

SILVIA CHICHIARELLI
Curriculum Vitae

Roma, February 2026

Part I – General Information

Nome e Cognome	Silvia Chichiarelli
E-mail	silvia.chichiarelli@uniroma1.it
Posizione Accademica	Associate Professor – Department of Biochemical Sciences ‘A. Rossi Fanelli’ - SAPIENZA University of Rome
Lingue Conosciute	Italiano, Englis (working knowledge), French (working knowledge)

Part II – Academic and Research Positions

II-A –Academic and Research positions

Inizio	Fine	Instituzione	Tipo di Incarico
2025	To date	Department of Biochemical Sciences “A. Rossi Fanelli” - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Associate Professor in Molecular Biology
2006	2025	Department of Biochemical Sciences “A. Rossi Fanelli” - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Assistant Professor – (Biochemistry) SSD: BIOS-07/A - (ex BIO/10)
2005	2006	Department of Biochemical Sciences “A. Rossi Fanelli” - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Post-Doc Research Fellowship in Biochemistry (Assegno di ricerca)- Research title “ <i>Study on nuclear redox proteins and proteins associated with them</i> ”
2004	2005	Department of Biochemical Sciences “A. Rossi Fanelli” - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Fellowship (Collaborazione Coordinata e Continuativa): Research Title: “ <i>Identification of the functions of the ERp57 protein, already identified as an oxidative stress response protein, and its associations with other macromolecules at the level of the cell nucleus.</i> ”

II B – Other Academic Positions

2011	2012	Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Appointed member of the Faculty Board
2013	To date	Master’s Degree in Industrial Pharmacy - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Appointed member of the Quality Assurance Management Group (CGAQ) in accordance with European standards and criteria set out in the ENQA Guidelines.
2017	2019	Master’s Degree in Industrial Pharmacy - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Coordinator of the Quality Assurance Unit (CGAQ) in accordance with European standards and criteria from the ENQA Guidelines

2016	2017	Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Appointed member of the Faculty Board
2020	To date	Department of Biochemical Sciences "A. Rossi Fanelli" - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Appointed member of the Departmental Teaching Committee
2019	2021	Department of Biochemical Sciences "A. Rossi Fanelli" - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Appointed member of the Committee for the Establishment of the new Master's Degree Course in Biochemistry (in English) affiliated with the Department of Biochemical Sciences 'A Rossi Fanelli'
2020	2023	Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Appointed member of the Faculty Board
2020	To date	Master's Degree in Industrial Pharmacy - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome (International Mobility)	Academic Coordinator for International Mobility (RAM) for the degree programme
2021	2023	Master's Degree in Biochemistry - Interfaculty - Faculty of Pharmacy and Medicine and Faculty of Mathematics, Physics and Natural Sciences - Department of Biochemical Sciences "A. Rossi Fanelli" – SAPIENZA University of Rome	Secretary of the Organising Committee for the new Master's Degree Course in Biochemistry (Academic Year 2021-2023) - Department of Biochemical Sciences 'A Rossi Fanelli'
2020	To date	Master's Degree in Biochemistry - Interfaculty - Faculty of Pharmacy and Medicine and Faculty of Mathematics, Physics and Natural Sciences - Department of Biochemical Sciences "A. Rossi Fanelli" – SAPIENZA University of Rome	Appointed member of the Quality Assurance Management Group (CGAQ) in accordance with European standards and criteria set out in the ENQA Guidelines
2022	To date	Faculty of Pharmacy and Medicine - SAPIENZA University of Rome (International Mobility)	Academic Coordinator for International Mobility (CAM) - Faculty of Pharmacy and Medicine - Pharmaceutical Area
2022	To date	Faculty of Pharmacy and Medicine - SAPIENZA University of Rome (International Mobility)	Academic Coordinator for International Mobility (CAM) - Faculty of Pharmacy and Medicine - Pharmaceutical Area for <u>CIVIS</u> network
2022	To date	Faculty of Pharmacy and Medicine - SAPIENZA University of Rome (International Mobility)	Appointed member of the Coordination Committee for the strengthening of international mobility at the University, as CAM for the Faculty of Pharmacy and Medicine

