological Systems 15-24 June 2021.
- 2019-present Fluorimetric Biotechnologies
(School of Biotechnologies, Undergraduate degree, University of Rome Tor Vergata)
- 2016-present: Laboratory of Physical Chemistry
(School of Chemistry, Undergraduate degree, University of Rome Tor Vergata)
- 2009-present: Molecular Spectroscopy
(School of Chemistry, University of Rome Tor Vergata)
- 2007-present: Spectroscopy of Biomolecules
(School of Biotechnologies, University of Rome Tor Vergata)
- 2015-2016: Laboratory of Physical Chemistry I
(School of Chemistry, Undergraduate degree, University of Rome Tor Vergata)
- 2015 Post-graduate National school
XIX School of Pure and Applied Biophysics
"Theoretical and Computational Approaches to Biophysics"
Italian Society of Pure and Applied Biophysics.
- 2014-2015 Microscopy
(Retraining for high school teachers, University of Rome Tor Vergata)
- 2013-2014: The scientific method
(Formative training for high school teachers, University of Rome Tor Vergata)
- 2009-2010: Advanced Spectroscopic Techniques
(PhD School of Chemistry, University of Rome Tor Vergata)
- 2009-2010: Fluorescence spectroscopy and microscopy in protein and peptide science
(BIOS PhD School, University of Pisa).
- 2008-2010: Physical Chemistry
(School of Biology, University of Rome Tor vergata)
- 2002-2010: Spectroscopy Laboratory
(School of Chemistry, University of Rome Tor Vergata)
- 2000-2010: Biophysical Chemistry Laboratory
(School of Chemistry, University of Rome Tor Vergata)
- 2000-2007 Physical Chemistry
(School of Biotechnologies, University of Rome Tor Vergata)
- 2000: Post-graduate National school
"Dynamic Spectroscopy and Imaging of Biomolecules"
National Institute for the Physics of Matter.
- 1999: Post-graduate National school
"Spectroscopic Methods in Biophysics"
Italian Society of Pure and Applied Biophysics.
- 1997-1998: Biophysical Chemistry Laboratory
(School of Chemistry, University of Rome Tor Vergata)
- 1996-2000: Teaching assistant for the Physical Chemistry Laboratory
(School of Chemistry, University of Rome Tor Vergata)

Mentoring

Undergraduates

- 2022 Giuseppe Giacquinto, Grazia Ferrara, Gianluca Faiola
- 2020 Emiliano Franci, Federico Carneri

2019	Giulia Perilli, Marco Conte, Filippo Ruggiero
2018	Cristiano Di Stefano
2017	Luisa Caprio
2012	Simone Aureli (currently Postdoctoral fellow, University of Geneva, Switzerland) https://ispso.unige.ch/biomolecular-pharmaceutical-modelling/index.php
2010	Sara Del Galdo (now Research assistant professor at Roma 3 University) https://www.sns.it/sites/default/files/delgaldosaracv2017.pdf
2009	Annalisa Bortolotti
2009	Lorenzo Giordano
2007	Alessandro Piazzon (now high school teacher) https://www.linkedin.com/in/alessandro-piazzon-a785aa79/
2006	Barbara Middei

Master's degree

2022	Emiliano Franci, Alessia Damiani, Federico Carneri, Chiara Innamorati, Antonio Leoci (Chemistry)
2022	Emanuela De Carlo, Filippo Ruggiero (Chemistry, internal supervisor)
2020-2021	Francesco Riccitelli, Cristiano Di Stefano (Chemistry)
2019-2020	Francesca Mazzotta (Chemistry, internal supervisor)
2018-2019	Cassandra Troiano (Chemistry)
2018-2019	Simone Bonacorsi (Chemistry)
2018-2019	Giuseppe Torini (Chemistry)
2017-2018	Elisa Grelloni (Chemistry)
2017-2018	Andrea Quercioli (Chemistry)
2016-2017	Valerio Santucci (Chemistry)
2015-2016	Arianna Porreca (Medical Engineering, co-supervised with Dr. M. Bottini and Prof. N. Rosato)
2015	Simone Aureli (Chemistry, Internal referee; Supervisors Prof. S. Morante, G.C. Rossi, V. Minicozzi) (currently PhD student at the Institute of Computational Science, Lugano, Switzerland) https://www.ics.usi.ch/index.php/people-detail-page/242-simone-aureli
2012-2013	Annalisa Bortolotti (Chemistry)
2010-2011	Lorenzo Giordano (Chemistry), currently Scientist at Sealed Air Corporation (Milan)
2009-2010	Ermanno Miele (Medical Engineering) (currently Research Associate at the University of Cambridge)
2003-2004	Marcello Burattini (Chemistry)
1999-2000	Mariaelena Straccamore (Biology, co-supervised with Prof. B. Pispisa)

Ph.D. students:

2020-present	Cassandra Troiano
2015-2019	Annalisa Bortolotti
2014-2018	Filippo Savini (currently Postdoctoral Researcher @ Institute of Biological Chemistry - Univ. of Vienna, Austria)
2012-2016	Zahra Vaezy (now PostDoc at Tarbiat Modares University, Tehran, Iran)
2011-2015	Daniela Roversi (currently junior peptide chemist at IRBM Science Park, Pomezia (LT), Italy) Received the Murray Goodman young investigator award at the 13 th Naples workshop on Bioactive Peptides. Graduated <i>cum laude</i> .
2011-2015	Andrea Farrotti (now quality control analyst at Isagro S.p.A, Aprilia (LT), Italy).

