

PERSONAL INFORMATION

Michele Saviano



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WORK EXPERIENCE

Dates (from – to) Name and address of employer Type of business or sector Occupation or position held Main activities and responsibilities	from 01/02/2007 to this date Consiglio Nazionale delle Ricerche Research in the field of Biotechnology for Health (Design on structural basis of new drugs and diagnostics) and in Structural Chemistry and Biology Director of Research Director of Research CNR, (Chemical Sciences), at Institute of Crystallography CNR
Dates (from – to) Name and address of employer Type of business or sector Occupation or position held Main activities and responsibilities	from 01/05/2010 to 31/01/2021 Consiglio Nazionale delle Ricerche Research in the field of Biotechnology for Health (Design on structural basis of new drugs and diagnostics) and in Structural Chemistry and Biology Director of Institute/ Director of Research Director of Institute of Crystallography – Bari
Dates (from – to) Name and address of employer Type of business or sector Occupation or position held Main activities and responsibilities	from 01/01/2007 to 30/04/2010 Consiglio Nazionale delle Ricerche Research in the field of Biotechnology for Health (Design on structural basis of new drugs and diagnostics) and in Structural Chemistry and Biology Director of Research Director of Research CNR, (Chemical Sciences), at Institute of Biostructures and Bioimaging CNR Napoli
Dates (from – to) Type of business or sector Occupation or position held Main activities and responsibilities	from 03/2000 to 05/2000 and from 05/2001 to 07/2001 Research in the field of Biotechnology for Health (Design on structural basis of new drugs and diagnostics) and in Structural Chemistry and Biology Visiting Professor Visiting Professor at Faculty of Sciences of University of Nancy "H. Poincaré", Nancy France
Dates (from – to) Name and address of employer Type of business or sector Occupation or position held Main activities and responsibilities	from 15/07/1998 to 31/12/2006 Consiglio Nazionale delle Ricerche Research in the field of Biotechnology for Health (Design on structural basis of new drugs and diagnostics) and in Structural Chemistry and Biology Senior Researcher Senior Researcher CNR, at Institute of Biostructures and Bioimaging CNR Napoli
Dates (from – to) Type of business or sector Occupation or position held	from 01/06/1995 to 31/08/1995 Research in the field of Biotechnology for Health (Design on structural basis of new drugs and diagnostics) and in Structural Chemistry and Biology Visiting Researcher

Main activities and responsibilities	Visiting Researcher at Gustaf H. Carlson School of Chemistry, Clark University, Worcester, Massachusetts, USA
Dates (from – to)	from 28/12/1992 to 15/07/1998
Name and address of employer	University of Naples "Federico II"
Type of business or sector	Research in the field of Biotechnology for Health (Design on structural basis of new drugs and diagnostics) and in Structural Chemistry and Biology
Occupation or position held	Associated Researcher
Main activities and responsibilities	Associated Researcher of Inorganic and General Chemistry at Faculty of Science of University of Naples "Federico II"
Dates (from – to)	from 09/1990 to 12/1990
Type of business or sector	Research in the field of Biotechnology for Health (Design on structural basis of new drugs and diagnostics) and in Structural Chemistry and Biology
Occupation or position held	Visiting Researcher
Main activities and responsibilities	Visiting Researcher IBM Corporation "Scientific Engineering Computations Data Systems Division" in Kingston, New York, USA,
Dates (from – to)	from 16/06/1989 to 28/12/1992
Name and address of employer	Consiglio Nazionale delle Ricerche
Type of business or sector	Research in the field of Biotechnology for Health (Design on structural basis of new drugs and diagnostics) and in Structural Chemistry and Biology
Occupation or position held	Researcher
Main activities and responsibilities	Researcher CNR Centro di Studio di Biocristallografia (CNR) Napoli
Dates (from – to)	from 15/06/1988 to 14/06/1989
Name and address of employer	Accademia Nazionale dei Lincei- Roma
Type of business or sector	Research in the field of Biotechnology for Polymer Science
Occupation or position held	ScholarShip
Main activities and responsibilities	Researcher "Istituto di Ricerche su Tecnologia dei Polimeri e Reologia (CNR) Napoli

