

ALESSANDRA SCANO

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Department of Surgical Sciences

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AREAS OF EXPERTISE

Molecular Biology

Microbiology/Antimicrobials

Public Health

Genomics

Bacteriological-virological and mycological investigations

Laboratory Diagnostics in Oral Medicine

CURRENT POSITION

Since 2/12/2024 - Fixed-term tenure track researcher (RTT) afferent to the Scientific Disciplinary Sector MED 06/MEDS-26 - Technical sciences of laboratory medicine, sciences of the diagnostic, assistance and prevention health professions, sciences of the rehabilitation health professions, advanced medical and surgical technical sciences (profile SSD MEDS-26/A), Department of Surgical Sciences, University of Cagliari.

EDUCATION AND TRAINING

2019 - PhD degree in Innovation Sciences and Technologies at the University of Cagliari. Title of the Thesis '*Pseudomonas aeruginosa* related to nosocomial and animal infections. New approaches in diagnosis and therapy' (University of Cagliari);

29/04/2010 - Master in Food Hygiene and Safety (2nd Level) - University of Cagliari;

24/10/2005 - Degree in Biological Sciences.

RESEARCH AND WORK FOCUS:

New molecular biology methods applied to oral diseases, such as: evaluation of microbiome profiles, oral cancer genetics, evaluation of miRNAs circulating in saliva, by NGS techniques Innovative techniques for in vitro assay (bacteria and cell cultures) of devices or prophylactic agents useful in the field of oral medicine (synthetic or natural antimicrobials, antihumoral agents).

Design of bioreactors or culturing systems for oral microbiota.

Investigation techniques for degenerative and mood diseases associated with the oral microbiota.

PARTICIPATION ON JOURNAL EDITORIAL BOARDS

Associate Editor of The Journal of Public Health Research, peer-reviewed journal in the field of public health science-SJR 2021.

RESEARCH EXPERIENCE

Since 2022 - today - Co-Responsible and Participating in the activities of the PRIN project 'Noble metal complexes with heterocyclic nitrogen ligands: application as antimicrobials'. In collaboration with the Department of Chemistry of the University of Sassari and the Department of Surgical Sciences of the University of Cagliari.

2023 - Scientific Responsible Project: 'Oral microbiome: longitudinal study in the ancient and recent population of the Ogliastrina and Barbagia di Seulo communities'. Research agreement with the 'Fondazione per la Tutela dell'identità Ogliastrina' and the 'Barbagia di Seulo and the ITS Blue Zone Foundation'. In collaboration with the Department of Surgical Sciences.

2023 - Participation in the activities of the Project: The impact of social participation on the quality of aging, Financed by the Fondazione di Sardegna (Annual call for proposals 'Public Health Preventive and Rehabilitative Medicine' 2023. In collaboration with the Department of Medical Sciences and Public Health, University of Cagliari.

From 2022 to 2023 - Participation in the activities of the International Project: A sociobiological hypothesis in the genesis of bipolar disorder and implications in social inclusion and rehabilitation support. In collaboration with the Department of Public Health, University of Cagliari

2022 - Participation in the activities of the Project: Monitoring of active ageing in health: Active aging, funded by Sardegna Ricerche, Sardinian Agency for Research and Technological Development, iFAIR 2020, Findable, Accessible, Interoperable & Reusable calls and Regional Registry for Biomedical Research. Lead partner: Centre for Consultation Psychiatry and Psychosomatics, AOU of Cagliari.

From 2021 to 2023 - Co-responsible for and taking part in the activities of the project 'Detection of a genetic tool to identify the bipolar spectrum in an elderly population displaying adaptive hyperactivity both from a clinical point of view and by means of a questionnaire'. The project was carried out in collaboration with the Department of Public Health at the University of Cagliari.

From 2021 to 2023 - Scientific collaboration on the evaluation of the antibacterial activity of metal-based complexes on human pathogens with the international research group of the Department of Chemical and Geological Sciences, Department of Chemistry and Pharmacy - University of Cagliari.

From 2021 to 2023 - Scientific collaboration with the international research group of General Pathology belonging to the Department of Medical Sciences and Public Health, University of Cagliari.

From 2020 to 2022 - Participation in the international research group: The pandemic and the interaction of social and behavioral variables in the spread of infection. In collaboration with the Department of Medical Sciences and Public Health, University of Cagliari.

2021 - Participation in the activities of the Project: Active Elderly in Health. Project funded by the Foundation of Sardinia (Two-year call for proposals 2018-2020). In collaboration with the Department of Medical Sciences and Public Health, University of Cagliari. Public Mental Health, Gosim, Austria; Federal University of Rio de Janeiro, Brazil.

From 2019 to 2021 - Participation in the activities of the project 'Rapid Monitoring Systems for the Quality and Hygienic-Sanitary suitability of IV Gamma products, for the identification and real-time management of criticalities along the production chain'. Project financed with funds POR FESR - Priority Axis I 'Scientific Research, Technological Development and Innovation. In collaboration with the Institute of Food Production Sciences, National Research Council (ISPA - CNR), University of Cagliari (UNICA).

2020 - Participation in the activities of the project co-funded by the European Union Erasmus+ Programme within the project 'MEDLENTISK, Partnership for an exchange of best practices on mastic tree fixed oil, an emblematic non-timber forest product in the world'. (2020-1-FR01KA204-079807). In collaboration with the University of Cagliari, Mediterranean Agronomic Institute of Chania (Greece), National Institute for Research in Rural Engineering, Water and Forestry (Tunisia), Technical University of Bursa (Turkey), Provence Model Forest Association (France)

2019 - Participation in the activities of the Project: Pseudomonas aeruginosa responsible for animal and nosocomial infections. In collaboration with the Istituto Zooprofilattico della Sardegna, S.C. Diagnostica Territoriale di Cagliari.

TEACHING FELLOW UNIVERSITY OF CAGLIARI

A.Y. 2020-2025 - Teaching in Biomedical Laboratory Diagnostics in the Course of Studies single-cycle master class of Dentistry and Dental Prosthetics, MED 50 (20h), Faculty of Medicine, University of Cagliari.

A.Y. 2023-2024 - Teaching in Molecular Techniques applied to infectious diseases in the Course of Study Biomedical Laboratory Techniques (qualifying for the health profession of biomedical laboratory technician), MED 46 (8h), Faculty of Medicine and Surgery, University of Cagliari.

A.Y. 2022-2024-Teaching in Laboratory Structure and Organization in the Course of Studies Biomedical Laboratory Techniques (qualifying to the health profession of biomedical laboratory technician), MED 46 (16h), Faculty of Medicine, University of Cagliari

A.Y. 2022-2024 - Teaching in Microscopic Techniques in the Course of Study Biomedical Laboratory Techniques (qualifying for the health profession of biomedical laboratory technician), MED 46 (16h), Faculty of Medicine and Surgery, University of Cagliari.

A.Y. 2020-2023 - Teaching in Food Hygiene in the course "Prevention Techniques in the Workplace" (qualifying for the health profession), MED 50 (32h), Faculty of Medicine and Surgery, University of Cagliari.