- 2008-2012 Sara Bobone (currently assistant professor at the University of Rome Tor Vergata)
Thesis awarded the Semerano prize by the Società Chimica Italiana, as the best Physical Chemistry thesis. Selected by Springer for publication in the series “Springer Theses”.
- 2007-2011 Barbara Orioni (currently PostDoc at the University of Rome III)
- 2001-2005 Claudia Mazzuca (currently assistant professor at the University of Rome Tor Vergata)
<http://www.stc.uniroma2.it/physchem/mazzuca.html>

Post doctoral fellows:

- 2023-present Dr. Mattia Carvetta
- 2022-present Dr. Claudia Storti
- 2021-present Dr. Chiara Fulci
- 2018-2020 Dr. Viviana Canale
- 2017-2020 Dr. Paolo Calligari
- 2018 Dr. Filippo Savini
- 2015 Dr. Daniela Roversi (currently junior peptide chemist at IRBM Science Park, Pomezia (LT), Italy)
- 2015 Dr. Andrea Farrotti (now quality control analyst at Isagro S.p.A, Aprilia (LT), Italy)
- 2013-2017 Dr. Massimiliano Anselmi (currently Marie Skłodowska Curie postdoctoral fellow at the University of Goettingen, Germany)
<http://cmb.bio.uni-goettingen.de/team.html>
- 2012-2014 Dr. Sara Bobone (currently assistant professor at the University of Rome Tor Vergata)
<http://stc.uniroma2.it/ricercatori/name/sara-bobone/>
- 2010-2011 Dr. Gilda Sabetta (currently CMP Process Engineer at Micron Technology, Geneva, Switzerland)
- 2006-2007 Dr. Alessandro Grottesi (now at CINECA SCAI)
<http://www.hpc.cineca.it/staff/grottesi-alessandro>

Ph.D. Thesis Examination

- 2012-present: Member of the Scientific Board of the PhD school in Chemistry, University of Rome Tor Vergata.
- 2023 Member of the evaluation committee for a PhD thesis in Medical Biochemistry, University of Lisbon, Faculty of Medicine, Portugal.
- 2023 Member of the mid-thesis committee for the Institute of Chemistry, Strasbourg University
- 2021 Member of the evaluation committee for a PhD thesis, Masaryk University, National Centre for Biomolecular Research, Brno, Czech Republic.
- 2021 Member of the evaluation committee for the doctoral school in Industrial Chemistry, University of Milan, Italy
- 2019 Member of the evaluation committee for the doctoral school in Chemical Science, University of Naples “Federico II”, Italy
- 2017 Member of the evaluation committee for the doctoral school in Biomedical Sciences and Technologies, Università di Roma Tre, Italy.
- 2015 Member of the evaluation committee for the doctoral school in Biophysics, Sapienza Università di Roma, Italy.
- 2015 Member of the evaluation committee for the doctoral school in Chemistry, University of Ferrara, Italy.
- 2014 Foreign expert in the evaluation committee for the doctoral school of the University of Dublin, Ireland.

2012: Referee for a PhD thesis in physics, University of Messina, Italy.
 2011: Foreign expert in the evaluation committee for the doctoral school of Chemistry, University of Girona, Spain.

Academic committee appointments

2021 President of the selection committee for a Post doctoral position, University of Rome Tor Vergata.
 2019 Member of the search committee for a research assistant position, University of Naples
 2016-2022 Member of the scientific council of the Italian Peptide Society.
 2018-2021 Member of the steering committee of the Italian Society for Pure and Applied Biophysics (SIBPA)
 2017 President of the selection committee for a Post doctoral position, University of Rome Tor Vergata.
 2012-2020 Member of the steering committee of the Department of Chemical Sciences and Technologies, University of Rome Tor Vergata.
 2011-present Member of several search committees for post-doc positions, University of Rome Tor Vergata.
 2015-2016 Secretary of the Italian Peptide Society.
 2014-2016 Member of the National Committee for the Tenure (“conferma in ruolo”) of Assistant Professors (“ricercatori”) in Physical Chemistry.
 2011 Referee for the selection committee for Post-doctoral positions, University of Padua.
 2006-2009 Member of the scientific committee of the Center for Nanosciences, Nanotechnologies and Advanced Instrumentation (NaST), Università di Roma Tor Vergata.
 2006 Member of the search committee for two research assistant professor positions, Department of Chemistry, University of Naples Federico II.

Memberships in Professional Societies

- Società Italiana Peptidi (current. Founding member and Secretary 2015-2016, member of the Scientific Committee 2016-2022).
- Italian Society of Pure and Applied Biophysics (SIBPA) (current, member of the steering committee 2018-2021)
- Italian Chemical Society (current)
- European Peptide Society (current)
- National Interuniversity Consortium for Materials Science and Technology (current)
- Center for Colloid and Surface Science (current)
- American Chemical Society (until 2018)
- Biophysical Society (until 2016)

Meeting organization

2023-2025 Member of the organizing committee of the EBSA 2025 meeting.
 2023 Member of the scientific and organizing committee of the meeting Biophysics@Rome 2023, April 19-20, Rome, Italy.
 2022 Member of the scientific committee of the 17th Naples Workshop on Bioactive Peptides, June 16-18, 2022 Naples, Italy.
 2021 Member of the scientific committee of the meeting of the Società Italiana di Biofisica Pura e Applicata - XXV Congresso Nazionale – SIBPA, 28/6-1/7 2021 (virtual meeting).
 2020 Chairman of the organizing and scientific committee of the meeting of the Italian Peptide Society, December 2020 (virtual meeting).

- 2019 Member of the organizing committee of the XLVII Meeting of the Physical Chemistry division of the Italian Chemical Society, July 1-4, 2019 Rome, Italy.
- 2019 Member of the scientific and organizing committee of the meeting Biophysics@Rome 2019, May 15-16, Rome, Italy.
- 2018 Member of the scientific and organizing committee of the meeting "Membrane Biophysics of Exo-Endocytosis: From Model Systems to Cells", April 3-6, 2019, Mandelieu la Napoule, France.
- 2018 Member of the scientific committee of the 16th Naples Workshop on Bioactive Peptides, June 7-9 2018, Naples, Italy.
- 2017 Member of the scientific and organizing committee of the meeting Biophysics@Rome 2017, May 18-19, Rome, Italy.
- 2016: Member of the scientific committee of the meeting "Synthesis and biomedical applications of tumor-targeting peptidomimetics", Bologna, Italy
- 2016: Member of the scientific committee of the 15th Naples Workshop on Bioactive Peptides, June 23-25 2106, Naples, Italy.
- 2014: Member of the scientific committee of the 14th Naples Workshop on Bioactive Peptides, June 12-14 2014, Naples, Italy.
- 2010: Co-chairman of the 12th Naples Workshop on Bioactive Peptides and 2nd Italy-Korea Symposium on Antimicrobial Peptides, June 4-7, Naples, Italy.
- 2010: Member of the organizing committee and Chairman of the "Peptide and Protein Science" session of the IV Korea Italy Science and Technology Forum, June 2-4, Naples, Italy.
- 2008: Co-chairman of the organizing and scientific committee of the "1st Italy-Korea Symposium on Antimicrobial Peptides", July 24-25, Gwangju, South Korea.
- 2008: Member of the organizing committee of the meeting "*Struttura, funzione, modelli: approcci chimico-fisici a problemi di interesse biologico*", December 19, 2008, Università di Roma Tor Vergata, Italy.