EDUCATION AND TRAINING

Dates (from – to)	1983-88 Course of Industrial Chemistry at University of Naples, Faculty of Science
Name and type of organisation providing education and training	University of Naples "Federico II"
Title of qualification awarded	"Laurea" in Industrial Chemistry 110/110 summa cum laude.
Level in National classification	

PERSONAL SKILLS

Mother tongue(s) Italian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages - Self-assessment grid](#)

Organisational / managerial skills

- President of the CNR Research Area of Bari (coordination do 15 CNR Institutes) from November 2014 to December 2020
- President of Italian Association of Crystallography from 1/2012 to 12/2014
- President of the CNR-IuCR (international Union of Crystallography) commission from 01/2019 to this date
- Director of the Institute of Crystallography (CNR) Bari with 89 staff units and an average annual budget from research projects calculated over the five years of management of 1 million euros from 05/2010 to 06/2021
- CNR coordinator of access at the National Biophotonics Imaging Platform- Ireland from 2009 to 2012 (A Consortium of imaging and biophotonics laboratories from across the Universities and Institutes of Technology in Ireland, 3 EU partners; CNRS Montpellier (France), the CNR Naples and Bari (Italy) and The Nordic Imaging Network and 1 associated international partner; CECs, (Chile).
- Project Leader of Project "Design of new molecules with predetermined biochemical properties" at the CNR Department of Molecular Design from 06/2006 to 05/2010
- Head of the Scientific Board of Centro Regionale di Competenza in Diagnostica e Farmaceutica Molecolari- Napoli from 12/2005 to 04/2010 (a Consortium carried out as part of a POR project for infrastructural and human resources upgrading of the Campania Region, from the National Research Council, University of Naples, "Federico II", University of Campania "Luigi Vanvitelli" and University of Salerno, and the National Institute for the Study and Treatment of Tumors "Giovanni Pascale Foundation" (14ML budget),
- Head of the Biostructures Section of the Institute of Biostructures and Bioimaging from 17 April 2002 to 18 November 2008

Conferences organized

Member of the Organizing Committee of "7 Naples Workshop on Bioactive Peptides", Capri Settembre 2000; Member of the Organizing Committee of "XXXI congresso nazionale dell' AIC", Parma 200; Member of the Organizing Committee of "27 European Peptide Symposium", Sorrento Settembre 2002; Member of the Organizing Committee of "9 Naples Workshop on Bioactive Peptides", AnaCapri Maggio 2004; Director of AIC 2004 School "I metodi di diffrazione nell'analisi della materia a livello atomico. Principi e applicazioni" Miramare di Trieste, 30 agosto-3 settembre 2004; Member of the Organizing Committee of "X Scuola Nazionale di Chimica Bioinorganica" per dottorandi Catania, 12-14 settembre 2005; Co Chair of Microsimposium "MS94 CRYSTALLOGRAPHIC KNOWLEDGE IN DRUG DESIGN STRATEGIES XX IUCr Congress" Firenze August 23-31 2005; Member of the Organizing Committee of "10 Naples Workshop on Bioactive Peptides", Napoli Maggio 2006; Member of the Organizing Committee of "9th International Symposium on Applied Bioinorganic Chemistry", Napoli- December 2-5, 2006; Member of the Organizing Committee of "11 Naples Workshop on Bioactive Peptides", Napoli Maggio 2008; Chair of the Organizing Committee of della "Scuola Nazionale di Chimica Bioinorganica per Dottorandi" della Divisione di Chimica Inorganica della SCI, Napoli, 14-16 settembre 2008; Member of the Organizing Committee of "XXIII Congresso Nazionale della Società Chimica Italiana", Sorrento 5-10 Luglio 2009; Chair of "38° Congresso Nazionale dell'Associazione Italiana di Cristallografia", Salerno 20/23 Settembre 2009; Member of the Scientific Committee of "XV SCUOLA NAZIONALE DI SCIENZA DEI MATERIALI" Bressanone, 21 - 30 Settembre 2009; Member of the Organizing Committee of del "12 Naples Workshop on Bioactive Peptides", Napoli Maggio 2010; Member of the Organizing Committee of del "XXIV Congresso Nazionale della Società Chimica Italiana", Lecce 11-16 Settembre 2011; Member of the Scientific Committee of del "BioPic2010", Co Meath, Ireland Ottobre 2010; Chair of