A.Y. 2021-2023 - Teaching in Advanced Methods of Occupational Medicine and Industrial Hygiene in the Course of Studies "Prevention Techniques in the Workplace" (qualifying for the health profession), MED 50 (8h), Faculty of Medicine, University of Cagliari.

A.Y. 2020-2021 - Teaching in the module Laboratory of Industrial Hygiene in the Course of Studies "Techniques of prevention in the workplace" (qualifying for the health profession), MED 50 (8h), Faculty of Medicine and Surgery, University of Cagliari.

PUBLICATIONS

1. **Alessandra Scano**, Germano Orrù, Goce Kalcev, Massimo Tusconi, Maura Spada, Laura Spada, Laura Atzori, Caterina Ferreli, Flavio Cabitza, Diego Primavera and Federica Sancassiani. Adaptive Hyperactivity and Biomarker Exploration: Insights from Elders in the Blue Zone of Sardinia. *J. Clin. Med.* 2024, 13(21), 6451; <https://doi.org/10.3390/jcm13216451>.
2. Zucca, A.; Canu, B.; Pilo, M.I.; Stoccoro, S.; Senzacqua, G.; Fais, S.; Pichiri, G.; **Scano, A.** Gold(III) Complexes with 2-(1-Ethylbenzyl)pyridine as Promising Antimicrobial and Antitumor Agents. *Molecules* **2025**, *30*, 1611. <https://doi.org/10.3390/molecules30071611>
3. Sancassiani, F.; Carta, M.G.; Primavera, D.; Tusconi, M.; Urban, A.; Atzori, L.; Ferreli, C.; Cantone, E.; Cuccu, G.V.; Kalcev, G.; Orrù, G.; Cabitza, F.; and **Scano, A.** The Breathomics Profile of Volatile Sulfur Compounds in the Bipolar Spectrum, Does It Represent a Potential Tool for Early Diagnosis? *J. Clin. Med.* **2025**, *14*, 2025. <https://doi.org/10.3390/jcm14062025>
4. **Scano, A.**; Fais, S.; Ciappina, G.; Genovese, M.; Granata, B.; Montopoli, M.; Consolo, P.; Carroccio, P.; Muscolino, P.; Ottaiano, A.; et al. Oxidative Stress by H₂O₂ as a Potential Inductor in the Switch from Commensal to Pathogen in Oncogenic Bacterium *Fusobacterium nucleatum*. *Antioxidants* **2025**, *14*, 323. <https://doi.org/10.3390/antiox14030323>
5. M.I., Pilo, Maria Itria, A., Zucca, Antonio, G., Vacca, Giuseppe, ... G., Orrù, Germano, **Scano, Alessandra**. Sandwich-type (η^6 -p-cymene)Ru(η^5 -thiophene) complexes: synthesis, spectroscopic and electrochemical characterization, and antimicrobial activity. *New journal of Chemistry*. Issue 11, 2025
6. Viscuso D, Storari M, Casu C, **Scano A**, Aru E, Orrù G, Garau V. Are dentists aware of post-traumatic trigeminal neuropathic pain? A web-based epidemiological survey. *J Oral Facial Pain Headache*. 2025 Mar;39(1):103-111. doi: 10.22514/jofph.2025.009. Epub 2025 Mar 12.

7. Matteo Murineddu, Antonio Zucca, Giacomo Senzacqua, Sergio Stoccoro, Massimo Carraro, Maria I. Pilo, Giuseppina Pichiri, Germano Orrù, **Alessandra Scano**. Platinum(II) Acetiminol Cyclometalated Complexes Derived from Room Temperature Ammonia Activation. *EurJIC* doi.org/10.1002/ejic.202400491
8. Primavera, D., Aviles Gonzalez, C.I., Romano, F., ...**Scano A.**, Orrù, G., Cossu, G. Does the Response to a Stressful Condition in Older Adults with Life Rhythm Dysregulations Provide Evidence of the Existence of the “Dysregulation of Mood, Energy, and Social Rhythms Syndrome”? *Healthcare* 2024, 12(1),87; <https://doi.org/10.3390/healthcare12010087>
9. Anouar BoualiI, Ylenia Spissu, Antonio Barberis, Angela Fadda, Emanuela Azara, Germano Orru, **Alessandra Scano**, Giuseppe PalmieriI, Guy D'hallewin, He'la El Ferchichi OuardaI (2024). Phytochemical evaluation and exploration of some biological activities of aqueous and ethanolic extracts of two species of the genus *Plantago* L.. *PLOS ONE*, vol. 19, p. 1-20, ISSN: 1932-6203, doi: 10.1371/journal.pone.0298518
10. Giovanni Carta, M., Kalcev, G., **Scano, A.**, ...Nardi, A.E., Primavera, D. The impact of MDQ positivity on quality of life impairment: Does it support the hypothesis of “Dysregulation of Mood, Energy, and Social Rhythms Syndrome” (DYMERS)? *Journal of Public Health Research*, 2023, 12(4)
11. Carta, M.G., Kalcev, G., Scano, A., ...Orrù, G., Primavera, D. Screening, Genetic Variants, and Bipolar Disorders: Can Useful Hypotheses Arise from the Sum of Partial Failures? *Clinics and Practice*, 2023, 13(4), pp. 853–862
12. M. G. CARTA, G. ORRU, R. LITTERA, D. FIRINU, L. CHESSA, G. COSSU, D. PRIMAVERA, S. DEL GIACCO, E. TRAMONTANO, N. MANOCCHIO, C. BUONOMO, **A. SCANO** (2023). Comparing the responses of countries and National Health Systems to the COVID-19 pandemic: a critical analysis with a case-report series. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 27, p. 7868-7880, ISSN: 2284-0729, doi: 10.26355/eurrev_202308_33442
13. Piras M., Coni P., Piludu M., Coni S., Lachowicz J. I., Jaremko M., Faa G., Cau F., **Scano A.**, Orru G., Murru R., Pichiri G. (2023). Human breast milk cells are positive for the pioneer transcription factor ISL1. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 27, p. 8842-8849, ISSN: 2284-0729, doi: 10.26355/eurrev_202309_33804
14. M. Carla Aragoni, Enrico Podda, Veronica Caria, Silvia A. Carta, M. Francesca Cherchi, Vito Lippolis, Simone Murgia, Germano Orru, Gabriele Pippia, **Alessandra Scano**, Alexandra M. Z. Slawin, J. Dere Woollins, Anna Pintus, and Massimiliano Arca [AuIII(N^N)Br₂](PF₆): A Class of Antibacterial and Antibiofilm Complexes (N^N = 2,2'-Bipyridine and 1,10-Phenanthroline Derivatives)*Inorg. Chem.* 2023, 62, 2924-2933
15. Goce Kalcev,* , **Alessandra Scano** , Germano Orrù , Diego Primavera , Giulia Cossu , Antonio Egidio Nardi and Mauro Giovanni Carta. Is a Genetic Variant associated with Bipolar Disorder Frequent in People without Bipolar Disorder but with Characteristics of Hyperactivity and Novelty Seeking? *Clinical Practice & Epidemiology in Mental Health*, 2023, Volume 19. DOI: 10.2174/17450179-v19-e230419-2022-53, 2023, 19, e174501792303280
16. **Alessandra Scano**, Giulia Cossu, Goce Kalcev, Elisa Pintus, Massimiliano Pau, Maria Penna, Laura Atzori, Germano Orru, Ferdinando Romano, Cesar Ivan Aviles Gonzalez, Mauro Giovanni Carta (2023). Inflammatory Indices during and after a Randomized Controlled Trial on Exercise in Old Adults: Could Moderate-intensity Exercise be Safe Enough? (Active Elderly and Health – Clinicaltrials.Gov, NCT03858114). *THE OPEN SPORTS SCIENCES JOURNAL*, vol. 16, p. 1-6, ISSN: 1875-399X, doi: 10.2174/1875399X-v16-e230111-2022-19.
17. Maxia, C., Isola, M., Grecu, E., Cuccu, A., **Scano, A.**, Orrù, G., Di Girolamo, N., Diana, A., Murtas, D. (2023). Synergic action of Insulin-like Growth Factor-2 and miRNA-483 in pterygium pathogenesis. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, vol. 24, 4329, ISSN: 1422-0067, doi: 10.3390/ijms24054329
18. C. Gerosa, G. Cerrone, J. S. Suri, V. Aimola, F. Cau, P. Coni, M. Piras, R. Cau, A. Balestrieri, **A. Scano**, G. Orru, P. Van Eyken, G. La Nasa, F. Coghe, M. Castagnola, Y. Gibo, D. Fanni, L. Saba (2023). The human carotid atherosclerotic plaque: an observational review of histological scoring systems. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 27, p. 3784-3792, ISSN: 2284-0729, doi: 10.26355/eurrev_202304_32179
19. **Alessandra Scano**, Goce Kalcev, Martina Piras, Sara Fais, Giulia Cossu, Cesar Ivan Aviles Gonzalez, Mauro Giovanni Carta, Germano Orru (2023). Usefulness of salivary sampling for the molecular detection of a genetic variant associated with bipolar disorders. *JOURNAL OF PUBLIC HEALTH RESEARCH*, vol. 12, p. 1-5, ISSN: 2279-9036, doi: 10.1177/22799036221146915