Professional honors, awards and fellowships

- 2022 Visiting professor at the University of Strasbourg
- 2020 Ranked among the top 1.8% of most cited authors in Biophysics according to a science-wide author database of standardized citation indicators (*PLoS Biol* 18: e3000918; 2020. doi.org/10.1371/journal.pbio.3000918).
- 2017 National qualification ("*abilitazione*") to full professor in Applied Physics.
- 2017 Inserted in the list of Top Italian Scientists (http://www.topitalianscientists.org/top_italian_scientists.aspx)
- 2017 Selected in the shortlist of three candidates ("*idonei*") for a position of full professor in Physical Chemistry, University of Rome Tor Vergata.
- 2016 "Sentinels of Science" Award in the field of Chemistry, awarded by Publons to researchers who have demonstrated an outstanding expert commitment to protecting the integrity of published research.
- 2016 finalist for the Zervas Award of the European Peptide Society.
- 2016 co-authored publication awarded the Frank-Majewski award 2016 of the Deutsche Gesellschaft für Humangenetik (Nat. Genet., 2015, 47: 661–667)
- 2015 Recipient of incentives from the University of Rome Tor Vergata, based on the evaluation of the academic and research record.
- 2015 "Outstanding reviewer" for the European Journal of Medicinal Chemistry.
- 2015 National qualification ("*abilitazione*") to full professor in Biochemistry
- 2014 National qualification ("*abilitazione*") to full professor in Physical Chemistry
- 2013 Thesis of a supervised PhD student (Dr. Sara Bobone) awarded the Semerano prize by the Società Chimica Italiana, as the best Physical Chemistry thesis. Selected by

	Springer for publication in the series “Springer Theses” and for the “Springer Theses Prize”.
2012	Paper selected as “paper of the week” by J. Biol. Chem. (J. Biol. Chem., 2012, 287, 27066-27077).
2011	Best Paper Award 2011 of the Journal of Peptide Science (J. Pept. Sci. 2009, 15: 550-558).
2010	Honorable mention for the Schram Award of the European Peptide Society.
2010	Nominated “Top reviewer” by Biochim. Biophys. Acta and Journal of Peptide Science.
2008-2009	Biography listed in Who’s Who in Fluorescence (edited by Springer).
2001	“Lucio Senatore” award of the Physical Chemistry division of the Italian Society of Chemistry.
1990	Scholarship of the government of Malta and of the Italian Foreign Affairs Ministry.

Editorial and refereeing activity

Editorial board memberships

- Since 2022: Associate Editor for Frontiers in Medical Technology (Pharmaceutical Innovation section).
- Since 2021: review editor for Frontiers in Molecular Biosciences and Frontiers in Applied Mathematics and Statistics for the Biological Modeling and Simulation topics.
- Since 2021: member of the editorial board for Antibiotics.
- Since 2015: review editor for Frontiers in Chemistry and Frontiers in Molecular Biosciences for the Chemical Biology topics.
- Since 2012: member of the editorial board of Journal of Molecular Structure
- Since 2010: member of the advisory editorial board of Journal of Peptide Science
- Since 2008: member of the editorial board of the Medical Journal of Chosun University
- Since 2014: review editor for Frontiers in Molecular Biosciences and Frontiers in Cell and Developmental Biology for the Structural Biology topics.
- 2020: guest editor for a Frontiers in Medical Technology research topic titled “Bridging Membrane Biophysics to Microbiology: Innovating Towards New Peptide and Peptide-based Antimicrobials”.
- 2013: guest editor for a special issue of the Journal of Molecular Structure dedicated to fluorescence studies of biomolecular association processes.
- 2009 and 2011: guest editor for two special issues of the Journal of Peptide Science dedicated to antimicrobial peptides.

Grant refereeing for international institutions

- 2023: National Research, Development and Innovation Office, Hungary
- 2022: advisor for the Direction of Instituto de Medicina Molecular João Lobo Antunes (iMM), Portugal.
- Since 2021: member of the MOlecular-Scale Biophysics Research Infrastructure (MOSBRI) external reviewer panel.
- 2020: Reviewer of grant proposals for the National Science Centre, Poland.
- 2018: Reviewer of grant proposals for the British Society for Antimicrobial Therapy.
- 2017: Reviewer of grant proposals for the National Center of Science and Technology Evaluation. Ministry of Education and Science, Republic of Kazakhstan
- 2017: Reviewer of grant proposals for the FWF Austrian Science Fund.
- 2011: Reviewer of grant proposals for the National Science Foundation, US.
- 2011. Reviewer of grant proposals for the Government of the Russian Federation.

Grant refereeing for national institutions

- 2023: reviewer for the Italian Ministry of University and Research, Projects of Relevant National Interest (PRIN)
- 2022: reviewer of grant proposals for the University of Naples “Federico II”.
- 2017: reviewer for the National evaluation “FARE Ricerca in Italia”.
- Since 2015: member of REPRISE: Register of Expert Peer Reviewers for Italian Scientific Evaluation
- 2013: Reviewer for the National evaluation of “Futuro in Ricerca” and PRIN projects.
- 2012: Reviewer for the National evaluation of the quality of research (VQR), areas 02 (Physics) and 03 (Chemistry).
- 2012: Reviewer of grant proposals for the University of Trieste.
- 2011, 2013: Reviewer of “Progetto Giovani” grant proposals for the University of Padova.