2022	To date	Dipartimento di Scienze Biochimiche "A. Rossi Fanelli", Facoltà di Farmacia e Medicina, SAPIENZA Università di Roma	Tutor and Guidance Advisor (from the 2022-23 academic year) for the two Master's Degree Courses: LM-Pharmaceutical Biotechnology and LM-Biochemistry, belonging to the Department
2023	To date	Bachelor's degree in Molecular Biology, Medicinal Chemistry and Computer Science for Pharmaceutical Applications - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome (International Mobility)	Academic Coordinator for International Mobility (RAM) for the degree programme

Part III –Education and Training

III A- Education

2001	Department of Biochemical Sciences 'A. Rossi Fanelli' - SAPIENZA University of Rome and University of Tor Vergata	PhD in Biochemistry - Research Doctorate in Biochemistry [XII Cycle] - Thesis " <i>Interaction between DNA and proteins of the nuclear matrix</i> "
1995	Faculty of Mathematics, Physics and Natural Sciences, SAPIENZA University of Rome	Five-year degree in Biological Sciences, specialising in Molecular Biology , grade: 110/110 cum laude; Thesis: ' <i>The use of antisense oligonucleotides to block the expression of the LMP1 gene of the Epstein Barr Virus</i> ' (degree course: 1990-1995)

III B- Fellowship

2002-2003	Department of Biochemical Sciences 'A. Rossi Fanelli' - SAPIENZA University of Rome	Post-Doc Fellowship in Biochemistry - (V Ciclo, bando D.R. 08.06.2001) Research title: " <i>Interaction between DNA and proteins of the nuclear matrix</i> "
2001	Pasteur Institute – Fondazione Cenci-Bolognetti	Research Fellowship " <i>Study of Interaction between DNA and proteins</i> "
2000	Pasteur Institute – Fondazione Cenci-Bolognetti	Research Fellowship " <i>Interaction of DNA with nuclear matrix protein: cross-linking studies</i> "

II-C National Scientific Qualification

2024	Italian Ministry of Universities and Research	Associate Professor (05/E2) - BIOS-08/A Molecular Biology
1997	SAPIENZA University of Rome	Qualified as a Professional Biologist (Abilitazione all'esercizio della professione di Biologo)

III D-Courses

2022	British Council per SAPIENZA University of Rome	Participant of "Introduction to EMI (English as a Medium of Instruction)" From January to February 2022
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Part IV – Teaching activities

2007/08	2011/12	Master's Degree in Industrial Pharmacy - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Course of ENZIMOLOGY (8 ECTS) Lessons and exams
2011/12	2012/13	Master's Degree in Industrial Pharmacy - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Course of INDUSTRIAL BIOCHEMISTRY (8 ECTS) Lessons and exams
2013/14	To date	Master's Degree in Industrial Pharmacy - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Course of BIOCHEMICAL and BIOTECHNOLOGICAL APPLICATIONS (8 ECTS) Lessons and exams
2018/19	To date	Master's Degree in Industrial Pharmacy - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Co-Teaching of MOLECULAR BIOLOGY BIOLOGIA MOLECOLARE - (3 ECTS) Lessons and exams
2022/23	To date	Master's Degree in Biochemistry - Interfaculty - Faculty of Pharmacy and Medicine and Faculty of Mathematics, Physics and Natural Sciences – Dep. of Biochemical Sciences "A. Rossi Fanelli" – SAPIENZA University of Rome	Course of BIOCHEMICAL BIOTECHNOLOGIES II – (module PHARMACEUTICAL BIOTECHNOLOGIES – 3 ECTS) Lessons and exams
2023/24	To date	Master's Degree in Industrial Pharmacy - Faculty of Pharmacy and Medicine - SAPIENZA University of Rome	Course of INNOVATIVE AND BIOTECHNOLOGICAL DRUGS WITH ANTICANCER ACTIVITY (module BIOTECHNOLOGICAL DRUGS WITH ANTICANCER ACTIVITY - 3 ECTS) Lessons and exams

IV- Other teaching activities

- Supervisor of final-year students for experimental degree theses in Master's degree courses: Biochemistry (1 in 2024) and Pharmaceutical Chemistry and Technology (11 from 2019 to 2025)
- Member of the Teaching Committee (committee responsible for the organisation and harmonisation of the programmes and teaching activities of the degree course) of the Master's Degree Course in Pharmaceutical Chemistry and Technology - Faculty of Pharmacy and Medicine, SAPIENZA University of Rome (2013-2017)
- Tutor for all fourth-year students of the Master's Degree Course in Pharmaceutical Chemistry and Technology - Faculty of Pharmacy and Medicine, SAPIENZA University of Rome (from 2017 to present)