"13th Naples Workshop on Bioactive Peptides Conformation Activity in Peptides: Relationships and Interactions" Napoli, 7-10 June 2012; Chair of "40° Congresso Nazionale dell'Associazione Italiana di Cristallografia", Verona Settembre 2012; Member of the Scientific Committee of "BioPic2013", Dublino Marzo 2013; Member of the Steering Committee of "Meeting of the Italian, Spanish and Swiss Crystallographic Associations (MISSCA2013)" September 9th – 12th 2013 Como; Member of the Organizing Committee of del workshop "New frontiers of nanomaterial technologies for applications in biology and medicine" July 10th-11st 2014. Tirana, Albania; Chair of "14th Naples Workshop on Bioactive Peptides Conformation Activity in Peptides: Relationships and Interactions" Napoli, 12-14 June 2014 Member of the Organizing Committee of "1st European Crystallography School" August 28-September 6 2014, Pavia; Member of Steering Committee of "2nd Joint AIC-SILS conference" Florence, September 15-18 2014; Member of the Steering Committee of "XLIV Congresso dell'Associazione Italiana di Cristallografia", Vercelli, 14-18 Settembre 2015; Member of the Organizing Committee of "XLIII Congresso Nazionale delle Chimica Inorganica" Camerino 9-12 settembre 2015; Member of the Organizing Committee of del "XV Workshop PharmacoBiometallics BioMet15", Bari 23-24 Ottobre 2015; Member of Advisory Board Committee of "School of Nanomedicine", Bari, 2-4 Dicembre 2015; Chair of "15th Naples Workshop on Bioactive Peptides Conformation Activity in Peptides: Relationships and Interactions" Napoli, 23-25 June 2016; Member of the Organizing Committee of "IV Meeting of the Italian and Spanish Crystallographic Associations (MISCA)", Tenerife, 21-24 Giugno 2016; Member of the Organizing Committee of del "XLIV Congresso Nazionale delle Chimica Inorganica" Padova 14-17 settembre 2016, Member of the Steering Committee of "XLVI Annual Meeting of the AIC" Perugia, June 26-29, 2017; Member of the Advisory Board Committee of "School of Nanomedicine", Bari, 11-13 Ottobre 2017; Member of the Organizing Committee of del "XVII Workshop PharmacoBiometallics BioMet18", Napoli 16-17 Febbraio 2015; Chair of "16th Naples Workshop on Bioactive Peptides Conformation Activity in Peptides: Relationships and Interactions" Napoli, 7-9 June 2018; Member of the Scientific Committee of del "3th Joint AIC-SILS conference", Roma, 25-28 Settembre 2018; Member of the Scientific Committee of del "XLVI Congresso Nazionale delle Chimica Inorganica" Bologna 10-13 settembre 2018; Chair of "XLVII Congresso Nazionale delle Chimica Inorganica" Bari 9-12 settembre 2019; Chair of "Scuola Nazionale di Chimica Bioinorganica" per Dottorandi della Divisione di Chimica Inorganica della SCI, Roma, 12-15 febbraio 2009; Chair of "Fifth Meeting of the Italian (AIC) and Spanish Crystallographic (GE3C) Associations (MISCA V)", Napoli 4-17 Settembre 2019; Chair of "AIC International Crystallography School 2019", Napoli 29 Agosto-3 Settembre 2019; Chair of 17th Naples Workshop on Bioactive Peptides Conformation Activity in Peptides: Relationships and Interactions" Napoli, 18-20 June 2022