20. Piras M., Gerosa C., Fanni D., Cau F., Coni P., Murru R., Denotti G., Orru G., **Scano A.**, Ledda F., Van Eyken P., Coghe F., Faa G., Castagnola M. (2022). Acyl-CoA binding protein (ACBP) is highly expressed in the developing human kidney. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 26, p. 3301-3309, ISSN: 2284-0729, doi: 10.26355/eurrev_202205_28749
21. Piras M., Fanni D., Congiu T., Cau F., Piludu M., Coni S., Coni P., Pichiri G., Orgerie J., **Scano A.**, Orru G., Gerosa C., Faa G. (2022). CD44 is highly expressed in stem/progenitor cells originating the intervertebral discs in the human notochord. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 26, p. 8502-8507, ISSN: 2284-0729, doi: 10.26355/eurrev_202211_30385
22. Eleonora Casula, Maria Paola Contu, Cristina Demontis, Ferdinando Coghe, Giorgio Carlo Steri, **Alessandra Scano**, Maria Laura Ferrando, Germano Orru (2022). Changes in the oral status and periodontal pathogens in a Sardinian rural community from pre-industrial to modern time. *SCIENTIFIC REPORTS*, p. 1-11, ISSN: 2045-2322, doi: 10.1038/s41598-022-20193-9
23. Carta, Mauro Giovanni, Orrù, Germano, Cossu, Giulia, Velluzzi, Fernanda, Atzori, Laura, Aviles Gonzalez, Cesar Ivan, Romano, Ferdinando, Littera, Roberto, Chessa, Luchino, Firinu, Davide, Del Giacco, Stefano, Restivo, Angelo, Deidda, Simona, **Scano, Alessandra**, Onali, Simona, Kalcev, Goce, Coghe, Ferdinando, Minerba, Luigi (2022). Covid-19 vaccines work but other factors play a relevant role: a data analysis on spread and mortality in 24 countries. *JOURNAL OF PUBLIC HEALTH RESEARCH*, vol. 11, 2665, ISSN: 2279-9028, doi: 10.4081/jphr.2022.2665
24. C. Casu, G. Orru, **A. Scano** (2022). Curcumin/H₂O₂ photodynamically activated: an antimicrobial time-response assessment against an MDR strain of *Candida albicans*. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 26, p. 8841-8851, ISSN: 2284-0729, doi: 10.26355/eurrev_202212_30556
25. Carta, Mauro Giovanni, Orrù, Germano, Peracchia, Ambra, Cossu, Giulia, Velluzzi, Fernanda, Atzori, Laura, Ferreli, Caterina, Ivan Aviles Gonzalez, Cesar, Romano, Ferdinando, Littera, Roberto, Puxeddu, Roberto, Chessa, Luchino, Firinu, Davide, Del Giacco, Stefano, Restivo, Angelo, Deidda, Simona, **Scano, Alessandra**, Coghe, Ferdinando, Minerba, Luigi, Manconi, Maria, Saba, Luca (2022). Differences in lethality and diffusion of Covid-19 in countries using different kinds of vaccines. *JOURNAL OF PUBLIC HEALTH RESEARCH*, vol. 11, 22799036221107062, ISSN: 2279-9028, doi: 10.1177/22799036221107062 corresponding
26. **Scano A.**, Casu C, Orru G, Coni P. (2022). Epigenetic mechanisms in oral cancer: new diagnostic and therapeutic strategies. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 26, p. 7318-7320, ISSN: 1128-3602, doi: 10.26355/eurrev_202210_30000
27. Cau F, Fanni D, Manchia M, Gerosa C, Piras M, Murru R, Paribello P, Congiu T, Coni P, Pichiri G, Piludu M, Van Eyken P, Gibo Y, La Nasa G, Orrù G, **Scano A.**, Coghe F, Saba L, Castagnola M, Faa G. (2022). Expression of I1 cell adhesion molecule (I1cam) in extracellular vesicles in the human spinal cord during development. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 26, p. 6273-6282, ISSN: 2284-0729, doi: 10.26355/eurrev_202209_29651
28. Alessandra Scano, Elisabetta Mereu, Valentina Cabras, Giada Mannias, Alessandra Garau, Martina Pilloni, Germano Orru, **Alessandra Scano**, Guido Ennas (2022). Green Preparation of Antimicrobial 1D-Coordination Polymers: [Zn(4,4'-bipy)Cl₂]_∞ and [Zn(4,4'-bipy)2(OAc)2]_∞ by Ultrasonication of Zn(II) Salts and 4,4'-Bipyridine. *MOLECULES*, vol. 27, 6677, ISSN: 1420-3049, doi: 10.3390/molecules27196677
29. Mauro Giovanni Carta, Laura Atzori, Cesar Ivan Aviles Gonzales, Luigi Minerba, Massimiliano Pau, Antonio Crisafulli, Alberto Cauli, Caterina Ferreli, Roberto Puxeddu, Germano Orrù, **Alessandra Scano**, Sergio Machado, Ferdinando Romano, Giulia Cossu, Antonio Preti (2022). Improving Quality of Life in Older Adults Living at Home by a Moderate Exercise Training. *THE OPEN PSYCHOLOGY JOURNAL*, vol. 15, e187435012206060, ISSN: 1874-3501, doi: 10.2174/18743501-v15-e2206060
30. Cau, F, Gerosa, C, Murru, R, Pichiri, G, Coni, P, Piras, M, **Scano, A.**, Orrù, G, La Nasa, G, Coghe, F, Castagnola, M, Van Eyken, P, Saba, L, Fanni, D, Faa, G (2022). Interindividual variability in L1CAM expression in the human kidney during development: are there implications for fetal programming of kidney diseases presenting in adulthood?. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 26, p. 4346-4353, ISSN: 2284-0729, doi: 10.26355/eurrev_202206_29073
31. Mauro Giovanni Carta, Goce Kalcev, **Alessandra Scano**, Diego Primavera, Germano Orru, Oye Gureye, Giulia Cossu, Antonio Egidio Nardi (2022). Is Bipolar Disorder the Consequence of a Genetic Weakness or Not Having Correctly Used a Potential Adaptive Condition?. *BRAIN SCIENCES*, vol. 13, p. 1-9, ISSN: 2076-3425, doi: 10.3390/brainsci13010016
32. Castangia I., Manconi M., Allaw M., Perra M., Orru G., Fais S., Scano A., Escribano-Ferrer E., Ghavam M., Rezvani M., Manca M. L. (2022). Mouthwash Formulation Co-Delivering Quercetin and Mint Oil in

