



Roberta Magnano San Lio

Home : Catania, Italy

Email: robertamagnanosanlio@unict.it Phone: (+39) 3441436109

Gender: Female Date of birth: 07/06/1995 Nationality: Italian

WORK EXPERIENCE

[01/03/2023 - Current]

Research activity - ASSISTANT PROFESSOR (RTDA) MED-42

*Department of Medical and Surgical Sciences and Advanced Technologies,
University of Catania*

City: Catania

Country: Italy

- Epidemiology
- Molecular Epidemiology
- Molecular Analysis (Epigenetics, Nutrigenetics, and Nutrigenomics)
- Database management and Data analysis
- Systematic review and Meta-analysis

[16/09/2022 - 28/02/2023]

Research activity - Research fellow MED/42

*Department of Medical and Surgical Sciences and Advanced Technologies,
University of Catania*

City: Catania

Country: Italy

Research title: *"Epidemiologia e genomica di sanità pubblica per la sorveglianza e la prevenzione delle malattie"*

Activities in support of research projects which include: i) development of epidemiological studies on communicable and non-communicable diseases; ii) use of information systems and molecular epidemiology tools for evaluating the relationship between risk factors and human health; iii) use of diagnostic/therapeutic methods, prevention strategies and evaluation of their efficacy; iv) epidemiological characterization of patients and microorganisms responsible for healthcare associated infections; v) study of biomarkers of exposure, effect, and susceptibility in subgroup of people at risk of communicable and non-communicable diseases.

[11/2018 - 01/2022]

Research activity - PhD in Translational Biomedicine (XXXIV cycle)

Department of Clinical and Experimental Medicine, University of Catania

City: Catania

Country: Italy

Tutor Professor Antonella Agodi (MED/42), Department of Medical and Surgical Sciences and Advanced Technologies "GF Ingrassia", University of Catania.

PhD thesis: *"An epidemiological approach to study the interplay between genome, epigenome and exposome in women"*

- Design, development and participation in epidemiological studies;
- Participation in surveillance activities and related data collection through the use of online platforms;
- Application of Epidemiological Methodologies for the collection, management and analysis of data;
- Analysis and identification of environmental and behavioral factors affecting health;
- A priori and a posteriori analysis and identification of nutritional profiles;
- Database management and data analysis using SPSS, Stata, R-studio and Excel;
- Use and management of a web-based data collection information system;

- Molecular biology techniques for the analysis of genetic, epigenetic and aging biomarkers: nucleic acid extraction, PCR and Real Time PCR, pyrosequencing;
- Systematic review and meta-analysis of scientific literature using Review Manager and Comprehensive Meta-analysis

[01/2020 - 04/2020]

Research activity - International Traineeship

Barcelona Institute for Global Health, ISGlobal

City: Barcelona

Country: Spain

Erasmus+ Program Key Action 1 - Student Mobility for Traineeship. Tutor Professor Martine Vrijheid.

Childhood and Environment Research Programme". Participation in the European epidemiological study *Human Early Life Exposome - HELIX*, with the project entitled: "*Exposure to breastfeeding and child blood DNA methylation: Preliminary results*". The activities carried out concerned:

- Review of the scientific literature on the topic
- Code creation and elaboration of the main statistical analyzes through R-study
- Interpretation of the preliminary results

[01/01/2018 - 30/10/2018]

Research activity - Internship

Department of Medical and Surgical Sciences and Advanced Technologies, University of Catania

Address: Catania, Italy

- Systematic review
- Meta-analysis
- Epidemiology
- Nutrigenetics and Nutrigenomics
- Molecular analyses (DNA and RNA extraction, PCR and Real-time PCR, pyrosequencing)
- Epigenetics (DNA methylation and miRNA analyses)
- Database management
- Data analysis (descriptive statistics, risk estimation, correlation, regression analysis, factor analysis, cluster analysis, ROC curve analysis, survival analysis, predictive modelling)
- Dietary pattern analysis

[01/03/2016 - 30/07/2016]

Research activity - Internship

Department of Medical and Surgical Sciences and Advanced Technologies, University of Catania

Address: Catania, Italy

- Systematic review
- Meta-analysis
- Epidemiology
- Database management
- Data analysis
- Public Health Genomics, Nutrigenetics and Nutrigenomics
- DNA methylation analysis
- Infection control
- Environment and Food Safety control

[05/10/2022 - 05/10/2022]