Principal Appointments

- Italian Delegate in the IUPAC Chemistry and Human Health Division (VII) 2020-2021.
- Member of the working group for the drafting of the book "The innovations of the near future: priority technologies for industry. X Edition Vol I - Scenarios (2020) edited by the Italian Industrial Research Association (AIRI)
- Delegate for the CNR for Italy, at the International Union of Crystallography (IUCr) 2019-22
- Substitute Delegate for the CNR for Italy, at the European Chemical Society (EuChemS) 2019-22
- Board Member of Division of Inorganic Chemistry of Italian Chemical Society from 1/2015 to this date
- Member of the working group for the drafting of the IX volume on priority technologies Pharmaceutical Biotechnology section (2015) edited by the Italian Industrial Research Association (AIRI)
- Member of the Strategic Steering Committee within the Joint Agreement between the CNR and the Italian Chemical Society from April 2015 to this date
- Elected member of the Executive of the Puglia section of the Italian Chemical Society for the three-year periods 2014-2016 and 2017-2019
- Delegate of the CNR President within the agreement between CNR and Regione Puglia from 2014 to 2016
- Member of the Scientific Commission of the Italian Chemical Society three-year period 2014-2016
- Member of the Scientific Council of the Interuniversity Research Consortium in Metal Chemistry in Biological Systems (C.I.R.C.M.S.B.) from 2014 to this date
- Member of the Scientific Board of National Collection of Compounds and Chemical Screening Center Pomezia from 07/2013 to this date

- Member of CNR Commission for the coordination of the Research Activity in the field of the Neutron/X-ray sources from 2013 to 2016
- CNR Delegate for the drafting of the Research & Development Program within the POR Regione Campania - Biotechnology area for Medicines "Integrated Network for Biotechnologies applied to molecules with Pharmacological activity (FARMABIONET)" (Project involving CNR, University of Campania and 12 Companies in the sector) 2012
- Secretary of the CNR-IuCR (international Union of Crystallography) commission from 09/2011 to 12/2018
- Member of the Bilateral Commission CNR/University of Bari from 2010 to this date
- External advisory board of National Biophotonics Imaging Platform- Ireland from 01/2009 to 12/2012.
- Board member of "Diagnostica e Farmaceutica Molecolari" DFM scarl. from 12/2007 to 2015
- Member of the Committee for the teaching organization and evaluation of the development of the STRUIM high-education project - Training of professional figures in the field of biostructures and bioimaging n. 1372/562, approved by the Ministry of Education, University and Research within the National Operational Program "Scientific Research, Technological Development, Higher Education" 2000-2006 for Objective 1 Regions, AXIS III - Measure III.1 from June 6, 2005 to June 5, 2007
- Member of the Scientific Board of Centro Regionale di Competenza in Diagnostica e Farmaceutica Molecolari- Napoli from 06/2003 to 04/2010
- Coordinator of Interdivisional Group in Structural Chemistry of Italian Chemical Society from 2002 to 2007.
- Member of the Scientific Council of the Interdepartmental Center of Chemical-Physical Methodologies (CIMCF) of the University of Naples "Federico II" from 1995 to 1998
- Member of the Scientific Council of the Interuniversity Research Center on Bioactive Peptides (CIRPEB) of the University of Naples "Federico II" from 1993 to date

Journal services

At present member of the Editorial Board of Scientific Report, Molecules and Review Editor of Frontiers in Chemical Biology.

