

Allegato B

GERARDO SALERNO

Curriculum Vitae

Place **ROME**

Date **20.09.2024**

Part I – General Information

Full Name	GERARDO SALERNO
Date of Birth	
Place of Birth	
Citizenship	
Permanent Address	
Mobile Phone Number	
E-mail	
Spoken Languages	ITALIAN, ENGLISH

Part II – Education

Type	Year	Institution	Notes
University graduation	2006	Sapienza University of Rome	<i>Bachelor's degree</i> in Diagnostic Technical Sciences. laboratory technical sciences, pathology, physiopathology and molecular biology
University graduation	2015	Sapienza University of Rome	<i>Master's degree</i> in Diagnostic Technical Sciences. Biomedical Research, Process Analysis, Healthcare Law and Management
University graduation	2017-2021	Sapienza University of Rome	<i>PhD</i> . Sensorineural Plasticity. The application of biomarkers for diagnosis, patient stratification, monitoring and disease progression in neuroscientific sectors (Neurology, Psychiatry, Neuroradiology, Pediatrics and Neuropediatrics ecc.)
Post-graduate studies	2023	Unicusano University	<i>First level Master's degree</i> : Coordination management in healthcare professions
Pre-doctorate training	2015-2017	Sapienza University of Rome	Data Analysis Process. Evaluation of biochemical and clinical molecular biology techniques.

Part III – Appointments

IIIA – Academic Appointments

Start	End	Institution	Position
2021	2024	Sapienza University of Rome	RTD-A (NESMOS Department)

IIIB – Other Appointments

Start	End	Institution	Position
2012	2019	Sapienza University of Rome	Various continuous coordinated collaborator (Co.Co.Co) contract (Clinical and Molecular Medicine Department). Projects regarding clinical biochemistry, clinical molecular biology, development of biochemical techniques and data analysis
2014	2020	Sant'Andrea Hospital of Rome	Laboratory Technician. Assistance activity at U.O.C Laboratory Analysis and Clinical Biochemistry

Part IV – Teaching experience

IVA – Academic Teaching

Year	Institution	Lecture/Course
2016-2017	Sapienza University of Rome	SSD:SECS-S/02;CFU:2. Statistics for Research. Degree course in Biomedical Laboratory Techniques. Second Year. Clinical and Molecular Medicine Department
2018-2019	Sapienza University of Rome	SSD: INF/01; CFU: 2. Informatics. Degree course in Biomedical Laboratory Techniques. Second Year. Clinical and Molecular Medicine Department
2018-2019	Sapienza University of Rome	SSD: INF/01; CFU: 2. Informatics. Degree course in Biomedical Laboratory Techniques. First Year. Clinical and Molecular Medicine Department

2022-2023	Sapienza University of Rome	SSD: BIO/12; CFU: 1. Clinical Biochemistry. Degree course in nursing sciences. First Year. Clinical and Molecular Medicine Department
2022-2023	Sapienza University of Rome	SSD: MED/46; CFU: 1. Clinical Biochemistry Laboratory. Degree course in Biomedical Laboratory Techniques. First Year. Clinical and Molecular Medicine Department
2022-2023	Sapienza University of Rome	Thesis supervisor. Degree course in Biomedical Laboratory Techniques. Cod. 30020. Title: "Oxidative stress measurement and serum biomarkers identification in patients suffering from carotid stenosis and peripheral obliterating arterial disease" Clinical and Molecular Medicine Department
2022-2023	Sapienza University of Rome	Thesis supervisor. Degree course in Biomedical Laboratory Techniques. Cod. 30020. Title: "Bence Jones quantitative determination proteinuria: comparison of methods" Clinical and Molecular Medicine Department
2021-2022	Sapienza University of Rome	Thesis correlator. Degree course in Biomedical Laboratory Techniques. Cod. 30020. Title: "Evaluation of the biochemical structure and correlation with imaging techniques in patients with systemic sclerosis". Clinical and Molecular Medicine Department
2021-2022	Sapienza University of Rome	Thesis supervisor. Degree course in Biomedical Laboratory Techniques. Cod. 30020. Title: "Covid-19: new laboratory biomarkers in the diagnosis, prognosis and stratification of unvaccinated patients enrolled during the first pandemic phase". Clinical and Molecular Medicine Department
2021-2022	Sapienza University of Rome	Thesis correlator. Master's degree in Diagnostic Technical Sciences. Cod. 30032 Title: "Implementation of automated diagnostic tests for the evaluation of oxidative stress: organizational strategies and economic evaluation". Clinical and Molecular Medicine Department
2022-2023	Sapienza University of Rome	Thesis supervisor. Specialization in Clinical Pathology and Clinical Biochemistry. Cod. 29359 Title: "Assessment of the structure oxidative and inflammatory in patients with autoimmune diseases"