Peer review for international journals

- 2015: outstanding reviewer for the European Journal of Medicinal Chemistry
- 2010: top reviewer for Biochim. Biophys. Acta and Journal of Peptide Science.
- Reviewer for
 - Acta Biomaterialia
 - ACS Chemical Biology
 - ACS Omega
 - Biochemistry and Biophysics Reports
 - Biochimica Biophysica Acta
 - Biomacromolecules
 - Biophysical Journal
 - Biopolymers (Peptide Science)
 - Cellular and Molecular Life Sciences
 - Chemical Biology and Drug Design
 - Chemical Communications
 - Chemical Society Reviews
 - Chemistry a European Journal
 - Chemistry Today
 - Computational and Structural Biotechnology Journal
 - Current Topics in Medicinal Chemistry
 - ELife
 - European Journal of Medicinal Chemistry
 - FEBS Letters
 - FEBS Open Bio
 - FEMS Microbiology Letters
 - Frontiers in Chemical Biology
 - Frontiers in Chemistry
 - Future Medicinal Chemistry
 - International Journal of Molecular Sciences
 - Journal of Agricultural and Food Chemistry
 - Journal of Chemical Education
 - Journal of Chemical Information and Modeling
 - Journal of Colloid and Interface Science
 - Journal of Medicinal Chemistry
 - Journal of Molecular Structure
 - Journal of Nanoparticle Research
 - Journal of Peptide Science
 - Journal of Pharmaceutical and Biomedical Analysis

- o Journal of Physical Chemistry A and B
- o Journal of the American Chemical Society
- o Macromolecules
- o Materials Sciences and Engineering C
- o Metallomics
- o Molecular Biosystems
- o Molecules
- o Nature Communications
- o New Journal of Chemistry
- o Organic & Biomolecular Chemistry
- o Physical Chemistry Chemical Physics
- o PLoS ONE
- o PLoS Pathogens
- o Scientific Reports
- o Small
- o Soft Matter
- o Spectrochimica Acta Part A
- o Spectroscopy Letters
- o Springer Science books
- o Structure

Grants

- 2022-2025 National Center for High Performance Computing. Participant.
- 2022-2025 Extended Partnership for Precision Medicine. Participant.
- 2021-2024 **Research Unit Coordinator** for the Research Project of National Interest (PRIN 2020833Y75) “*Synthesis and biomedical applications of tumor targeting peptidomimetics and conjugates*”, Italian Ministry of Education, University and Research. 109700 € (Total project 570.000 €). National coordinator, Prof. F. Formaggio.
- 2021-2023 **Principal investigator** of the regional grant from the administrative region Lazio, call “Gruppi di ricerca”. Total grant 145 000 €.
- 2021-2025 **Principal investigator** in the AIRC investigator grant 2020 Id. 24940 “Inhibitors of SHP2 protein-protein interactions: a new strategy for a crucial oncogenic target” (523 000 €)
- 2019 Partnership for Advanced Computing in Europe (PRACE) project “*SHP2-ReM-MD - The regulatory mechanism of the SHP-2 protein: a Molecular Dynamics investigation.*” proposal number 2019204928 (continuation), 30 million core hours on Marconi-KNL. Coordinator: Prof. G. Bocchinfuso.
- 2019: Italian SuperComputing Resource Allocation (ISCRA) Award (Class B, 10 million CPU hours) code: HP10BL5G4C, CINECA consortium. Project *SHPMetRE: Activation Mechanism of Phosphatase SHP2 Investigated through REMD and Metadynamics Simulations*. Coordinator Prof. G. Bocchinfuso.
- 2018: Partnership for Advanced Computing in Europe (PRACE) project “*SHP2-ReM-MD - The regulatory mechanism of the SHP-2 protein: a Molecular Dynamics investigation.*” proposal number 2017174118, 15 million core hours on Marconi-Broadwell. Coordinator: Prof. G. Bocchinfuso.
- 2018 Italian SuperComputing Resource Allocation (ISCRA) Award (Class C, 25.000 h/cpu), code: HP10CNPWLS, CINECA consortium. Project *RESHP-CG: Conformational changes in SHP2 studied by replica-exchange simulations with coarse-grained force field*. Coordinator Dr. P. Calligari.

- 2017-2019 **Principal investigator** in the AIRC investigator grant 2016 Id.19171 "Allosteric modulation of protein tyrosine phosphatase SHP2 as a novel strategy against hematologic malignancies" (273 000 €)
- 2017-2019 **Research Unit Coordinator** for the Research Project of National Interest (PRIN 20157WW5EH) "*Tumor-targeting peptidomimetics: synthesis and bio-medical applications*", Italian Ministry of Education, University and Research. 28.000 € (Total project 647.000 €). National coordinator, Prof. C. Gennari.
- 2017 Italian SuperComputing Resource Allocation (ISCRA) Award (Class C, 25000 h/cpu), code: HP10CZGMR8, CINECA consortium. Project "Host defense peptides, Beyond their Anti-Bacterial Activity: a computational approach for a new anti-HIV strategy". Coordinator, Prof. G. Bocchini.
- 2016-2018 Consolidate the foundations, Self-assembly of antimicrobial peptides in 2D and 3D: effects of supramolecular structures on peptide selectivity and on the properties of antibacterial surfaces. University of Rome Tor Vergata. Coordinator, Prof. A. Palleschi
- 2016 Diamond beamtime SM13463-1, 4 days on the B23 circular dichroism beamline. Title: "*SRCD and fluorescence conformational study of antimicrobial lipopeptaibol analogues under cryogenic conditions that have been shown to correlate with the active conformation in vivo*". Coordinator Dr. M. De Zotti.
- 2015 Umberto Veronesi foundation grant fellowship for the project "*De novo design of inhibitors targeting the protein-protein interaction of SHP2 with its signaling partners: a novel strategy against hematologic malignancies*", as the supervisor of Dr. Massimiliano Anselmi.
- 2015 Diamond beamtime SM14298-1. 2 days on the B23 circular dichroism beamline. Title: "*SRCD and fluorescence conformational study of lipopeptaibols*". Coordinator Dr. M. De Zotti.
- 2012-2016 Futuro in ricerca 2012 "*Lipid-based sensors for the detection of tumor biomarkers*". Ministry of Education, University and Research. 157.608 € (Total project 957.078 €). Member of the research team. Local coordinator Dr. E. Gatto.
- 2012-2015 **Research Unit Coordinator** for the Research Project of National Interest (PRIN2011 2010NRREPL_008) "*Synthesis and biomedical applications of tumor-targeting peptidomimetics*", Italian Ministry of Education, University and Research. 80.000 € (Total project 1.144.800 €). National coordinator, Prof. C. Gennari.
- 2012-2016 **Coordinator** (together with Dr J. K. Ghosh) of the joint Italian-Indian project "*Engineering cell selectivity in antimicrobial peptides for the development of novel antibiotic drugs*".
- 2014: **Coordinator** of the Italian SuperComputing Resource Allocation (ISCRA) Award (Class C, 50000 h/cpu), code: HP10C828OO, CINECA consortium. Project *Mechanism of inhibition of protein-protein interactions of glutathione S-transferase by the anticancer drug NBDHEX*.
- 2013 Italian SuperComputing Resource Allocation (ISCRA) Award (Class C, 50000 h/cpu), code: HP10CDZNA9, CINECA consortium. Project *Molecular Dynamics techniques applied to the interaction of Antimicrobial Peptides and Lipopolysaccharides*. Coordinator Prof. A. Palleschi.
- 2013: **Coordinator** (together with Dr. Marco Tartaglia) for a scientific agreement between the University of Rome Tor Vergata and the Istituto Superiore di Sanità, in the framework of the AIRC project "Integrative genomics strategies to ascertain novel molecular mechanisms promoting oncogenic ras signaling". 23000 €.
- 2012: Italian SuperComputing Resource Allocation (ISCRA) Award (Class C, 50000 h/cpu), CINECA consortium. Project *Peptide-membrane interactions investigated by means of Molecular Dynamics simulations*. Coordinator Dr. G. Bocchini.