Educational activity - Teaching

School of Specific Training in General Medicine of the Sicilian Region

City: Catania

Country: Italy

Teaching, for a total of 5 hours, as part of the XVII module "Nutrition and lifestyles as prevention of chronic non-communicable diseases" of the 1st year of the course (three-year period 2021 - 2024) of the Training School Specific in General Medicine, at the Cannizzaro Hospital - Via Messina n.829, Catania

[05/09/2022 - 05/09/2022]

Educational activity - Teaching

School of Specific Training in General Medicine of the Sicilian Region

City: Catania

Country: Italy

Teaching, for a total of 5 hours, as part of the XVII module "Nutrition and lifestyles as prevention of chronic non-communicable diseases" of the 1st year of the course (three-year period 2021 - 2024) of the Training School Specific in General Medicine, at the Cannizzaro Hospital - Via Messina n.829, Catania

[05/2022 - 09/2022]

Educational activity - Tutor

Department of Biological, Geological and Environmental Sciences, University of Catania

City: Catania

Country: Italy

Tutoring activity for the Integrated Course of Hygiene and Statistics (Professor Martina Barchitta), Bachelor's Degree Course in Biological Sciences.

Teaching activities to support students for the study methodology of the Hygiene and Statistics. Supplementary teaching activities in collaboration with the teacher, such as management of written exams in presence, online laboratory activities, insights into the main topics of the course, support for bibliographic research aimed at drafting the final thesis

[05/2020 - 10/2020]

Educational activity - Tutor

Department of Biological, Geological and Environmental Sciences, University of Catania

City: Catania

Country: Italy

Tutoring activity for the Integrated Course of Hygiene and Statistics (Professor Martina Barchitta), Bachelor's Degree Course in Biological Sciences.

Teaching activities to support students for the study methodology of the Hygiene and Statistics. Supplementary teaching activities in collaboration with the teacher, such as online laboratory activities, insights into the main topics of the course, support for bibliographic research aimed at drafting the final thesis

[09/2019 - 10/2019]

Educational activity - Tutor

Department of Biological, Geological and Environmental Sciences, University of Catania

City: Catania

Country: Italy

Tutoring activity for the Integrated Course of Hygiene and Statistics (Professor Antonella Agodi), Bachelor's Degree Course in Biological Sciences. Didactic activities to support students for the study methodology of Hygiene and Statistics. Supplementary teaching activities in collaboration with the teacher, such as online laboratory activities, insights into the main topics of the course, support for bibliographic research aimed at drafting the final thesis

Research activity - National research projects

Department of Medical and Surgical Sciences and Advanced Technologies, University of Catania

City: Catania

Country: Italy

Participation in the following national studies:

- “La coorte Mamma & Bambino: un approccio Multisetoriale Alla salute Materno-Infantile Mediante valutazione dell’Esposoma nelle Donne - MAMI-MED”. Scientific supervisor: Professor Antonella Agodi (MED/42)
- “Healthy diet and lifestyles among University of Catania Students: a mobile Ecological Momentary Assessment (mEMA) approach for health promotion, HEALTHY-UNICT”. Scientific supervisor: Professor Martina Barchitta (MED/42)
- “Impatto di caratteristiche epidemiologiche, radiologiche, cliniche e molecolari nella diagnosi e nel management delle polmoniti COVID-19 – EPIRADIOCLINF: un approccio di studio integrato”. Scientific supervisor: Professor Antonella Agodi (MED/42)
- “Sorveglianza attiva Prospettica delle Infezioni Nosocomiali nelle Unità di Terapia Intensiva” (SPIN-UTI). Scientific supervisor: Professor Antonella Agodi (MED/42)
- “Dieta e marcatori epigenetici: ruolo della dieta materna sui pattern epigenetici nelle madri e nei nascituri”. Scientific supervisor: Professor Antonella Agodi (MED/42)
- “Polimorfismi del recettore per la vitamina D nei pazienti affetti da bronchiectasie”. Scientific supervisor: Professor Antonella Agodi (MED/42)
- “Contribution of dietary habits to disease activity in multiple sclerosis” - Dieta e Sclerosi Multipla”. Scientific supervisor: Professor Antonella Agodi (MED/42)
- “Non-communicable diseases risk: an integrated approach of nutritional and molecular epidemiology”. Scientific supervisor: Professor Antonella Agodi (MED/42)
- “Profili nutrizionali, fattori protettivi e biomarcatori molecolari per la prevenzione del cervico-carcinoma”. Scientific supervisor: Professor Antonella Agodi (MED/42)