2022-2023	Sapienza University of Rome	Thesis supervisor. Specialization in Clinical Pathology and Clinical Biochemistry. Cod. 29359 Title: "Validation paths of new methods for measuring thyroglobulin (Tg)"
2022-2023	Sapienza University of Rome	Thesis correlator. Specialization in Clinical Pathology and Clinical Biochemistry. Cod. 29359. Title: "Identification of new biomarkers of mitochondrial dysfunction in Carotid atherosclerotic disease"

IVB – Other Teaching

2012	Sant'Andrea Hospital of Rome	Speaker. ECM title: "Program management guidelines quality control in the biomedical laboratory" From 20-01-2012 to 23-01-2012
2013	Sant'Andrea Hospital of Rome	Speaker. ECM title: "New biomarkers in medicine laboratory". ECM n°411-52168 Ed1 RMA/12M001. From 24-01-2013 to 31-01-2013.
2020	Sapienza University of Rome	Speaker. Seminar title: "The role of blood gas in respiratory failure". Oral report title: "Blood gas analysis, principles and management of analyzers". 27-01-2020. School of Specialization in Clinical Pathology and Clinical Biochemistry. Cod. 29359
2021	Sapienza University of Rome	Speaker. Scientific event title: "Evolution of the Clinical Laboratory in the Covid-19 pandemic Response strategies emergency and resilience plan". 17-12-2021
2018-2024	Sapienza University of Rome	Teacher. Biochemistry and clinical biochemistry lessons/exercises for students of the School of Specialization in Clinical Pathology and Clinical Biochemistry. Cod. 29359
2007-2024	Sapienza University of Rome	Teaching tutor. Laboratory exercises and lessons for biochemistry clinic. Degree course in Biomedical Laboratory Techniques. Cod. 30020

Part V - Society memberships, Awards and Honors

Year	Title
2011	Achievement of the GIC Study Award 25th Edition 2011 - Cytometry in unpublished original works. Title "Role of flow cytometry in the diagnosis and management of non-Hodgkin lymphoma of lymphoblastic T-cell type: a case report". From 5 to 8 October Salerno

Part VI - Funding Information [grants as PI-principal investigator or I-investigator]

Year	Title	Program	Grant value
2022	Role of kynurenines and oxidative stress biomarkers in the monitoring of patients with Systemic sclerosis and pulmonary hypertension	Research Projects (Small, Medium) - Small Projects. Sapienza University of Rome. Protocol number: RP12218167EB5BCE.	

Part VII – Research Activities

Keywords	Brief Description
biomarkers	The research activity is focused on the study, biochemical and molecular characterization of biomarkers circulating in biological matrices, with the aim of diagnosing, predicting, stratifying, monitoring pathologies, pharmacological and molecular therapies. A new strategy in the use of biomarkers is the application and implementation of neural networks to improve the performances obtained with classic statistical analyzes
bioinformatics	
oxidative stress	
cytokines	
molecular damage mechanisms	
neural networks	

Part VIII – Summary of Scientific Achievements

a) Web of Science database calculation

Product type	Number	Data Base	Start	End
Papers [international]	78	Web of Science	2008	2024

Total Impact factor	263.22
Average Impact factor for Product	3.37
Total Citations	1260
Average Citations per Product	16.15
Hirsch (H) index	21
Normalized H index*	1.3125

*H index divided by the academic seniority.

b) Scopus database calculation

Product type	Number	Data Base	Start	End
Papers [international]	78	Scopus	2008	2024

Citescore Scopus (Total Impact factor)	399.7
Average Citescore Scopus (Total Impact factor) per Product	5.12
Total Citations	1386
Average Citations per Product	17.76
Hirsch (H) index	21
Normalized H index*	1.3125

*H index divided by the academic seniority.