Research Activities

The scientific activity carried out by Dr. Saviano is part of the vast research topic of "Molecular Recognition", with particular reference to the study of structural biomolecules with Structural Biology and Chemistry techniques, in order to clarify the relationship between structure and biological activity for the understanding of the mechanism of action of biologically relevant systems and for the molecular design on structural bases of new bioactive compounds

Recent scientific activities include: a) de novo protein, oligonucleotides and peptide design; b) rational design of conformationally constrained analogues of bioactive peptides with enhanced in vivo selectivity, affinity, and stability; c) development of computational procedures in the conformational analysis of bioactive molecules at different complexity; d) analysis with different computational techniques of modified oligonucleotides and their interaction with proteins or with DNA and RNA; e) chemistry and conformational properties of peptides containing non natural amino acid residues; e) study of the preferred conformations in solution (by NMR, FT-IR, CD) and in the crystal state (by X-ray diffraction) of bioactive molecular systems.

Research activity, carried out in collaboration with several Italian and foreign laboratories, is focused on the following topics:

- a) interactions between peptides and metal ions and bio-molecules in order to clarify the relationship between structure and biological activity and the role played by metal ions in modular bioactive conformations;
- b) design of new peptide systems that can mimic protein systems;
- c) structural characterization of peptide systems containing uncoded systems that can be used in the drug design of new compounds with particular conformational properties.
- d) predictions of the behaviour of protein systems in order to guide protein engineering in the expression of new proteins with particular biotechnological characteristics.
- e) predicted behaviour of modified oligonucleotide systems and their structural characterization in order to obtain new systems with particular biotechnological properties.

He is author of about 240 full paper published on international journals, 3 patents, and many lectures to national and international congresses (H-index 34 Google Scholar, 32 Web of Science). He has also established many collaborations with a great number of scientists, involved in chemistry of bioactive systems, all over the world. Furthermore he has many ongoing links with industries, both large internationally established firms and small and medium size Italian enterprises.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem-solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

ADDITIONAL INFORMATION

Project Coordinator

- 1998 Research Project "Structural determination of Bacillus Acidocaldarius Thioredoxin and its mutants" per l'accesso alla European Large Scale Facility "Centre for Design and Structure in Biology"
- 2003-2008 Research Project POR 2000-2006" Definition of the molecular basis for the functioning of natural and synthetic molecules in angiogenesis" founded by Regione Campania
- 2004-2005 Research Contract "Design and synthesis of peptidic and non peptidic libraries funded by Tecnogen scpa
- 2006-2008 Research Contract "Cloning, expression, purification and structural analysis with crystallographic, mass spectrometry and SPR techniques of the IRAK1 protein and/or its domains" funded by Tecnogen Scpa
- 2005-2007 High level formation project "STRUJIM – High Level Formation of researches in the field of biostructures and bioimaging" funded by the Italian Ministry of Education and Research (MIUR) (Programma Operativo Nazionale "Ricerca Scientifica, Sviluppo Tecnologico, Alta formazione" 2000-2006 per le Regioni Obiettivo 1)
- 2008-2011 International Project CNR-CNRS "Design of new Peptidylglycine α -Amidating Monooxygenase inhibitors: a way to be explored for the treatment of the Prostate Cancer " funded by Italian National Research Council and France National Center for Scientific Research)
- 2013-2016 Research Project "From Nucleic Acid to Personalized Medicine: Innovative approaches to Early Diagnosis and Therapy of Tumor Diseases" funded by Fondazione CON il SUD
- 2014-2015 Research Project "Development of scientific and technological platforms and molecular libraries highly innovative applied to rare diseases and neglected", funded by Regione Lazio
- 2015 Research project " Study of the structure-activity relationships of bioactive compounds from plants traditional Chinese" funded by Regione Campania (Legge5-2008)
- 2020-2022 Research project for International Joint Laboratory "The Bioinorganic Drugs joint laboratory: a multidisciplinary platform promoting new molecular targets for drug discovery," funded by CNR and CNRS (France)