Part V - Memberships and Editorial Board

V-A - Membership

2003 to date	Member of the Italian Society of Biochemistry and Molecular Biology (SIB) [SIB is a Member of the following International Associations: FEBS: Federation of European Biochemical Societies; IUBMB: International Union of Biochemistry and Molecular Biology]
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V-B – Editorial Board

Editor

2023 to date	Associate Editor for Frontiers in Cellular Biochemistry Area Loop Profile: https://loop.frontiersin.org/people/592647/overview Frontiers in Molecular Biosciences - https://www.frontiersin.org/journals/molecular-biosciences/editors
Dal 2023 to date	Associate Editor for Frontiers in Cellular Biochemistry Area Loop Profile: https://loop.frontiersin.org/people/592647/overview Frontiers in Cell and Developmental Biology https://www.frontiersin.org/journals/cell-and-developmental-biology/editors
2021 to date	Reviewer board of the International Journal of Molecular Sciences (MDPI) https://www.mdpi.com/journal/ijms/submission_reviewers

Part VII – Summary of research activity

Keywords

Breve descrizione

Trasduzione del segnale	The undersigned has conducted research in various areas of cellular biochemistry and molecular biology. The research began with the study of antisense oligonucleotides specific to a membrane protein of the Epstein-Barr virus to verify their effectiveness as a therapy for forms of cancer linked to the presence of the virus (especially in immunocompromised individuals).
ERp57 (PDIA3)	
STAT3	
Vitamin D	
Interazione proteina DNA-	More recently, the research focused on the study of signal transduction, protein-protein, ligand-protein and DNA-protein interactions using biochemical, molecular biology and cellular biochemistry methodologies. In particular, research focused on the study of the functions of the ERp57 (PDIA3) protein and its role in different cellular compartments as well as its extracellular localisation. The research explored: 1) the interaction of ERp57 (PDIA3) with different ligands (flavonoids, silibinin, punicalagin, pelargonidin, vitamin D3) in vitro and in vivo (cell cultures); 2) the interaction of ERp57 (PDIA3) with DNA in different cellular stresses; 3) the role and possible interaction of ERp57 (PDIA3) with the STAT3 protein. In this last area, research has investigated STAT3 signal transduction pathways and their post-translational modifications (PTMs) in cancerous and non-cancerous cells in relation to environmental stimuli (such as inflammation, oxidative stress and environmental pollutants).
Interazioni ligando proteina	

Part VIII – Publications and website

1997 -2026	Papers/Articles/ Review [international]	59	Scopus: https://www.scopus.com/authid/detail.uri?authorId=6603476682 Orcid: https://orcid.org/0000-0002-5682-0353
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Part XI– Publications (Scopus)