- 2012: Standard HPC Grant (100000 h/cpu), CASPUR consortium. Project *Enhanced Sampling in Molecular Dynamics Simulations of biological systems*. Coordinator Dr. G. Bocchinfuso.
- 2011: **Coordinator** (together with Dr. Marco Tartaglia) for a scientific agreement between the University of Rome Tor Vergata and the Istituto Superiore di Sanità, in the framework of the AIRC project “Clinical Relevance and biological significance of JAK1 function dysregulation in acute lymphoblastic leukemia”. 11000 €.
- 2011: Standard HPC Grant (80000 h/cpu), CASPUR consortium. Project *Ottenimento in-silico di parametri termodinamici in sistemi complessi di interesse biologico*. Coordinator Dr. G. Bocchinfuso.
- 2010-2012 **Research Unit Coordinator** for the Research Project of National Interest (PRIN2008 20083YM37E_003) “*Charge transport in membrane systems controlled by polypeptide molecules and applications thereof*”, Italian Ministry of Education, University and Research. 37.000 € (Total project 206.000 €). National coordinator, Prof. C. Toniolo.
- 2010: Standard HPC Grant (80000 h/cpu), CASPUR consortium. Project *Coarse-grained and metadynamics simulations to study biological molecules*. Coordinator Dr. G. Bocchinfuso.
- 2010 ILL Beamtime Application 43709. 3 days on the D17 neutron reflectivity beamline. Title *Mechanism of action of antimicrobial peptides: structural studies in supported lipid bilayers*. Principal investigator.
- 2009 International Cooperation Award, University of Rome Tor Vergata. “*Action mechanism of antimicrobial peptides*”. Principal investigator.
- 2009 Standard HPC Grant, CASPUR consortium. Project *Molecules in Action: Simulations of the lipid bilayer permeabilization by antimicrobial peptide aggregates*. Coordinator Dr. G. Bocchinfuso.
- 2008 ISIS Beamtime Application - RB810053. 2 days on the SURF neutron reflectivity beamline. Title: *Mechanism of action of antimicrobial peptides: a neutron reflectivity study on supported lipid bilayers*.
- 2008 Bando Tipo “B-207”, CASPUR consortium Project *Study of the interaction between the antimicrobial peptide PMAP23 and membrane model using molecular dynamics simulations*. Coordinator Dr. G. Bocchinfuso.
- 2006-2009 **Scientific Coordinator** (together with Prof. K.S. Hahm) of the joint Italian-Korean project “*Natural peptides and synthetic analogs as novel antibiotic drugs*”, selected by the governments of the two Countries as significant bilateral project, and included in the executive program of scientific and technological collaboration.
- 2007-2008 Research Projects of National Interest (PRIN2006), “*Trasferimento di Carica in Sistemi Membrano-Mimetici Controllato da Composti di Natura Peptidica*”, Italian Ministry of Education, University and Research. 47.400 € (Total project 240.000 €). Coordinator, Prof. C. Toniolo, local coordinator Prof. M. Venanzi.
- 2006-2007 International Cooperation Award, University of Rome Tor Vergata. “*Action mechanism of antimicrobial peptides*”. Principal investigator.
- 2003-2005 Research Projects of National Interest (PRIN2003), “*Trasferimento di Carica in Sistemi Biomimetici Controllato da Peptidi*”, Italian Ministry of Education, University and Research. 65.700 € (Total project 370.000 €). Coordinator Prof. C. Toniolo, local coordinator Prof. B. Pispisa.
- 2001-2003 Special Research Fund (FISR), “*Tecnologie su silicio per microsistemi bioelettrici*” Italian Ministry of Education, University and Research. Coordinator Prof. G. Marletta, local coordinator Prof. B. Pispisa.

- 2002-2003 Research Projects of National Interest (PRIN2002), “*Riconoscimento molecolare e formazione di addotti supramolecolari contenenti ioni metallici per applicazioni innovative in diagnostica e terapia.*”, Italian Ministry of Education, University and Research. 72.100 € (Total project 500.000 €). Coordinator Prof. C. Toniolo, local coordinator Prof. B. Pispisa.
- 1999 Young Researchers Award, University of Rome Tor Vergata
“*Conformational fluctuations in proteins and peptides: a combined approach of time-resolved fluorescence spectroscopy and molecular dynamics simulations*”.
Principal investigator.

Patents

Italian patent n. 102020000004849,

Peptides and uses thereof.

Inventors: L. Stella, B. Biondi, G. Bocchinfuso, S. Martinelli, M. Tartaglia.

filed by Università degli Studi di Roma "Tor Vergata" (81%) and Ospedale Pediatrico Bambino Gesù (19%) on March 6th 2020. Granted on March, 29th 2022.

International patent application PCT n. PCT/EP2021/055624, filed on March 5th 2021

Extension of Italian patent n. 102020000004849.

Peptides targeting SHP2 and uses thereof.

Entered in the regional/national phase for the European union and the USA.

Published on January 1st, 2023, on the European Patent Bulletin, Publication number 4114849.