- Liposomes Improved with Glycol and Ethanol and Tailored for Protecting and Tackling Oral Cavity. *ANTIOXIDANTS*, vol. 11, p. 1-11, ISSN: 2076-3921, doi: 10.3390/antiox11020367
33. Enrico Peiretti, Giuseppe Demarinis, Cinzia Casu, **Alessandra Scano**, Germano Orru' (2022). Oral-ocular trans infection of Epstein Barr virus. A possible new way of transmission by wearing masks in the SARS-CoV-2 era. *AMERICAN JOURNAL OF OPHTHALMOLOGY. CASE REPORTS*, vol. 27, 101626, ISSN: 2451-9936, doi: 10.1016/j.ajoc.2022.101626
 34. Carta, Mauro Giovanni, Fornaro, Michele, Minerba, Luigi, Pau, Massimiliano, Velluzzi, Fernanda, Atzori, Laura, Aviles Gonzalez, Cesar Ivan, Romano, Ferdinando, Littera, Roberto, Chessa, Luchino, Firinu, Davide, Del Giacco, Stefano, Restivo, Angelo, Deidda, Simona, Orrù, Germano, **Scano, Alessandra**, Onali, Simona, Coghe, Ferdinando, Kalcev, Goce, Cossu, Giulia (2022). Previous functional social and behavioral rhythms affect resilience to COVID-19-related stress among old adults. *JOURNAL OF PUBLIC HEALTH RESEARCH*, vol. 11, 2768, ISSN: 2279-9028, doi: 10.4081/jphr.2022.2768
 35. Giulia Cossu, Mirian Agus, Laura Atzori, Cesar Ivan Aviles Gonzales, Luigi Minerba, Caterina Ferreli, Roberto Puxeddu, Germano Orrù, **Alessandra Scano**, Ferdinando Romano, Elisa Pintus, Maria Petronilla Penna, Mauro Giovanni Carta (2022). Principal Component Analysis of the Social and Behavioral Rhythms Scale in elderly. *JOURNAL OF PUBLIC HEALTH RESEARCH*, vol. 11, 2546, ISSN: 2279-9036, doi: 10.4081/jphr.2021.2546
 36. Carta M. G., Pintus E., Zaccheddu R., Callia O., Conti G., Gonzalez C. I. A., Minerba L., Demontis R., Pau M., Cocco E., Penna M. P., Kalcev G., Lorrari S., Velluzzi F., Lovoselli A., Monticone M., Massidda M. V., Pinna M. R., Atzori L., Cauli A., **Scano A.**, Orru G., Crisafulli A., Cosentino S., Machado S., Fortin D., Migliaccio G. M., Finco G., Musu M., Cossu G. (2022). Social and Behavioral Rhythms is Related to the Perception of Quality of Life in Old Adults. *THE OPEN PSYCHOLOGY JOURNAL*, vol. 15, ISSN: 1874-3501, doi: 10.2174/18743501-v15-e220927-2021-111
 37. Piras M, Cau F, Manchia M, Paribello P, Saba L, Suri JS, Faa G, Pichiri G, Cerrone G, **Scano A**, Orrù G, La Nasa G, Coghe F, Castagnola M, Fanni D, Gerosa C. (2022). Strong ACE-2 expression in the choroidal vessels: do high choroid plexuses serve as a gateway for SARS-CoV-2 infection on the human brain?. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 26, p. 3025-3029, ISSN: 2284-0729, doi: 10.26355/eurrev_202204_28633
 38. Coghe F., Fanni D., Gerosa C., Ravarino A., Mureddu M., Cerrone G., Coni P., Pichiri G., Congiu T., Piras M., Cau F., Aimola V., Balestrieri A., Lai E., Manchia M., **Scano A.**, Orru G., La Nasa G., Van Eyken P., Saba L., Scartozzi M., Castagnola M., Faa G. (2022). The role of fetal programming in human carcinogenesis - May the Barker hypothesis explain interindividual variability in susceptibility to cancer insurgence and progression?. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 26, p. 3585-3592, ISSN: 2284-0729, doi: 10.26355/eurrev_202205_28854
 39. T. Congiu, D. Fanni, M. Piras, C. Gerosa, F. Cau, D. Barcellona, D'Aloja Ernesto, R. Demontis, F. Chighine, M. NioI, P. Coni, A. Ravarino, G. Cerrone, V. Aimola, C. Botta, **A. Scano**, G. Orrù, F. Coghe, P. Van Eyken, G. La Nasa, L. Saba, J. S. Suri, G. Faa, F. Marongiu (2022). Ultrastructural findings of lung injury due to Vaccine-induced Immune Thrombotic Thrombocytopenia (VITT) following COVID-19 vaccination: a scanning electron microscopic study. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 26, p. 270-277, ISSN: 2284-0729, doi: 10.26355/eurrev_202201_27777
 40. Aviles-Gonzalez C. I., **Scano A.**, Cossu G., Littera R., Campagna M., Deidda S., Romano F., Kalcev G., Firinu D., Meloni F., Carta M. G., Del Giacco S., Restivo A., Zorcolo L., Marongiu L., Tamburini G., Maleci A., Orru G., Chessa L., Brasesco M. V. (2022). Verifying the Theory of Climate Affecting Lethality of COVID-19 by an Analysis in Two Climatic Zones of Chile. *THE OPEN PUBLIC HEALTH JOURNAL*, vol. 15, e187494452204140, ISSN: 1874-9445, doi: 10.2174/18749445-v15-e2204140
 41. Mauro Giovanni Carta, Giulia Cossu, Elisa Pintus, Rosanna Zoccheddu, Omar Callia, Giuliana Conti, Mirra Pintus, Cesar Ivan Aviles Gonzalez, Maria Valeria Massidda, Gioia Mura, Claudia Sardu, Paolo Contu, Luigi Minerba, Roberto Demontis, Massimiliano Pau, Gabriele Finco, Eleonora Cocco, Maria Petronilla Penna, Germano Orrù, Goce Kalcev, Federico Cabras, Stefano Lorrari, Andrea Loviselli, Fernanda Velluzzi, Marco Monticone, Enrico Cacace, Mario Musu, Franco Rongioletti, Alberto Cauli, Valeria Ruggiero, **Alessandra Scano**, Antonio Crisafulli, Sofia Cosentino, Laura Atzori, Elena Massa, Quirico Mela, Dario Fortin, Gianmario Migliaccio, Antonio Egidio Nardi, Matthias Angermeyer, Antonio Preti (2021). Active elderly and health—can moderate exercise improve health and wellbeing in older adults? Protocol for a randomized controlled trial. *TRIALS*, vol. 22, p. 1-10, ISSN: 1745-6215, doi: 10.1186/s13063-021-05278-6
 42. Ylenia Spissu, Antonio Barberis, Guy D'hallewin, Germano Orrù, **Alessandra Scano**, Gavina Rita Serra, Milo Pinna, Cristian Pinna, Salvatore Marceddu, Pier Andrea Serra (2021). An Ascorbate Bluetooth® Analyzer for Quality Control of Fresh-Cut Parsley Supply Chain. *ANTIOXIDANTS*, vol. 10, p. 1-17, ISSN: 2076-3921, doi: 10.3390/antiox10091485