		Article
	2025	Gelerstein-Claro S, Espinoza-Jaña B, Chichiarelli S , Saso L, Rodrigo R. Targeting the NRF2 pathway to enhance lipid peroxidation: a novel therapeutic strategy in hepatocellular carcinoma. <i>Explor Med.</i> 2025;6:1001367. https://doi.org/10.37349/emed.2025.1001367
	2025	Temaj G, Saha S, Chichiarelli S , Telkoparan-Akillilar P, Nuhii N, Hadziselimovic R, Saso L. Polyploid giant cancer cells: Underlying Mechanisms, Signaling Pathways, and Therapeutic Strategies. <i>Crit Rev Oncol Hematol.</i> 2025 Jun 6:104802. https://doi.org/10.1016/j.critrevonc.2025.104802
	2025	Villa E, Saso L, Chichiarelli S , Rojas-Solé C, Pinilla-González V, Prieto JC, Gajardo AIJ, Aguayo R, Rodrigo R. Antioxidant Cardioprotection in Acute Myocardial Infarction: From Mechanisms to Therapeutic Strategies. <i>Front Biosci (Landmark Ed).</i> 2025 Aug 21;30(8):27678. doi: 10.31083/FBL27678.
	2025	Minacori M, Fiorini S, Perugini M, Iannetta A, Meschiari G, Chichiarelli S , Altieri F, Natali PG, Eufemi M. AhR and STAT3: A Dangerous Duo in Chemical Carcinogenesis. <i>Int J Mol Sci.</i> 2025; 26(6):2744. https://doi.org/10.3390/ijms26062744
	2025	Saha S, Temaj G, Telkoparan-Akillilar P, Chichiarelli S, Saso L. An overview of insights and updates on TTN mutations in cardiomyopathies. <i>Front Pharmacol.</i> 2025 Oct 20;16:1668544. doi: 10.3389/fphar.2025.1668544
	2025	Telkoparan-Akillilar P, Chichiarelli S , Tucci P, Saso L. Integration of MicroRNAs with nanomedicine: tumor targeting and therapeutic approaches. <i>Front Cell Dev Biol.</i> 2025 Apr 7;13:1569101. https://doi.org/10.3389/fcell.2025.1569101
	2024	Temaj G, Chichiarelli S , Saha S, Telkoparan-Akillilar P, Nuhii N, Hadziselimovic R, Saso L. Alternative Splicing: A Potential Therapeutic Target in Hematological Malignancies. <i>Hematol Rep.</i> 2024 Oct 29;16(4):682-697. https://doi.org/10.3390/hematolrep16040066
	2024	Letafati A, Taghiabadi Z, Zafarian N, Tajdini R, Mondeali M, Aboofazeli A, Chichiarelli S , Saso L, Jazayeri SM. Emerging paradigms: unmasking the role of oxidative stress in HPV-induced carcinogenesis. <i>Infect Agent Cancer.</i> 2024 Jul 2;19(1):30. https://doi.org/10.1186/s13027-024-00581-8
	2024	Temaj G, Chichiarelli S , Telkoparan-Akillilar P, Saha S, Nuhii N, Hadziselimovic R, Saso L. P53: A key player in diverse cellular processes including nuclear stress and ribosome biogenesis, highlighting potential therapeutic compounds. <i>Biochem Pharmacol.</i> 2024 Jun 1:116332. https://doi.org/10.1016/j.bcp.2024.116332 (Corresponding author)
	2024	Pinilla-González V, Rojas-Solé C, Gómez-Hevia F, González-Fernández T, Cereceda-Cornejo A, Chichiarelli S , Saso L, Rodrigo R. Tapping into Nature's Arsenal: Harnessing the Potential of Natural Antioxidants for Human Health and Disease Prevention. <i>Foods.</i> 2024; 13(13):1999. https://doi.org/10.3390/foods13131999
	2024	Temaj G, Chichiarelli S , Telkoparan-Akillilar P, Saha S, Nuhii N, Hadziselimovic R, Saso L. Advances in molecular function of UPF1 in Cancer. <i>Arch Biochem Biophys.</i> 2024, 13:109989. https://doi.org/10.1016/j.abb.2024.109989