Selected by NetVal (network for the valorization of academic research) for presentation at the Biovaria 2022 technology transfer event.

Media coverage of research activity

April 20th, 2021: interview by the National television (Rai 3), regarding our research on peptide-based inhibitors of protein-protein interactions of the SHP2 phosphatase.

<https://www.rai.it/dl/RaiTV/programmi/media/ContentItem-0e00b318-c62a-46a9-b48d-7f62e7ea382a.html#p=0>

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Rapid assessment of susceptibility of bacteria and erythrocytes to antimicrobial peptides by single-cell impedance cytometry.
ACS sensors, <https://doi.org/10.1021/acssensors.3c00256>.
- 2) D. Roversi, C. Troiano, E. Salnikov, L. Giordano, F. Riccitelli, M. De Zotti, B. Casciaro, M. R. Loffredo, Y. Park, F. Formaggio, M. L. Mangoni, B. Bechinger, **L. Stella***.
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Structural studies of glycopeptide-membrane association.
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Mechanism of membrane permeabilization by the lipopeptaibol trichogin GAIV and its fluorescent analogues.
in "Peptides 2002", E. Benedetti e C. Pedone (Eds.) Edizioni Ziino (IT), 2003, pp. 894-895
Abstract also in J. Pept. Sci. 2002, 8: S76.
- 39) M. Venanzi, A. Palleschi, **L. Stella**, A. Valeri, F. Formaggio, C. Toniolo, L. Moroder, B. Pispisa.
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in "Peptides 2002", E. Benedetti e C. Pedone (Eds.) Edizioni Ziino (IT), 2003, pp. 912-913
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- 40) B. Pispisa, C. Mazzuca, **L. Stella**, M. Venanzi, A. Palleschi, F. Formaggio, C. Toniolo and Q. B. Broxterman.
Structural features of short, linear peptides in solution by fluorescence and molecular mechanics studies.
in "Peptides: The Wave of the Future", M. Lebl e R. A. Houghten (Editors), American Peptide Society, San Diego (U.S.A.), 2001, pp 328-329.

Seminars, Talks and Posters (including those as a coauthor) Presented at Scientific Meetings:

- 1) Bologna peptide workshop 2023, September 18, 2023, Bologna, Italy (**oral presentation**)
- 2) 10th International Meeting on Antimicrobial Peptides (IMAP 2023), September 6 - 8, 2023, Trieste, Italy (**invited lecture**)
- 3) 2023 congress of the European Biophysical Societies' Association (EBSA), July 31-August 4, 2023. Stockholm, Sweden (**invited lecture**)
- 4) Lisbon University, Faculty of Medicine, Santos and Castanho groups, June 29, 2023 (**invited seminar**)
- 5) Strasbourg University, Institute of Chemistry, NMR group, June 27, 2023 (**invited seminar**)
- 6) Biophysics at Rome 2023, April 19-20, 2023, Rome, Italy
- 7) Cancer World Congress 2023, May 29-31, 2023, Palermo, Italy
- 8) 8th International Meeting on Rare Disorders of the RAS-MAPK Pathway, November 10-12, 2022, virtual meeting (**oral presentation**).
- 9) XXVI Congresso Nazionale SIBPA 2022. September 11-14, 2022 San Miniato, Italy (**oral presentation**).
- 10) Regional Biophysics Congress 2022, August 22-26, 2022, Pécs, Hungary (**invited plenary lecture**).
- 11) Pre-clinical development of antimicrobial peptides. International Workshop and Symposium, May 13, 2022, Strasbourg (**invited lecture**).
- 12) Biovaria 2022, May 11-12, Munich (**oral presentation**).
- 13) XXVII Congresso Nazionale della Società Chimica Italiana, September 14-23, 2021 (virtual meeting).
- 14) 13th EBSA Congress, Vienna, Austria, July 24-28, 2021.
- 15) XXV Congresso Nazionale – SIBPA, Società Italiana di Biofisica Pura e Applicata - 28/6-1/7 2021 (virtual meeting).
- 16) 7th European Joint Theoretical/Experimental Meeting on Membranes (EJTEMM 2020), April 7-9 2021, Graz, Austria (**invited lecture**) (virtual meeting)
- 17) 3rd Meeting of the Italian Peptide Society, December 12, 2020.
- 18) Biochemisches Kolloquium, Institut für Biochemie, University of Leipzig, Germany 12/11/2019 (**invited lecture**)
- 19) XLVII National meeting of the Physical Chemistry Division of the Italian Chemistry Society, Rome, Italy, July 1-4 2019
- 20) Biophysics@Rome, Rome, Italy, May 15-16 2019.
- 21) PRACEdays19, Poznań, Poland, 13-17 May 2019.
- 22) CECAM workshop on “Protein-peptide interactions: peptide identification, binding prediction and design”, Paris, France 16-19/10/2018.
- 23) International Colloquium on Protein and Biointerface Engineering, Catania, Italy, 17-18/9/2018 (**invited keynote lecture**)
- 24) XXIV Congresso Nazionale SIBPA, 1 Ancona, Italy 10–13/9/2018, (poster).
- 25) Peptides and conjugates for tumor targeting, therapy and diagnosis - RiminiPeptides2018, Rimini, Italy, 16-18, 6/2018.
- 26) 16th Naples Workshop on Bioactive Peptides, Naples, Italia, 7-9 6/2018.
- 27) II Convegno Nazionale di ItPS, Naples, Italia, 5-6 6/2018.
- 28) 39th PAMM-EORTEC winter meeting, Roma, Italia, 7-10 2/2018 (**invited lecture**).
- 29) XXVI congresso nazionale della società chimica italiana, Paestum, Italy, 10-14, 9/2017 (poster).
- 30) Department of Pharmacy, University of Copenhagen, Copenhagen (DK), 9/10/2017 (**invited lecture**)
- 31) 19th IUPAB and 11th EBSA Congress, 16-20/7/2017 Edinburgh, Scotland (poster)
- 32) Biophysics@Rome 2017, CNR, Roma, 18-19/5/2017 (poster)
- 33) Uniti per le RASopatie, Policlinico A. Gemelli, Roma, 10/5/2017 (**invited lecture**)