43. Faa G., Gerosa C., Fanni D., Barcellona D., Cerrone G., Orru G., **Scano A.**, Marongiu F., Suri J., Demontis R., Nioi M., D'Aloja E., Nasa G. L. A., Saba L. (2021). Aortic vulnerability to COVID-19: Is the microvasculature of vasa vasorum a key factor? A case report and a review of the literature. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 25, p. 6439-6442, ISSN: 1128-3602, doi: 10.26355/eurrev_202110_27018
44. Cesar Ivan Aviles-Gonzales, Germano Orrù, Maria Verónica Brasesco, Ferdinando Romano, **Alessandra Scano**, Angelo Restivo, Stefano Del Giacco, Simona Deidda, Davide Firinu, Marcello Campagna, Giulia Cossu, Roberto Littera, Federico Meloni, Gabriele Finco, Goce Kalcev, Mauro Giovanni Carta (2021). COVID-19 Case Fatality Ratio of Latino America Countries with Temperate Climate Partially Follows European and Oceania Trends According to Seasonal Change. *BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY*, vol. 11, p. 11116-11121, ISSN: 2069-5837, doi: 10.33263/BRIAC114.1111611121
45. Martina Piras, **Alessandra Scano**, Germano Orrù, Antonio Preti, Cinzia Marchese, Goce Kalcev (2021). Can an Investigation of a Single Gene be Effective in Differentiating Certain Features of the Bipolar Disorder Profile?. *CLINICAL PRACTICE AND EPIDEMIOLOGY IN MENTAL HEALTH*, vol. 17, p. 187-189, ISSN: 1745-0179, doi: 10.2174/1745017902117010187
46. Maria Laura Ferrando, Ferdinando Coghe, **Alessandra Scano**, Mauro Giovanni Carta, Germano Orrù (2021). Co-infection of *Streptococcus pneumoniae* in Respiratory Infections Caused by SARS-CoV-2. *BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY*, vol. 11, p. 12170-12177, ISSN: 2069-5837, doi: 10.33263/BRIAC114.1217012177
47. Mauro Giovanni Carta, **Alessandra Scano**, Luigi Minerba, Ferdinando Romano, Germano Orrù (2021). Does Living in Previously Exposed Malaria or Warm Areas is Associated with a Lower Risk of Severe COVID-19 Infection in Italy?. *BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY*, vol. 11, p. 9744-9748, ISSN: 2069-5837, doi: 10.33263/BRIAC112.97449748
48. Germano Orrù, **Alessandra Scano**, Sara Fais, Miriam Loddo, Mauro Giovanni Carta, Giorgio Carlo Steri, Simonetta Santus, Riccardo Cappai, Maria Laura Ferrando, Ferdinando Coghe (2021). Evaluation of "Caterina assay": An Alternative Tool to the Commercialized Kits Used for Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Identification. *PATHOGENS*, vol. 10, p. 1-14, ISSN: 2076-0817, doi: 10.3390/pathogens10030325
49. Gerosa, C, Faa, G, Fanni, D, Cerrone, G, Suri, J S, Barcellona, D, Coni, P, Congiu, T, Lai, M L, Piras, M, Cau, F, Coghe, F, Balestrieri, A, Cau, R, Orru', G, **Scano, A**, Van Eyken, P, La Nasa, G, Campagna, M, Castagnola, M, Gibo, Y, Marongiu, F, Saba, L (2021). Fetal programming of atherosclerosis: may the Barker hypothesis explain the susceptibility of a subset of patients to develop stroke or cardiac infarct?. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 25, p. 6633-6641, ISSN: 2284-0729, doi: 10.26355/eurrev_202111_27107
50. Daniela Isola, **Alessandra Scano**, Germano Orrù, Francesc Xavier Prenafeta-Boldú, Laura Zucconi (2021). Hydrocarbon-Contaminated Sites: Is There Something More Than *Exophiala xenobiotica*? New Insights into Black Fungal Diversity Using the Long Cold Incubation Method. *JOURNAL OF FUNGI*, vol. 7, 817, ISSN: 2309-608X, doi: 10.3390/jof7100817
51. Marongiu, F, Grandone, E, **Scano, A**, Orrù, G, Marongiu, S, Gerosa, C, Fanni, D, Faa, G, Barcellona, D (2021). Infectious agents including COVID-19 and the involvement of blood coagulation and fibrinolysis. A narrative review. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 25, p. 3886-3897, ISSN: 2284-0729, doi: 10.26355/eurrev_202105_25956
52. G. Kalcev, A. Preti, **A. Scano**, G. Orrù, M. G. Carta (2021). Insight into susceptibility genes associated with bipolar disorder: a systematic review. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 25, p. 5701-5724, ISSN: 2284-0729, doi: 10.26355/eurrev_202109_26789
53. Mauro Giovanni Carta, Goce Kalcev, **Alessandra Scano**, Ferdinando Romano, Giulia Cossu, Roberto Littera, Andrea Perra, Simona Deidda, Davide Firinu, Stefano Del Giacco, Marcello Campagna, Luchino Chessa, Luigi Zorcolo, Angelo Restivo, Germano Orrù (2021). Is the Inversion in the Trend of the Lethality of the COVID-19 in the Two Hemispheres due to the Difference in Seasons and Weather?. *BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY*, vol. 11, p. 10429-10434, ISSN: 2069-5837, doi: 10.33263/BRIAC113.1042910434
54. Fanni D., Guido M., Gerosa C., Vallascas V., Moi M., Coni P., Vallebona E., van Eyken P., Barcellona D., **Scano A.**, Orru G., Pampaloni P., Castagnola M., Faa G. (2021). Liver changes in Wilson's disease: The full spectrum. A report of 127 biopsies from 43 patients. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 25, p. 4336-4344, ISSN: 1128-3602, doi: 10.26355/eurrev_202106_26142
55. Carta M. G., Cossu G., Pintus E., Zaccheddu R., Callia O., Conti G., Pintus M., Gonzalez C. I. A., Massidda M. V., Mura G., Sardu C., Contu P., Minerba L., Demontis R., Pau M., Finco G., Cocco E.,