2024	Rojas-Solé C, Torres-Herrera B, Gelerstein-Claro S, Medina-Pérez D, Gómez-Venegas H, Alzolay-Sepúlveda J, Chichiarelli S , Saso L, Rodrigo R. Cellular Basis of Adjuvant Role of n-3 Polyunsaturated Fatty Acids in Cancer Therapy: Molecular Insights and Therapeutic Potential against Human Melanoma. Applied Sciences . 2024; 14(11):4548. https://doi.org/10.3390/app14114548
2024	Fiorini S, Rubini E, Perugini M, Altieri F, Chichiarelli S , Meschiari G, Arrighetti G, Vijgen J, Natali PG, Minacori M, Eufemi M. STAT3 Pathways Contribute to β -HCH Interference with Anticancer Tyrosine Kinase Inhibitors. Int J Mol Sci . 2024; 25(11):6181. https://doi.org/10.3390/ijms25116181
2024	Briones-Valdivieso, C.; Briones, F.; Orellana-Urzúa, S.; Chichiarelli, S. ; Saso, L.; Rodrigo, R. Novel Multi-Antioxidant Approach for Ischemic Stroke Therapy Targeting the Role of Oxidative Stress. Biomedicines 2024, 12, 501. https://doi.org/10.3390/biomedicines12030501
2024	Pinilla-González V, Montecinos-Barrientos B, Martin-Kommer C, Chichiarelli S , Saso L, Rodrigo R. Exploring antioxidant strategies in the pathogenesis of ALS. Open Life Sci . 2024, 19(1):20220842. https://doi.org/10.1515/biol-2022-0842
2023	Temaj G, Chichiarelli S , Saha S, Telkoparan-Akillilar P, Nuhii N, Hadziselimovic R, Saso L. An intricate rewiring of cancer metabolism via alternative splicing. Biochem Pharmacol . 2023 Nov;217:115848. https://doi.org/10.1016/j.bcp.2023.115848 (Corresponding author)
2023	Orellana-Urzúa S, Briones-Valdivieso C, Chichiarelli S , Saso L, Rodrigo R. Potential Role of Natural Antioxidants in Countering Reperfusion Injury in Acute Myocardial Infarction and Ischemic Stroke Antioxidants (Basel). 2023 Sep 13;12(9):1760. https://doi.org/10.3390/antiox12091760
2023	Paglia G, Minacori M, Meschiari G, Fiorini S, Chichiarelli S , Eufemi M, Altieri F. Protein Disulfide Isomerase A3 (PDIA3): A Pharmacological Target in Glioblastoma? Int J Mol Sci . 2023 Aug 26;24(17):13279. https://doi.org/10.3390/ijms241713279
2023	Temaj G, Telkoparan-Akillilar P, Nuhii N, Chichiarelli S , Saha S, Saso L. Recoding of Nonsense Mutation as a Pharmacological Strategy. Biomedicines . 2023 Feb 22;11(3):659. https://doi.org/10.3390/biomedicines11030659 . (Corresponding author)
2023	Méndez-Valdés G, Pérez-Carreño V, Bragato MC, Hundahl M, Chichiarelli S , Saso L, Rodrigo R. Cardioprotective Mechanisms against Reperfusion Injury in Acute Myocardial Infarction: Targeting Angiotensin II Receptors. Biomedicines . 2022 Dec 22;11(1):17. https://doi.org/10.3390/biomedicines11010017
2022	Abelli, J.; Méndez-Valdés, G.; Gómez-Hevia, F.; Bragato, M.C.; Chichiarelli, S. ; Saso, L.; Rodrigo, R. Potential Antioxidant Multitherapy against Complications Occurring in Sepsis. Biomedicines 2022, 10, 3088. https://doi.org/10.3390/biomedicines10123088
2022	Chichiarelli S , Altieri F, Paglia G, Rubini E, Minacori M, Eufemi M. ERp57/PDIA3: new insight. Cell Mol Biol Lett . 2022 Feb 2;27(1):12. https://doi.org/10.1186/s11658-022-00315-x (invited) (Corresponding author)
2022	Temaj G., Chichiarelli S , Eufemi M, Altieri F, Hadziselimovic R, Farooqi AA, Yaylim I and Saso L, Ribosome-Directed Therapies in Cancer Biomedicines 2022, 10, 2088. https://doi.org/10.3390/biomedicines10092088 (co-Corresponding author)