- 34) Department of Biochemistry and Molecular Biology, Tulane University, New Orleans (LA) USA, 6/3/2017 (**invited lecture**).
- 35) Gordon Research Conference on Antimicrobial Peptides, 26/2-3/3 2017 Ventura (CA), USA (**invited lecture**)
- 36) XXIII Congresso Nazionale SIBPA, 18–21/9/2016, Cortona (AR), Italy (**oral presentation**).
- 37) 34th European Peptide Symposium (34th EPS)/8th International Peptide Symposium, Leipzig, Germany, 4-9/9/2016 (**oral presentation**)
- 38) 15th Naples workshop on bioactive peptides, Naples 23-25/6/2016.
- 39) 1st Meeting of the Italian Peptide Society, Naples 22/6/2016.
- 40) "Biophysics of Protein–Membrane Interactions: From Model Systems to Cells". Joint Meeting of the Membrane Sections of the French and German Biophysical Societies. Bad Herrenalb, Germany 11-14/4/2016 (**invited keynote lecture**).
- 41) 60th annual meeting of the Biophysical Society, Los Angeles, USA, 27/2-2/3/2016.
- 42) Synthesis and biomedical applications of tumor-targeting peptidomimetics. Bologna, Italy 14-16/2/2016 (**invited plenary lecture**).
- 43) Congresso della Divisione di Chimica dei Sistemi Biologici, Società Chimica Italiana, Siracusa, Italy, 24-25/9/2015
- 44) 1st European Conference on Physical and Theoretical Chemistry, Catania, Italy, 14-18/9/2015 (**oral presentation**)
- 45) Congresso della Divisione di Chimica Organica, Società Chimica Italiana, Bologna, Italy, 13-17/9/2015
- 46) 26th European Meeting on Dysmorphology, Bischoffshausen, France, 9-11/9/2015.
- 47) ChirItaly 2015, Rome, Italy 8-10/9/2015
- 48) Multinational Congress on Microscopy, Eger (Hungary), 23-28/8, 2015.
- 49) 10th European Biophysics Congress, Dresden, Germany, 18-22/7/2015
- 50) 24th American Peptide Symposium, Orlando, Florida, USA, 20-25/6/2015.
- 51) Assemblea nazionale dell'associazione "Angeli Noonan", Rome, Italy, 12/6/2015 (**invited lecture**)
- 52) Biophysics@Rome, Rome, Italy, 28-29/5/2015
- 53) Spring Meeting of the European Materials Research Society, Lille, France, 11-15/5/2015 (Best Poster Award, "Development of a gravimetric sensor for the study of the interaction between the Thymidine Phosphorilase and 5-fluorouracil derivatives" Lettieri, Stella, Venanzi, Gatto).
- 54) Department of Biochemistry, Sapienza University of Rome, Rome, Italy, 8/5/2015 (**invited lecture**).
- 55) 59th annual meeting of the Biophysical Society, Baltimore, USA, 7-11/2/2015.
- 56) Conway Institute of Biomolecular and Biomedical Research, University College Dublin, Ireland, 2/12/2014 (**invited lecture**).
- 57) XXII Congresso Nazionale SIBPA, Palermo, 21-24/9, 2014. (oral presentation, coauthor)
- 58) XXV Congresso Nazionale della SCI, Arcavacata (CS), 7-12/9, 2014. (oral presentation, coauthor)
- 59) 33rd European Peptide Symposium, Sofia (Bulgaria), 31/8-5/9, 2014 (**oral presentation**)
- 60) Korean Peptide Protein Society International Symposium, Pusan (Korea), 7-8, 7/2014 (**invited lecture**).
- 61) 14th Naples Workshop on Membrane Active Peptides, Napoli, 12-14, 6/2014 (**invited lecture**).
- 62) Biophysics@Rome, Rome, Italy 22-23, 5/2014 (**invited lecture**).
- 63) 58th Biophysical Meeting, San Francisco (USA), 4/2014.
- 64) 9th European Biophysics Congress, EBSA2013, Lisbon (Portugal) 13-17, 7/2013.
- 65) XL Congresso Nazionale di Chimica Fisica, Alessandria, 23-27, 6/2013. (oral presentation, coauthor)
- 66) I.R.B.M., Pomezia, 7/2/2013 (**invited lecture**).
- 67) "Prospettive 2012", Urbino, 24-25, 11/2012.