- Penna M. P., Orr G., Kalcev G., Cabras F., Lorrari S., Loviselli A., Velluzzi F., Monticone M., Cacace E., Musu M., Rongioletti F., Cauli A., Ruggiero V., **Scano A.**, Crisafulli A., Cosentino S., Atzori L., Massa E., Mela Q., Fortin D., Migliaccio G., Machado S., Romano F., Preti A. (2021). Moderate exercise improves cognitive function in healthy elderly people: results of a randomized controlled trial. *CLINICAL PRACTICE AND EPIDEMIOLOGY IN MENTAL HEALTH*, vol. 17, p. 75-80, ISSN: 1745-0179, doi: 10.2174/1745017902117010075
56. Podda, Enrico, Carla Aragoni, M, Arca, Massimiliano, Atzeni, Giulia, Coles, Simon J, Ennas, Guido, Isaia, Francesco, Lippolis, Vito, Orru, Germano, **Scano, Alessandra**, Orton, James B, Pintus, Anna, Scano, Alessandra (2021). Morpholine- and Thiomorpholine-Based Amidodithiophosphonate Nickel Complexes: Synthesis, Characterization, P-N Cleavage, Antibacterial Activity and Silica Nano-Dispersion. *JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY*, vol. 21, p. 2879-2891, ISSN: 1533-4880, doi: 10.1166/jnn.2021.19058
57. Martina Salvatorina Murgia, Maria Elisabetta Murgia, **Alessandra Scano**, Cinzia Casu, Germano Orrù (2021). Oral HSV1-2 infection: clinical implications in patients with different immune status = Infezione orale da HSV1-2: Implicazioni cliniche nei pazienti con diverso status immunitario. *DENTAL CADMOS*, vol. 89, p. 8-16, ISSN: 0011-8524, doi: 10.19256/d.cadmos.01.2021.04
58. **Alessandra Scano**, Antonio Barberis, Germano Orrù, Sara Fais, Francesca Puggioni, Ylenia Spissu, Pier Andrea Serra, Guy D'hallewin (2021). Pseudomonas aeruginosa as a potential contaminant of packed fresh-cut lettuce in a controlled atmosphere. The role of phenotypes muc⁺/muc. *BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY*, vol. 11, p. 8716-8724, ISSN: 2069-5837, doi: 10.33263/BRIAC112.87168724
59. T. Congiu, R. Demontis, F. Cau, M. Piras, D. Fanni, C. GerosA, C. Botta, A. **Scano**, A. Chighine, E. Faedda, R. Cau, P. Van Eyken, F. Marongiu, D. Barcellona, L. Saba, G. Orrù, F. Coghe, J. S. Suri, G. Faa, Ernesto d'Aloja (2021). Scanning electron microscopy of lung disease due to COVID-19 – a case report and a review of the literature. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 25, p. 7997-8003, ISSN: 2284-0729, doi: 10.26355/eurrev_202112_27650
60. Mauro Giovanni Carta, Luigi Minerba, Roberto Demontis, Germano Orrù, Ferdinando Romano, **Alessandra Scano**, Angelo Restivo, Stefano Del Giacco, Simona Deidda, Davide Firinu, Marcello Campagna, Federico Meloni, Giulia Cossu, Federica Sancassiani, Luchino Chessa, Goce Kalcev, Roberto Littera, Luigi Zorcolo, Cesar Ivan Aviles-Gonzales, Paolo Usai (2021). The COVID-19 incidence in Italian regions correlates with low temperature, mobility and PM10 pollution but lethality only with low temperature. *JOURNAL OF PUBLIC HEALTH RESEARCH*, vol. 10, 2303, ISSN: 2279-9036, doi: 10.4081/jphr.2021.2303
61. Germano Orrù, Ferdinando Romano, **Alessandra Scano**, Angelo Restivo, Stefano Del Giacco, Simona Deidda, Davide Firinu, Marcello Campagna, Giulia Cossu, Luchino Chessa, Goce Kalcev, Mauro Giovanni Carta (2021). The climate in the European Union and the enlarged European Region is a determinant of the COVID-19 case fatality ratio. *BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY*, vol. 11, p. 10979-10986, ISSN: 2069-5837, doi: 10.33263/BRIAC113.1097910986
62. Fanni D., Cerrone G., Saba L., Demontis R., Congiu T., Piras M., Gerosa C., Suri J., Coni P., Caddori A., Piga M., Mancosu G., Barcellona D., Ravarino A., Chighine A., Cau F., **Scano A.**, Balestrieri A., Coghe F., Orr G., Van Eyken P., La Nasa G., D'aloia E., MARONGIU F., FAA G. (2021). Thrombotic sinusoiditis and local diffuse intrasinusoidal coagulation in the liver of subjects affected by COVID-19: The evidence from histology and scanning electron microscopy. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 25, p. 5904-5912, ISSN: 1128-3602, doi: 10.26355/eurrev_202110_26866
63. Fanni D., Saba L., Demontis R., Gerosa C., Chighine A., Nioi M., Suri J. S., Ravarino A., Cau F., Barcellona D., Botta M. C., Porcu M., **Scano A.**, Coghe F., Orru G., Van Eyken P., Gibo Y., La Nasa G., D'Aloja E., Marongiu F., Faa G. (2021). Vaccine-induced severe thrombotic thrombocytopenia following COVID-19 vaccination: A report of an autoptic case and review of the literature. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 25, p. 5063-5069, ISSN: 1128-3602, doi: 10.26355/eurrev_202108_26464
64. Antonio Barberis, Monica Deiana, Ylenia Spissu, Emanuela Azara, Angela Fadda, Pier Andrea Serra, Guy D'hallewin, Marina Pisano, Gabriele Serreli, Germano Orrù, **Alessandra Scano**, Daniela Steri, Enrico Sanjust (2020). Antioxidant, antimicrobial, and other biological properties of Pompia juice. *MOLECULES*, vol. 25, p. 1-19, ISSN: 1420-3049, doi: 10.3390/molecules25143186
65. M. G. Carta, **A. Scano**, J. Lindert, S. Bonanno, L. Rinaldi, S. Fais, G. Orrù (2020). Association between the spread of COVID-19 and weather-climatic parameters. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 24, p. 8226-8231, ISSN: 1128-3602, doi: 10.26355/eurrev_202008_22512
66. Manca M. L., Casula E., Marongiu F., Bacchetta G., Sarais G., Zaru M., Escribano-Ferrer E., Peris J. E.,