2022	González-Montero J, Chichiarelli S , Eufemi M, Altieri F, Saso L, Rodrigo R. Ascorbate as a Bioactive Compound in Cancer Therapy: The Old Classic Strikes Back. Molecules . 2022 Jun 14;27(12):3818. https://doi.org/10.3390/molecules27123818
2021	Rubini E, Minacori M, Paglia G, Macone A, Chichiarelli S , Altieri F, Eufemi M. Tomato and Olive Bioactive Compounds: A Natural Shield against the Cellular Effects Induced by β -Hexachlorocyclohexane-Activated Signaling Pathways. Molecules . 2021 Nov 25;26(23):7135. https://doi.org/10.3390/molecules26237135
2021	Rubini E, Minacori M, Paglia G, Altieri F, Chichiarelli S , Romaniello D, Eufemi M. β -Hexachlorocyclohexane Drives Carcinogenesis in the Human Normal Bronchial Epithelium Cell Line BEAS-2B. Int J Mol Sci . 2021 May 29;22(11):5834. https://doi.org/10.3390/ijms22115834 .
2019	Marrocco I, Altieri F, Rubini E, Paglia G, Chichiarelli S , Giamogante F, Macone A, Perugia G, Magliocca FM, Gurtner A, Maras B, Ragno R, Patsilinos A, Manganaro R, Eufemi M. Shmt2: A Stat3 Signaling New Player in Prostate Cancer Energy Metabolism. Cells . 2019 Sep 6;8(9). pii: E1048. https://doi.org/10.3390/cells8091048
2019	Cocchiola R, Rubini E, Altieri F, Chichiarelli S , Paglia G, Romaniello D, Carissimi S, Giorgi A, Giamogante F, Macone A, Perugia G, Gurtner A, Eufemi M. STAT3 Post-Translational Modifications Drive Cellular Signaling Pathways in Prostate Cancer Cells. Int J Mol Sci . 2019 Apr 12;20(8). pii: E1815. https://doi.org/10.3390/ijms20081815
2019	Miele AE, Badaoui S, Maugliani L, Salza R, Boumis G, Chichiarelli S , Duclos B, Ricard-Blum S. A comparative analysis of secreted protein disulfide isomerases from the tropical co-endemic parasites <i>Schistosoma mansoni</i> and <i>Leishmania major</i> . Sci Rep . 2019 Jul 2;9(1):9568. https://doi.org/10.1038/s41598-019-45709-8
2019	Altieri F, Cairone F, Giamogante F, Carradori S, Locatelli M, Chichiarelli S , Cesa S. Influence of Ellagitannins Extracted by Pomegranate Fruit on Disulfide isomerase PDIA3 Activity. Nutrients . 2019 Jan 17;11(1). pii: E186. https://doi.org/10.3390/nu11010186
2018	Rubini E, Altieri F, Chichiarelli S , Giamogante F, Carissimi S, Paglia G, Macone A, Eufemi M. STAT3, a Hub Protein of Cellular Signaling Pathways, Is Triggered by β -Hexachlorocyclohexane. Int J Mol Sci . 2018 Jul 20;19(7). pii: E2108. https://doi.org/10.3390/ijms19072108 .
2018	Giamogante F, Marrocco I, Cervoni L, Eufemi M, Chichiarelli S , Altieri F. Punicalagin, an active pomegranate component, is a new inhibitor of PDIA3 reductase activity. Biochimie . 2018 Feb 6. pii: S0300-9084(18)30034-8. https://doi.org/10.1016/j.biochi.2018.01.008
2017	Cocchiola R, Romaniello D, Grillo C, Altieri F, Liberti M, Magliocca FM, Chichiarelli S , Marrocco I, Borgoni G, Perugia G, Eufemi M. Analysis of STAT3 post-translational modifications (PTMs) in human prostate cancer with different Gleason Score. Oncotarget . 2017 Jun 27;8(26):42560-42570. https://doi.org/10.18632/oncotarget.17245 .
2016	Gaucci E, Raimondo D, Grillo C, Cervoni L, Altieri F, Nittari G, Eufemi M, Chichiarelli S . Analysis of the interaction of calcitriol with the disulfide isomerase ERp57, Sci Rep . 2016 Nov 29;6:37957. https://doi.org/10.1038/srep37957 (Corresponding author)