Part IX– Selected Publications

List of the publications selected for the evaluation. For each publication report title, authors, reference data, journal IF (if applicable), citations, press/media release (if any).

Database: Web of Science

- 1) The Impact of Non-Andrological Medications on Semen Characteristics, Oxidative Stress and Inflammatory Parameters. **Salerno G**, Borro M, Visco V, Olana S, Gargano F, Raffa S, Zamponi V, Mancini C, Faggiano A, Simmaco M, Mazzilli R. Medicina (Kaunas). 2023 May 8;59(5):903. doi: 10.3390/medicina59050903. PMID: 37241135; PMCID: PMC10222916. Impact Factor 2.4; 0 Citations 2023; 0 Total Citations
- 2) ALDOC- and ENO2- driven glucose metabolism sustains 3D tumor spheroids growth regardless of nutrient environmental conditions: a multi-omics analysis. De Vitis C, Battaglia AM, Pallocca M, Santamaria G, Mimmi MC, Sacco A, De Nicola F, Gaspari M, Salvati V, Ascenzi F, Bruschini S, Esposito A, Ricci G, Sperandio E, Massacci A, Prestagiacomo LE, Vecchione A, Ricci A, Sciacchitano S, **Salerno G**, French D, Aversa I, Cereda C, Fanciulli M, Chiaradonna F, Solito E, Cuda G, Costanzo F, Ciliberto G, Mancini R, Biamonte F. J Exp Clin Cancer Res. 2023 Mar 22;42(1):69. doi: 10.1186/s13046-023-02641-0. PMID: 36945054; PMCID: PMC10031988. Impact Factor 11.4; 4 Citations 2023; 12 Total Citations
- 3) Opinion paper on the systematic application of integrated bioinformatic tools to actuate routine precision medicine in poly-treated patients. Borro M, **Salerno G**, Gentile G, Simmaco M. Clin Chem Lab Med. 2023 Jan 19;61(4):662-665. doi: 10.1515/cclm-2022-1293. PMID: 36656995. Impact Factor 3.8; 2 Citations 2023; 2 Total Citations

- 4) Predicting Dihydropyrimidine Dehydrogenase Deficiency and Related 5-Fluorouracil Toxicity: Opportunities and Challenges of DPYD Exon Sequencing and the Role of Phenotyping Assays. De Luca O, **Salerno G**, De Bernardini D, Torre MS, Simmaco M, Lionetto L, Gentile G, Borro M. *Int J Mol Sci.* 2022 Nov 11;23(22):13923. doi: 10.3390/ijms232213923. PMID: 36430399; PMCID: PMC9694733. Impact Factor 5.6; 0 Citations 2022; 9 Total Citations
- 5) Opposite Effect of Thyroid Hormones on Oxidative Stress and on Mitochondrial Respiration in COVID-19 Patients. De Vitis C, Capalbo C, Torsello A, Napoli C, Salvati V, Loffredo C, Blandino G, Piaggio G, Auciello FR, Pelliccia F, **Salerno G**, Simmaco M, Di Magno L, Canettieri G, Coluzzi F, Mancini R, Rocco M, Sciacchitano S. *Antioxidants (Basel).* 2022 Oct 8;11(10):1998. doi: 10.3390/antiox11101998. PMID: 36290721; PMCID: PMC9598114. Impact Factor 7; 0 Citations 2022; 6 Total Citations
- 6) 4BNT162b2 mRNA COVID-19 vaccine and semen: What do we know? Olana S, Mazzilli R, **Salerno G**, Zamponi V, Tarsitano MG, Simmaco M, Paoli D, Faggiano A. *Andrology.* 2022 Sep;10(6):1023-1029. doi: 10.1111/andr.13199. Epub 2022 Jun 8. PMID: 35647664; PMCID: PMC9348225. Impact Factor 4.6; 7 Citations 2022; 22 Total Citations
- 7) Age-Related Dynamics of Serum Anti-Spike IgG Ab After the Third Dose of BNT162b2 Vaccine in a Naive Health Care Workers Population. **Salerno G**, Gentile G, De Luca O, Costanzi G, Cirelli G, Di Simone Di Giuseppe B, Marcellini L, Anibaldi P, Marcolongo A, Simmaco M, Borro M. *Viral Immunol.* 2022 Jun;35(5):386-389. doi: 10.1089/vim.2022.0026. Epub 2022 May 31. PMID: 35648037. Impact Factor 2.2; 0 Citations 2022; 2 Total Citations
- 8) SARS-CoV-2 Transmission Control Measures in the Emergency Department: The Role of Rapid Antigenic Testing in Asymptomatic Subjects. *Healthcare (Basel).* Borro M, **Salerno G**, Montori A, Petrucca A, Anibaldi P, Marcolongo A, Bonfini R, Simmaco M, Santino I. 2022 Apr 23;10(5):790. doi: 10.3390/healthcare10050790. PMID: 35627926; PMCID: PMC9140606. Impact Factor 2.8; 1 Citation 2022; 2 Total Citations
- 9) Gene signature and immune cell profiling by high-dimensional, single-cell analysis in COVID-19 patients, presenting Low T3 syndrome and coexistent hematological malignancies. Sciacchitano S, De Vitis C, D'Ascanio M, Giovagnoli S, De Dominicis C, Laghi A, Anibaldi P, Petrucca A, **Salerno G**, Santino I, Amodeo R, Simmaco M, Napoli C, Tafuri A, Di Napoli A, Sacconi A, Salvati V, Ciliberto G, Fanciulli M, Piaggio G, de Latouliere L, Ricci A, Mancini R. *J Transl Med.* 2021 Apr 1;19(1):139. doi: 10.1186/s12967-021-02805-6. PMID: 33794925; PMCID: PMC8016508. Impact Factor 8.44; 4 Citations 2021; 18 Total Citations