Local Project Coordinator

- 2008-2010 National Research Project, PRIN07- PNA and PNA conjugates for the targeting of RNA, Funded by the Italian Ministry of University and Research
- 2009-2012 European Project FP7-PEOPLE- 2007-2-3-COFUND PEOPLE MARIE CURIE ACTIONS Co-funding of regional, national and international programmes "THE NBIPI-CAREER ENHANCEMENT MOBILITY PROGRAMME (CEMP) MOLECULAR AND CELLULAR IMAGING CORE", founded by European Commission
- 2011-2013 National Research Project, PRIN09- Design, synthesis and conformational studies of new PNA and PNA conjugates as tools to interfere in the biogenesis/processing of miRNA and miRNA precursors and for their detection, Funded by the Italian Ministry of University and Research ;
- 2011-2014 National Research Project FIRB Call MERIT - MEDical Research in Italy " Molecular

bases in ageing-related degenerative syndromes, Funded by the Italian Ministry of University and Research ;

- 2011-2015 National Research Project PON 2007-2013 " Heading towards personalized medicine: new molecular systems for the diagnosis and therapy of socially important oncological pathologies PON01_2388" funded by Italian Ministry MIUR
- 2012-2016 National Research Project FIRB " Integrated Network for NanoMedicine – RINAME", founded by Italian Ministry MIUR
- 2015-2018 European Project H2020-NMP-2014-two-stage Topic: NMP-21-2014 "Materials-based solutions for protection or preservation of European cultural heritage dal titolo NANOMaterials for the REStoration of works of ART – NANORESTART funded by European Commission
- 2017-2021 PON MISE H2020 Project "Study, design and development of an innovative kit for the early and non-invasive diagnosis of celiac disease using genetic markers" funded by Italian Ministry of Economic Development
- 2019-2022 PON MUR PNR 2015-2020 Project ARS01_1270 "Innovative Devices for Shaping the Risk od Diabetes" funded by Italian Ministry of University and Research
- 2019-2013 Regional Research Project "Factory EVOLUTION START UP", funded by Regione Puglia in the Call "Estrazione dei Talenti 2019" in the field "Human Health" to promote and support the launch of innovative business ideas in the health sector in the Regione Puglia

Honours and awards

AIC Award 1998 by the Italian Association of Crystallography in recognition of his outstanding contribution to the analysis with crystallographic and computational techniques of bioactive systems.