2016	Giamogante F, Marrocco I, Romaniello D, Eufemi M, Chichiarelli S , Altieri F. Comparative Analysis of the Interaction between Different Flavonoids and PDIA3 Oxidative Medicine and Cellular Longevity - Volume 2016 (2016), Article ID 4518281, 12 pages, http://dx.doi.org/10.1155/2016/4518281
2014	Cocchiola R, Grillo C, Altieri F, Chichiarelli S , Turano C, Eufemi M. Upregulation of TPX2 by STAT3: Identification of a Novel STAT3 Binding Site. PLoS One . 2014; 9(11):e113096, https://doi.org/10.1371/journal.pone.0113096 . eCollection 2014
2014	Grillo C, Chichiarelli S , Gaucci E, Altieri F, Turano C, Cervoni L, The Binding of Silibinin to ERp57 Chemico-Biological Interactions 2014;213:37-43. https://doi.org/10.1016/j.cbi.2014.02.005
2014	Aureli C, Cassano T, Masci A, Francioso A, Martire S, Cocciolo A, Chichiarelli S , Romano A, Gaetani S, Mancini P, Fontana M, d'Erme M, Mosca L. 5-S-cysteinyl dopamine neurotoxicity: Influence on the expression of α -synuclein and ERp57 in cellular and animal models of Parkinson's disease. J Neurosci Res 2014; 92(3):347-58. https://doi.org/10.1002/jnr.23318
2013	Gaucchi E, Altieri F, Turano C, Chichiarelli S The protein ERp57 contributes to EGF receptor signaling and internalization in MDA-MB-468 breast cancer cells. J Cell Biochem . 2013 Nov;114(11):2461-70. https://doi.org/10.1002/jcb.24590 (Corresponding author)
2013	Aureli C, Gaucci E, Arcangeli V, Grillo C, Eufemi M, Chichiarelli S . ERp57/PDIA3 binds specific DNA fragments in a melanoma cell line. Gene . 2013 Jul 25;524(2):390-5. https://doi.org/10.1016/j.gene.2013.04.004 (Corresponding author)
2012	D'Arrigo G, Di Meo C, Gaucci E, Chichiarelli S , Coviello T, Capitani D, Alhaique F and Matricardi P. Self-assembled gellan-based nanohydrogels as a tool for prednisolone delivery. Soft Matter . 2012 ;8:11557-11564.
2012	Frasconi M, Chichiarelli S , Gaucci E, Mazzei F, Grillo C, Chinazzi A, Altieri F. Interaction of ERp57 with calreticulin: analysis of complex formation and effects of vancomycin. Biophysical Chemistry 2012 Jan;160(1):46-53. https://doi.org/10.1016/j.bpc.2011.09.003 (Corresponding author)
2011	Turano C, Gaucci E, Grillo C, Chichiarelli S . ERp57/GRP58: A protein with multiple functions. Cell Mol Biol Lett . 2011 Dec;16(4):539-63. https://doi.org/10.2478/s11658-011-0022-z
2010	Chichiarelli S , Gaucci E, Ferraro A, Grillo C, Altieri F, Cocchiola R, Arcangeli V, Turano C, Eufemi M. Role of ERp57 in the signaling and transcriptional activity of STAT3 in a melanoma cell line. Arch Biochem Biophys . 2010;494(2):178-83. https://doi.org/10.1016/j.abb.2009.12.004
2009	Egistelli L, Chichiarelli S, Gaucci E, Eufemi M, Schininà ME, Giorgi A, Lasco I, Turano C, Giartosio A, Cervoni L. IFI16 and NM23 bind to a common DNA fragment both in the P53 and the cMYC gene promoters. J Cell Biochem . 2009;106(4):666-72. https://doi.org/10.1002/jcb.22053
2008	Altieri F, Grillo C, Maceroni M, Chichiarelli S. DNA damage and repair: from molecular mechanisms to health implications. Antioxid Redox Signal . 2008;10(5):891-937. https://doi.org/10.1089/ars.2007.1830
2008	Gaucchi E, Chichiarelli S , Grillo C, Vecchio ED, Eufemi M, Turano C. The binding of antibiotics to ERp57/GRP58. J Antibiot (Tokyo) . 2008;61(6):400-2. https://doi.org/10.1038/ja.2008.56
2007	Chichiarelli S , Ferraro A, Altieri F, Eufemi M, Coppari S, Grillo C, Arcangeli V, Turano C. The stress protein ERp57/GRP58 binds specific DNA sequences in HeLa cells. J Cell Physiol . 2007;210(2):343-51. https://doi.org/10.1002/jcp.20824

2004	Perrini B, Piacentini L, Fanti L, Altieri F, Chichiarelli S , Berloco M, Turano C, Ferraro A, Pimpinelli S. HP1 controls telomere capping, telomere elongation, and telomere silencing by two different mechanisms in <i>Drosophila</i> . Mol Cell . 2004;15(3):467-76. https://doi.org/10.1016/j.molcel.2004.06.036
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XI-A Chapters

Gaucci E, Altieri F, Chichiarelli S Unexpected Plasma Membrane Location for a Disulfide Isomerase Protein. CELL BIOLOGY RESEARCH PROGRESS – Chapter 2, pg 25-42 - *Cell Membrane: Molecular Structure, Physicochemical Properties and Interactions with the Environment*, ISBN: 978-1-62808-456-6. Nova Science Publishers, Inc. (2013).

Rome, February 2026

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