- 10) Increased kynurenine-to-tryptophan ratio in the serum of patients infected with SARS-CoV2: An observational cohort study. Lionetto L, Ulivieri M, Capi M, De Bernardini D, Fazio F, Petrucca A, Pomes LM, De Luca O, Gentile G, Casolla B, Curto M, **Salerno G**, Schillizzi S, Torre MS, Santino I, Rocco M, Marchetti P, Aceti A, Ricci A, Bonfini R, Nicoletti F, Simmaco M, Borro M. *Biochim Biophys Acta Mol Basis Dis.* 2021 Mar 1;1867(3):166042. doi: 10.1016/j.bbadis.2020.166042. Epub 2020 Dec 16. PMID: 33338598; PMCID: PMC7834629. Impact Factor 6.63; 4 Citations 2021; 44 Total Citations

- 11) Serum S100B protein as a marker of severity in Covid-19 patients. Aceti A, Margarucci LM, Scaramucci E, Orsini M, **Salerno G**, Di Sante G, Gianfranceschi G, Di Liddo R, Valeriani F, Ria F, Simmaco M, Parnigotto PP, Vitali M, Romano Spica V, Michetti F. *Sci Rep.* 2020 Oct 29;10(1):18665. doi: 10.1038/s41598-020-75618-0. PMID: 33122776; PMCID: PMC7596559. Impact Factor 4.38; 1 Citation 2020; 62 Total Citations

- 12) Impact of Mediterranean Diet on Disease Activity and Gut Microbiota Composition of Rheumatoid Arthritis Patients. *Microorganisms.* Picchianti Diamanti A, Panebianco C, **Salerno G**, Di Rosa R, Salemi S, Sorgi ML, Meneguzzi G, Mariani MB, Rai A, Iacono D, Sesti G, Pazienza V, Laganà B. 2020 Dec 14;8(12):1989. doi: 10.3390/microorganisms8121989. PMID: 33327432; PMCID: PMC7764882. Impact Factor 4.128; 0 Citations 2020; 34 Total Citations

Part X– Varius

Date 30/10/2023

ASN 2021/2023 - Certification: achievement of the Qualification National Scientific Institute as Second Level University Professor- Sector Competition 05/E3 - CLINICAL BIOCHEMISTRY AND CLINICAL MOLECULAR BIOLOGY

Place and Date

Rome 20.09.2024