- 68) XXI Congresso Nazionale SIBPA, Ferrara, 17-20, 9/2012.
- 69) 32nd European Peptide Symposium, Athens (Greece), 2-7, 9/2012.
- 70) 13th Naples workshop on bioactive peptides, Napoli, 7-10, 6/2012.
- 71) 2nd New Antimicrobials Workshop, Trieste, 25-26, 5/2012.
- 72) XXIV congresso nazionale della società chimica italiana, Lecce, Italia, 11-16, 9/2011.
- 73) 22nd American Peptide Society Symposium. San Diego, U.S.A., 25-30, 6/2011.
- 74) Horiba workshop "Steady-state and time-resolved fluorescence", Rome, Italy, 20/4/2011 (**invited lecture**).
- 75) 55th Annual Meeting of the Biophysical Society. Baltimore, U.S.A., 5-9/3/2011.
- 76) Foldamers: design synthesis and applications. Bologna, Italy, 6-8/10/2010.
- 77) XX Congresso Nazionale SIBPA 2010, Arcidosso, Italy, 11-14 9/2010.
- 78) Congresso Nazionale 2010 della Divisione di Chimica dei Sistemi Biologici della Società Chimica Italiana. San Vito di Cadore (BL), 9-11 9/2010 (**oral presentation**).
- 79) 31st European Peptide Symposium, Copenhagen, 5-9 9/2010.
- 80) EBSA Biophysics Course 2010, Bordeaux, 6-11 6/2010.
- 81) 12th Naples workshop on Bioactive Peptides, Naples, Italy 4-7 6/2010 (oral presentation, coautore).
- 82) IV Korea-Italy Science and Technology Forum, Naples, Italy, 2-4 6/2010 (**oral presentation**).
- 83) Biophysics of Membrane Active Peptides, Bad Honnef, Germany, 11-14, 4/2010.
- 84) European Biophysics Congress, Genoa, Italy, 11-15, 7/2009.
- 85) XXIII Congresso Nazionale Società Chimica Italiana, Sorrento, Italy, 5-10, 7/2009.
- 86) 45th Japanese Peptide Symposium, Tokyo, Japan, 29-31, 10/2008.
- 87) Convegno Società Italiana di Biofisica Pura e Applicata, Roma, 9/2008.
- 88) 30th European Peptide Symposium, Helsinki, Finland, 9/2008.
- 89) 1st Italy-Korea Symposium on Antimicrobial Peptides, Gwangju, South Korea, 7/2008 (oral presentation, coauthor).
- 90) 2nd International Conference on Nanostructures Self Assembly: Nanosea 2008, Frascati, 7/2008.
- 91) 11th Naples Workshop on Bioactive Peptides, Napoli, 5/2008.
- 92) Acta Biophysica Romana 2008, Roma, 4/2008.
- 93) XXXVII Congresso Nazionale di Chimica Fisica, Camogli (GE) 2/2008.
- 94) Conferenza divulgativa "Come si vede ciò che non si vede" nell'ambito del ciclo di conferenze "La fisica incontra la città", Università di Roma 3, 5/12/2007.
- 95) 11th Korean Peptide Symposium, Sogang University, Korea, 11/2007.
- 96) Convegno Nazionale della Divisione dei Sistemi Biologici, SCI, Montagnana (PD) 11/2007.
- 97) X Congresso Nazionale SIGU, Montecatini Terme (PT), 11/2007.
- 98) 4th international peptide symposium, Cairns, Australia, 10/2007.
- 99) Congresso CSGI, S. Vittoria di Matenano (AP), 9/2007.
- 100) European Human Genetics Conference 2007, Nice, Francia, 6/2007.
- 101) XXXVI Congresso Nazionale della Divisione di Chimica Fisica, Gallipoli (Le), 6/2007.
- 102) 20th American Peptide Society Symposium, Montreal, Canada, 6/2007.
- 103) Gordon Research Conference on antimicrobial peptides, Barga (Lu), 5/2007.
- 104) 7th international symposium on peptide and protein materials, Gwangju, Corea, 4/2007 (**invited lecture**).
- 105) 51st Annual Meeting of the Biophysical Society, Baltimore, U.S.A., 3/2007.
- 106) XXII Congresso Nazionale della Società di Chimica Italiana, Firenze, 9/2006.
- 107) 29th European Peptide Symposium, Gdansk, 9/2006.
- 108) Acta Biophysica Romana 2006, Roma, Italy 2/2006.
- 109) Nanocose 3, Roma, Italy 10/2005.
- 110) 9th International Conference on Methods and Applications of Fluorescence, Lisbona, Portugal 9/2005.

- 111) Matter, Materials and Devices meeting, Genova, Italy 6/2005.
- 112) XXXIV Congresso Nazionale della Divisione di Chimica Fisica della Società di Chimica Italiana, Siena, Italy 6/2005.
- 113) 19th American Peptide Symposium, San Diego, U.S.A. 6/2005.
- 114) European Materials Research Society 2005 spring meeting, Strasburg, France 5/2005.
- 115) 6th European Symposium of the Protein Society, Barcelona, Spain 4/2005.
- 116) II Russian Peptide Symposium, St. Petersburg, Russia 3/2005.
- 117) 28th European Peptide Symposium, Prague, Czech Republic 9/2004.
- 118) XXXIII Congresso Nazionale della Divisione di Chimica Fisica della Società di Chimica Italiana, Napoli, Italy 6/2004.
- 119) Acta Biophysica Romana 2004, Roma, Italy 6/2004.
- 120) 18th American Peptide Symposium. Boston, MA, U.S.A. 7/2003.
- 121) XXI Congresso Nazionale della Società di Chimica Italiana. Torino, Italy 6/ 2003.
- 122) Workshop "Peptaibols: biosynthesis, structural diversity, bioactivity and mode of action", Jena, Germany 10/2002.
- 123) Italfarmaco, Milano, Italy 2002 (**invited lecture**).
- 124) 27th European Peptide Symposium, Sorrento, Italy 8/2002 (**oral communication**)
- 125) International workshop on fluorescence techniques in sensing and sensors, Dublin, Ireland, 6/2002.
- 126) 7th Conference on methods and applications of fluorescence, Amsterdam, Netherlands 9/2001.
- 127) 9th european conference on the spectroscopy of biological molecules, Prague, Czech Republic 9/2001.
- 128) Convegno INSTM 2001, Trento, Italy 6/2001.
- 129) 2nd international peptide symposium, S. Diego, U.S.A. 6/2001.
- 130) XXXI Congresso Nazionale di Chimica Fisica, Padova, Italy 6/2001.
- 131) 7th Naples Workshop on bioactive peptides, Anacapri, Italy 9/2000.
- 132) XXX Congresso Nazionale di Chimica Fisica, Firenze, Italy 9/1999.
- 133) Proteine '99, XIV Congresso del gruppo di Struttura e Funzione delle Proteine della Società Italiana di Biochimica, Roma, Italy 6/1999.
- 134) Congresso Nazionale dell'I.N.F.M., Catania, Italy 6/1999.
- 135) Peptides '99, U.S.A. 1999.
- 136) Acta Biophysica Romana '98, Roma, Italy 3/1998.
- 137) International workshop on glutathione transferases, Roma, Italy 7-10 11/1997 (**oral communication**).
- 138) LXXXIII congresso nazionale della Società Italiana di Fisica, Como, Italy 10/1997.
- 139) Congresso Sez. B (Biofisica) dell'I.N.F.M., S. Martino al Cimino (VT), Italy 10/1997.
- 140) 42 congresso nazionale della Società Italiana di Biochimica, Ancona, Italy 9/1997.
- 141) Workshop "la biofisica nell'area romana", Roma, Italy 6/1997.
- 142) Congresso della European Physical Society, Seville, Spain 9/1996 (**oral communication**)
- 143) 38th annual meeting of the biophysical society, New Orleans, U.S.A. 3/1994.
- 144) LXXX congresso nazionale della Società Italiana di Fisica, Lecce, Italy 9/1994 (**oral communication**).
- 145) Meeting of the Brazilian Society of Biochemistry and Molecular Biology, Rio de Janeiro, Brasil 5/1994.
- 146) VII Symposium of the Protein Society, U.S.A. 7/1993.
- 147) "Protein Structure and Function", Urbana, U.S.A. 6/1993.