- Usach I., Fais S., **Scano A.**, Orru G., Maroun R. G., Fadda A. M., Manconi M. (2020). From waste to health: sustainable exploitation of grape pomace seed extract to manufacture antioxidant, regenerative and prebiotic nanovesicles within circular economy. *SCIENTIFIC REPORTS*, vol. 10, 14184, ISSN: 2045-2322, doi: 10.1038/s41598-020-71191-8
67. Goce Kalcev, Giorgia Testa, Maria Manconi, Gianluigi Bacchetta, **Alessandra Scano**, Germano Orrù, Maria Cristina Deidda, Gabriele Finco, Mauro Giovanni Carta (2020). Hypericum scruglii Bacch., Brullo & Salmeri, a Potential Natural Remedy for Fibromyalgia: A Narrative Review. *BIOINTERFACE RESEARCH IN APPLIED CHEMISTRY*, vol. 11, p. 9228-9238, ISSN: 2069-5837
68. M. G. Carta, G. Orrù, **A. Scano**, F. Coghe, G. Nunnari, G. Facchini, F. G. Numis, M. Berretta (2020). In the face of the SARS-CoV-2 outbreak, do people suffering from oncological disease need specific attention?. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 24, p. 3434-3436, ISSN: 2284-0729, doi: 10.26355/eurrev_202004_20794
69. Carla Vacca, Maria Paola Contu, Cecilia Rossi, Maria Laura Ferrando, Cornelio Blus, Serge Szmukler-Moncler, **Alessandra Scano**, Germano Orrù (2020). In vitro Interactions between Streptococcus intermedius and Streptococcus salivarius K12 on a Titanium Cylindrical Surface. *PATHOGENS*, vol. 9, p. 1-15, ISSN: 2076-0817, doi: 10.3390/pathogens9121069
70. G. Orrù, M. Storari, **A. Scano**, V. Piras, R. Taibi, D. Viscuso (2020). Obstructive Sleep Apnea, oxidative stress, inflammation and endothelial dysfunction An overview of predictive laboratory biomarkers. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 24, p. 6939-6948, ISSN: 2284-0729, doi: 10.26355/eurrev_202006_21685
71. Joanna Izabela Lachowicz, Kacper Szczepski, **Alessandra Scano**, Cinzia Casu, Sara Fais, Germano Orrù, Barbara Pisano, Monica Piras, Mariusz Jaremko (2020). The Best Peptidomimetic Strategies to Undercover Antibacterial Peptides. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, vol. 21, p. 1-45, ISSN: 1422-0067, doi: 10.3390/ijms21197349
72. Pierpaolo Coni, Monica Piras, Anna Mateddu, Marco Piludu, Germano Orru, **Alessandra Scano**, Tiziana Cabras, Valentina Piras, Joanna Izabela Lachowicz, Mariusz Jaremko, Gavino Faa, Massimo Castagnola, Giuseppina Pichiri (2020). Thymosin b4 cytoplasmic/nuclear translocation as a new marker of cellular stress. A Caco2 case study. *RSC ADVANCES*, p. 12680-12688, ISSN: 2046-2069, doi: 10.1039/c9ra10365a
73. **Alessandra Scano**, Giuseppe Serafi, Sara Fais, Silvia Bomboi, Marcella Peri, Antonella Ibba, Caterina Girometta, Germano Orrù, Paola Rossi, Patrizia Sanna, Ferdinando Coghe, Manuele Liciardi (2019). Antimicrobial susceptibility pattern to disinfectants in Pseudomonas aeruginosa strains isolated from dairy sheep breeds in Sardinia. *LARGE ANIMALS REVIEW*, vol. 25, p. 11-15, ISSN: 1124-4593
74. G. Orrù, A. Mameli, C. Demontis, P. Rossi, D. Ratto, A. Occhinegro, V. Piras, L. Kuqi, M. Berretta, R. Taibi, **A. Scano**, P. Coni (2019). Oral human papilloma virus infection: an overview of clinical-laboratory diagnosis and treatment. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 23, p. 8148-8157, ISSN: 2284-0729, doi: 10.26355/eurrev_201909_19035
75. Pilloni Andrea, Carere Marco, Orrù Germano, **Scano Alessandra**, Trezza Cinzia, Rojas Mariana A., Zeza Blerina (2018). Adjunctive use of an ethyl lauroyl arginate-(LAE-)-containing mouthwash in the nonsurgical therapy of periodontitis: a randomized clinical trial. *MINERVA STOMATOLOGICA*, vol. 67, p. 1-11, ISSN: 0026-4970, doi: 10.23736/S0026-4970.17.04084-5
76. Germano Orrù, Muggironi, Francesca, Antonello Mameli, Cristina Demontis, Arcadu, Bastiana, **Alessandra Scano**, Gloria Denotti, Vincenzo Piras, Carolina Girometta, Blerina Zeza, Andrea Pilloni (2018). BAX Gene Overexpression in the Tongue Could Warn of Infection Risk due to Periodontal Pathogens. *THE OPEN DENTISTRY JOURNAL*, vol. 12, p. 1070-1078, ISSN: 1874-2106, doi: 10.2174/1874210601812011070
77. **Scano Alessandra**, Orrù Germano, Serafi Giuseppe, Occhinegro Alessandra, Ratto Daniela, Girometta Caterina, Rossi Paola. (2018). Long non-coding RNAs: possible parallel paths by E-cadherin expression in colon cancer development as well as in Pseudomonas aeruginosa infection. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, vol. 22, p. 5053-5055, ISSN: 1128-3602
78. **Scano A.**, Ratto D, Occhinegro A, Pedroncelli A, Rossi P (2018). MICRORNA-552 IN COLORECTAL CANCER WITH POOR PROGNOSIS. ITS ROLE AS NOVEL MOLECULAR BIOMARKER.. *EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES*, ISSN: 1128-3602, doi: doi: 10.26355/eurrev_201803_14453

79. Germano Orrù, Vincenzo Piras, Gloria Denotti, Cristina Demontis, **Alessandra Scano**, Ferdinando Coghe, Giuseppe Speziale, Claudio Napoleone, Abdallah Raweh, Andrea Mascolo (2017). Oral Surgery in the Human Microbiota Era, the role of Periodontal Bacteria. OPEN ACCESS JOURNAL OF SURGERY, vol. 3, p. 1-3, ISSN: 2476-1346, doi: 10.19080/OAJS.2017.03.555613
80. Germano Orrù, **Alessandra Scano**, Vincenzo Piras, Gloria Denotti, Manuele Liciardi, Giuseppe Speziale, Claudio Napoleone, Andrea Mascolo (2017). Pseudomonas infections in surgery practice needs for innovative antimicrobial procedures?. OPEN ACCESS JOURNAL OF SURGERY, vol. 3, p. 1-4, ISSN: 2476-1346, doi: 10.19080/OAJS.2017.03.555619
- Erriu M, Pili FMG, Tuveri, Enrica, Pigliacampo D, **Scano A**, Montaldo C, Piras, Vincenzo, Denotti, Gloria, Pilloni A, Garau, Valentino, Orru, Germano (2013). Oil Essential Mouthwashes Antibacterial Activity against Aggregatibacter actinomycetemcomitans: A Comparison between Antibiofilm and Antiplanktonic Effects. INTERNATIONAL JOURNAL OF DENTISTRY, vol. 2013, ISSN: 1687-8728, doi: 10.1155/2013/164267