List of publication of last 5 years

1. D Comegna, I de Paola, M Saviano, A Del Gatto and L Zaccaro "Straightforward Entry to S-Glycosylated Fmoc-Amino Acids and Their Application to Solid Phase Synthesis of Glycopeptides and Glycopeptidomimetics." *Org Lett.* (2015) 17(3): 640-643
2. E. Calce, P. Ringhieri, FA Mercurio, M Leone, V Bugatti, M Saviano, V Vittoria, and S De Luca "A biocompatible process to prepare hyaluronan-based material able to self-assemble into stable nano-particles" *RSC Advances* (2015) 5(37): 29573-29576.
3. E Calce, L Monfregola, M Saviano, and S De Luca. "HER2-mediated anticancer drug delivery: strategies to prepare targeting ligands highly specific for the receptor." *Curr Med Chem.* (2015) 22(21):2525-38.
4. FA Mercurio, C Di Natale, L Pirone, PL Scognamiglio, D Marasco, EM Pedone, M Saviano, and M Leone. "Peptide Fragments of Odin-Sam1: Conformational Analysis and Interaction Studies with EphA2-Sam" *Chembiochem.* (2015) 16(11):1629-36
5. C Avitabile, A Accardo, B Farina, I de Paola, L Russo, D Capasso, A Liguoro, A Del Gatto, M Saviano, PV Pedone, S Di Gaetano, G Malgieri, L Zaccaro, and R Fattorusso. "A Combined NMR and Computational Approach to Determine the RGDechi-hCit- α v β 3 Integrin Recognition Mode in Isolated Cell Membranes." *Chemistry.* (2015) 22(2): 681-93.
6. C. Avitabile, A. Accardo, P Ringhieri, G Morelli, M Saviano, G Montagner, E Fabbri, E Gallerani, R Gambari, and A Romanelli "Incorporation of Naked Peptide Nucleic Acids into Liposomes Leads to Fast and Efficient Delivery." *Bioconjug Chem.* (2015) 26(8):1533-41.
7. B Farina, I de Paola, L Russo, D Capasso, A Liguoro, A Del Gatto, M Saviano, PV Pedone, S Di Gaetano, G Malgieri, L Zaccaro, and R Fattorusso. "A Combined NMR and Computational Approach to Determine the RGDechi-hCit- α v β 3 Integrin Recognition Mode in Isolated Cell Membranes." *Chemistry* (2016) 22(2):681-93.
8. E Calce, FA Mercurio, M Leone, M Saviano, and S De Luca S. "Eco-friendly microwave-assisted protocol to prepare hyaluronan-fatty acid conjugates and to induce their self-assembly process." *Carbohydr Polym.* (2016) 143:84-9
9. E Langella, E Calce, M Saviano, and S De Luca "Structural identification of an HER2 receptor model binding pocket to optimize lead compounds: a combined experimental and computational approach." *Mol Biosyst.* (2016) 12(7):2159-67
10. P Ringhieri, C Avitabile, M Saviano, G Morelli, A Romanelli, and A Accardo "The influence of liposomal formulation on the incorporation and retention of PNA oligomers." *Colloids Surf B Biointerfaces.* (2016) 145:462-469
11. A Sinopoli, A Giuffrida, MF Tomasello, ML Giuffrida, M Leone, F Attanasio, F Caraci, P De Bona, I Naletova, M Saviano, A Copani, G Pappalardo, and E Rizzarelli. "The Peptidomimetic trehalose conjugated Ac-LPFFD-Th as a strong suppressor of amyloid- β oligomer formation and cytotoxicity" *ChemBiochem.* (2016) 17(16):1541-9.
12. G Valente, N Depalo, I de Paola, RM Iacobazzi, N Denora, V Laquintana, RComparelli, E Altamura, T Latronico, M Altomare, E Fanizza, M Striccoli, A Agostiano, M Saviano, A Del Gatto, L Zaccaro, and M L Curri "Integrin-targeting with peptide-bioconjugated semiconductor-