Research activity - International research projects

*Department of Medical and Surgical Sciences and Advanced Technologies,
University of Catania*

City: Catania

Country: Italy

Participation in the following international studies:

- “Protocol for hospital-based studies to measure risk of SARS-CoV-2 infection and identify risk factors for SARS-CoV-2 transmission among health workers”, nell’ambito del progetto “Establishing Severe Acute Respiratory Infections (SARI) surveillance and performing hospital-based COVID-19 transmission studies”. European Centre for Disease Prevention and Control (ECDC) and Epiconcept, France. Scientific supervisor of Catania: Professor Antonella Agodi
- “European study to measure COVID-19 vaccine effectiveness against confirmed SARS-CoV-2 using health worker cohorts”, nell’ambito del progetto europeo “Developing an infrastructure and performing vaccine effectiveness studies for COVID-19 vaccines in the EU/EEA”. European Centre for Disease Prevention and Control (ECDC) and Epiconcept, France. Scientific supervisor of Catania: Professor Antonella Agodi

Research activity - National and international conferences and congresses

Presenter at the following national and international conferences and congresses:

- “Giornate della ricerca scientifica e delle esperienze professionali dei giovani”. Italian Society of Hygiene, Preventive Medicine and Public Health (Rome, December 2019). “Adherence to Mediterranean diet partially mediates the socioeconomic differences in leukocyte LINE-1 methylation: evidence from a cross-sectional study in Italian women”
- 14° Congress of European Public Health (EPH Conference- online edition November 2021). “The effect of nutrients on telomere length of fetal DNA: findings from the Mamma & Bambino cohort”
- “Giornate della ricerca scientifica e delle esperienze professionali dei giovani”. Italian Society of Hygiene, Preventive Medicine and Public Health (Online edition - March 2022). “The impact of COVID-19 pandemic on dietary habits of pregnant women: a comparison between two birth cohorts in Sicily”

- XXX Congresso Interregionale Siculo-Calabro. Italian Society of Hygiene, Preventive Medicine and Public Health. “La ripartenza della medicina preventiva e della sanità pubblica nel post-Covid” (Sicily, May 2022). “*Studi ECDC sui fattori di rischio per il COVID-19 ed efficacia vaccinale negli operatori sanitari: contributo della coorte siciliana*”

EDUCATION AND TRAINING

[11/2018 - 04/2022]

PhD in Translational Biomedicine (XXXIV cycle)

University of Catania

Address: Catania, Italy

Final grade: Approved with merit

Thesis: “An epidemiological approach to study the interplay between genome, epigenome and exposome in women”

- Systematic review
- Meta-analysis
- Epidemiology
- Nutrigenetics and Nutrigenomics
- Molecular analyses (DNA and RNA extraction, PCR and Real-time PCR, pyrosequencing)
- Epigenetics (DNA methylation and miRNA analyses)
- Database management
- Data analysis (descriptive statistics, risk estimation, correlation, regression analysis, factor analysis, cluster analysis, ROC curve analysis, survival analysis, predictive modelling)
- Dietary pattern analysis

[21/12/2018]

Enabled to the Biologist profession

University of Catania

[01/10/2016 - 12/07/2018]

Master's Degree in Biology - Health Sciences, cum laude

University of Catania

Address: Catania, Italy

- Molecular and Cellular Biology
- Hygiene and Epidemiology
- Nutritional Sciences
- Human Genetics
- Pathology
- Clinical Microbiology
- Reproductive Biology
- Pharmacology

[01/10/2013 - 26/07/2016]

Bachelor's Degree in Biological Sciences, cum laude

University of Catania

Address: Catania, Italy

- Chemical Sciences
- Human Anatomy
- Genetics
- Cytology and Histology
- Molecular Biology
- Microbiology
- Physiology
- Hygiene and Statistics

PEER REVIEW ACTIVITY

[2022 - Current]

Guest Editor of Special Issue "Precision Medicine for Epidemiology and Public Health" in the Journal of Personalized Medicine

Reviewer for journals of the MDPI and Hindawi groups

MDPI: *International Journal of Molecular Sciences, Nutrients, International Journal of Environmental Research and Public Health, Medicina*

Hindawi: *Health and Social Care in the Community, BioMed Research International, Disease Markers*

NETWORKS AND MEMBERSHIPS

[2019 - Current]

Membership of the Italian Society of Hygiene, Preventive Medicine and Public Health

[2019 - Current] **Membership of the European Public Health Association (EPH)**

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING C2 READING C2 WRITING C2