INVITED SPEAKER AT:

1. Speaker at the XXVIII National Congress SIDOC 2025. Siena 4-5 April 2025. Polo Didattico La Scotte. Title presentation: Oral pathobionts: from research to prevention
2. Speaker at the International Translational Medicine Meeting in the identification of biomarkers in the prevention, rehabilitation and diagnostics. November 7-8, 2024. Title presentation New laboratory perspectives: salivary biomarkers in risk assessment of diseases neurodegenerative and mood
3. Participation in the organizing committee at the International Translational Medicine Meeting in the identification of biomarkers in prevention, rehabilitation and diagnostics. November 7-8, 2024, Cagliari, Italy.
4. Speaker at the 3rd U.N.I.D Sardinia Congress Learning from experience. Title presentation: Diagnosis Laboratory - The new frontiers October 26, 2024 Cagliari
5. Speaker at the Intensive course and theoretical-practical laboratory in TRANSLATIONAL MICROBIOMICS. Presentation title: The genomic sequencing laboratory. Organized by SIBS Italian Society of Experimental Biology. CME event in Webinar mode. October 1, 2024.
6. Speaker at the Conference "Plants & Health - Between Evidence and Critical Issues: meeting between research and companies" Padua, September 20, 2024. Title paper "Evaluation of antimicrobial properties of plant products derived from pistacia lentiscus".
7. Speaker at the CME Training Course "Updates in Molecular Biology: new methods, areas of application and interpretation of results," organized by the Istituto Zooprofilattico della Sardegna, S.C. Diagnostica Territoriale di Cagliari - June 21, 2023, Cagliari. Presentation title: Sanger Sequencing and Technology (Next Generation Sequencing - NGS). Experience in Public Health.
8. Participation in the organizing committee at the "Round Table on New Approaches to Social Inclusion and Mental Health," organized by "Mediterranean society on mental Health and University of Cagliari," University city of Monserrato (CA). 29-05-2023
9. Poster presentation at the conference "Precision medicine in the era of integrated omics," Favignana ex Stabilimento Florio delle Tonnare di Favignana e Formica, May 18-19, 2023. Poster title: The leitmotiv for periodontal bacteria in dental calculus: an increase from the Eneolithic age to the present one. Alessandra Scano, Paola Contu, Sara Fais, Germano Orrù. 18-05-2023 to 19-05-2023
10. Participation as moderator at the Update in Vaginal Health Congress "From microbiota to prevention, from information to training May 12, 2023 Hotel regina Margherita Cagliari

11. Speaker at the Conference AIDI- Interdisciplinarity: an opportunity in the management of the disease periodontal disease. Bari May 12-13, 2023. Title paper: "Oral dysbiosis, periodontal disease in patients with colorectal carcinoma"
12. Speaker at the 3rd Airo National Congress 2022. Oral medicine an integrated strategy. 4 06 2022 Hotel parco dei Principi- Bari. Title paper: Mechanisms and role of periodontal pathogens in the genesis of cardiovascular diseases.
13. Participation in the Organizing Secretariat and Session Chair at the III National Congress. AIRO.Oral Medicine. An integrated strategy. 4 06 2022 Bari
14. Speaker for poster presentation at the III AIRO National Congress " Oral Medicine: An Integrated Strategy". 4-06-2022 Bari. Poster Title: Periodontal Microbiota and Atherosclerosis.Evaluation Clinical and molecular evaluation on atheromatous plaque sampling. Alessandra Scano, Sara Fais, Giulia Margiani,Cinzia Casu, Germano Orrù. First prize winner.
15. Speaker at the Conference " Novelties between cancer diagnosis and therapies. New horizons and new perspectives". Hospitalis Sancti Antoni Oristano 14 05 2022. Title: The laboratory diagnosis of breast cancer.
16. Participation in the Organizing Secretariat of the event: The Stories of Men Through Microbes. The oral microbiome of ancient centenarians. Perdasdefogu Municipal Palace 11 03 2022.
17. Speaker at the meeting The Stories of Men Through Microbes. The oral microbiome of ancient Centenarians. Perdasdefogu: 11-03-2022. Paper title: The analysis of microbiomes in the medical field.
18. Relate to the meeting The Gold of Puglia from ancient traditions to current scientific evidence. Andria 2 04 2022. Paper title: Functional properties of Lentisk oil.
19. Participation in the Organizing Secretariat of the event Functional Properties of Lentisk Oil. The gold of Puglia from ancient traditions to current scientific evidence. Andria 2 04 2022
20. Speaker at the webinar "Strengthening networks on Mental Health in the Mediterranean 22-23 April 2022. Title: Towards a validation of two new instruments in the area of bipolar spectrum disorders: questionnaire for hyperactivity and drive to exploration, and genetic tool.
21. Speaker at the 19th National Congress Courses of Studies in Dental Hygiene Novara, October 1 - 2, 2021. Maintaining the oral ecosystem: the future of the dental hygienist. Paper title: Microbiota: relationship between flora of the oral cavity and gastrointestinal tract and related diseases.
22. Speaker at the Second joint learning event MEDLENTISK. Sardegna Ricerche Conference Centre, Pula Tuesday. November 2021. Paper title: Functional properties of lentisk hot water leaves and Berry oil extracts.
23. Speaker at the final cluster event Real time Check IV gamma . Online Event 25/03/2021. Paper Title: Using Molecular beacon for detection of pathogens in IV Gamma products.
24. Poster presentation at the 15th International Workshop on Neonatology - 40th Congress Umemps Union Middle Eastern and Mediterranean Pediatric Societies, October 24 - 26, 2019, T-HOTEL-Cagliari. Poster Title: Cytomegalovirus infection in the first days of life Prevalence in the South Sardinia from 2016 to 2019. Miriam Loddò, Alessandra Scano, Sara Fais, Gabriele Serreli, Germano Orrù and Ferdinando Coghe. From 24-10-2019 to 26-10-2019.
25. Speaker at Unica & enterprises - Cesar open day, Cittadella Universitaria di Monserrato - Block A (27/06/2019). Paper title: "Rapid monitoring systems of quality and hygienic-sanitary suitability of IV Gamma products, for real-time detection and management of critical issues along the production chain."
26. Speaker at the Joint Workshop Projects Cluster RealTime Check IV- Aula Magna of the Dental Clinic, PO, San Giovanni di Dio Via Ospedale 54, Cagliari (14/02/2019). Title: "IV gamma vegetables as a source of infection for Pseudomonas aeruginosa".
27. Speaker at the CME training course organized by the AOU of Cagliari "The Polymerase Chain Reaction, state of the art and their applications". Teaching Axis "E"- University Citadel -. Monserrato, (June 29, 2012) Title: Molecular biology techniques and their applications