- magnetic nanocrystalline heterostructures" *Nano Research* (2016), 9(3):644-662
13. C Avitabile, LD D'Andrea, M Saviano, and A Romanelli "Determination of the secondary structure of peptides in the presence of Gram positive bacterium *S. epidermidis* cells" *RSC Advances* (2016) 6(56): 51407-51410
 14. GN Roviello, V Roviello, I Autiero, and M Saviano "Solid phase synthesis of TyrT, a thymine-tyrosine conjugate with poly (A) RNA-binding ability" *RSC Advances* (2016) 6 (33):27607-27613
 15. L Piras, C Avitabile, LD D'Andrea, M Saviano, and A Romanelli "Detection of oligonucleotides by PNA-peptide conjugates recognizing the biarsenical fluorescein complex FIAsh-EDT2" *Biochemical and Biophysical Research Communications* (2017) 493(1):126-131
 16. P Disetti, L Piras, M Moccia, M Saviano, and MFA Adamo "Model Studies for the Preparation of Oxepanes and Fused Compounds by Tandem [4+3] Cycloaddition/Ring-Opening Metathesis/Cross Metathesis" *European Journal of Organic Chemistry* (2017) 2017(41): 6202-6208
 17. N. Depalo, M. Corricelli, I. De Paola, G. Valente, RM Iacobazzi, E Altamura, D Debellis, D. Comegna, E Fanizza, N Denora, V Laquintana, F Mavelli, M Striccoli, M Saviano, A Agostiano, A Del Gatto, L Zaccaro, and ML Curri "NIR Emitting Nanoprobes Based on Cyclic RGD Motif Conjugated PbS Quantum Dots for Integrin-Targeted Optical Bioimaging" *ACS Applied Materials & Interfaces* (2017) 9(49): 43113-43126
 18. D Comegna, A Zannetti, A Del Gatto, I de Paola, L Russo, S Di Gaetano, A Liguoro, D Capasso, M Saviano, L Zaccaro "Chemical Modification for Proteolytic Stabilization of the Selective avb3 Integrin RGDechi Peptide: in Vitro and in Vivo Activities on Malignant Melanoma Cells" *Journal of Medicinal Chemistry* (2017), 60(23): 9874-9884
 19. C Avitabile, C Diaferia, B Della Ventura, FA Mercurio, M Leone, V Roviello, M Saviano, R Velotta, G Morelli, A Accardo, A Romanelli. Self-assembling of Fmoc-GC "Peptide Nucleic Acid dimers into highly fluorescent aggregates." *Chemistry* (2018) 24(18):4729-4735
 20. H. Honarvar, E Calce, N Doti, E Langella, A Orlova, J Buijs, V D'Amato, R Bianco, M Saviano, V Tolmachev, S De Luca. "Evaluation of HER2-specific peptide ligand for its employment as radiolabeled imaging probe." *Sci Rep.* (2018) 8(1):2998
 21. E Calce, G Digilio, V Menchise, M Saviano, S De Luca "Chemoselective Glycosylation of Peptides through S-Alkylation Reaction." *Chemistry.* (2018) Apr 20;24(23):6231-6238.
 22. C Bolzati, N Salvarese, D Carpanese, R Seraglia, L Meléndez-Alafort, A Rosato, D Capasso, M Saviano, A Del Gatto, D Comegna, L Zaccaro. "[^{99m}Tc][Tc(N)PNP43]-Labeled RGD Peptides As New Probes for a Selective Detection of $\alpha v \beta 3$ Integrin: Synthesis, Structure-Activity and Pharmacokinetic Studies." *J Med Chem.* (2018) 61(21):9596-9610
 23. S De Luca, G Digilio, V Verdoliva, M Saviano, V Menchise, P Tovillas, G Jiménez-Osés, JM Peregrina "A Late-Stage Synthetic Approach to Lanthionine-Containing Peptides via S-Alkylation on Cyclic Sulfamidates Promoted by Molecular Sieves." *Org Lett.* (2018) 20(23):7478-7482.
 24. A Gijsbers, DC Montagut, A Méndez-Godoy, D Altamura, M Saviano, D Siliqi, N Sánchez-Puig. "Interaction of the GTPase Elongation Factor Like-1 with the Shwachman-Diamond Syndrome Protein and Its Missense Mutations". *Int J Mol Sci.* (2018) 19(12). pii: E4012.
 25. S Di Gaetano, E Bedini, A Landolfi, E Pedone, L Pirone, M Saviano, S Traboni, D Capasso, A Iadonisi "Synthesis of diglycosylated (di)sulfides and comparative evaluation of their antiproliferative effect against tumor cell lines: A focus on the nature of sugar-recognizing mediators involved" *Carbohydr Res.* (2019) Jul 2;482:107740.
 26. D Comegna, A Del Gatto, M Saviano, L Zaccaro "On-Bead Peptoid Dimerization Induced by Incorporation of Glycosylated Bridging Units in Submonomer Solid-Phase Approach to Glycopeptoids" *Org Lett.* (2019) 21(12):4454-4458.
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PROCESSING consent to process and use my data provided in this CV

Napoli 24 February 2022

Dr. Michele Saviano