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2

Spanish

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

DIGITAL SKILLS

Microsoft Office (Microsoft) | Good knowledge of bibliographic software: Endnote, Mendelley | Software SPSS | Software STATA | R and R-studio

ORGANISATIONAL SKILLS

Organisational skills

- leadership
- good organisational and teamwork skills through collaboration in drawing up research projects and other activities

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- good communication skills gained through my previous teamwork experience
- good written and verbal presentation skills
- able to express oneself clearly
- telephone and email communication

JOB-RELATED SKILLS

Job-related skills

- adequately qualified due to my ambitions and capacities

- able to work on own without being constantly supervised
- able to provided what is needed, respecting the priorities
- motivated
- qualified to conceive and write papers and/or grant proposal
- able to perform statistical analysis, systematic review and meta-analysis
- skilled in clinical biochemistry and molecular analysis, particularly in DNA methylation and miRNA analysis

PUBLICATIONS

Publications

Scopus Metrics

Documents: 30

Citations: 415

H-index: 12

Single Nucleotide Polymorphisms in Vitamin D Receptor Gene Affect Birth Weight and the Risk of Preterm Birth: Results From the "Mamma & Bambino" Cohort and A Meta-Analysis

Barchitta M, Maugeri A, La Rosa MC, Magnano San Lio R, Favara G, Panella M, Cianci A, Agodi A. *Nutrients*. 2018 Aug 27;10(9):1172. doi: 10.3390/nu10091172. PMID: 30150529; PMCID: PMC6164379.

Nutrition and Wound Healing: An Overview Focusing on the Beneficial Effects of Curcumin

Barchitta M, Maugeri A, Favara G, Magnano San Lio R, Evola G, Agodi A, Basile G. *Int J Mol Sci*. 2019 Mar 5;20(5):1119. doi: 10.3390/ijms20051119. PMID: 30841550; PMCID: PMC6429075.

Dietary patterns and school performance: evidence from a sample of adolescents in Sicily, Italy

Barchitta M, Maugeri A, Agrifoglio O, Favara G, La Mastra C, La Rosa MC, Magnano San Lio R, Agodi A. *Ann Ig*. 2019 Mar-Apr;31(2 Supple 1):72-80. doi: 10.7416/ai.2019.2279. PubMed PMID: 30994166

The impact of social determinants and lifestyles on dietary patterns during pregnancy: evidence from the "Mamma & Bambino" study

Maugeri A, Barchitta M, Agrifoglio O, Favara G, La Mastra C, La Rosa MC, Magnano San Lio R, Panella M, Cianci A, Agodi A. *Ann Ig*. 2019 Mar-Apr;31(2 Supple 1):81-89. doi:10.7416/ai.2019.2280. PubMed PMID: 30994167.

Comparison of Self-Administered Web-Based and Interviewer Printed Food Frequency Questionnaires for Dietary Assessment in Italian Adolescents

Barchitta M, Maugeri A, Agrifoglio O, Favara G, La Mastra C, La Rosa MC, Magnano San Lio R, Agodi A. *Int J Environ Res Public Health*. 2019 Jun 1;16(11):1949. doi: 10.3390/ijerph16111949. PMID: 31159389; PMCID: PMC6604022.

Maternal Dietary Patterns Are Associated with Pre-Pregnancy Body Mass Index and Gestational Weight Gain: Results from the "Mamma & Bambino" Cohort

Maugeri A, Barchitta M, Favara G, La Rosa MC, La Mastra C, Magnano San Lio R, Agodi A. *Nutrients*. 2019 Jun 10;11(6). pii: E1308. doi: 10.3390/nu11061308. PubMed PMID: 31185656; PubMed Central PMCID: PMC6627583.

Dietary Patterns are Associated with Leukocyte LINE-1 Methylation in Women: A Cross-Sectional Study in Southern Italy

Barchitta M, Maugeri A, Magnano San Lio R, Favara G, La Rosa MC, La Mastra C, Quattrocchi A, Agodi A. *Nutrients*. 2019 Aug 9;11(8). pii: E1843. doi: 10.3390/nu11081843. PubMed PMID: 31395820; PubMed Central PMCID: PMC6722720.

Determinants of Adherence to the Mediterranean Diet: Findings from a Cross-Sectional Study in Women from Southern Italy

Maugeri A, Barchitta M, Fiore V, Rosta G, Favara G, La Mastra C, La Rosa MC, Magnano San Lio R, Agodi A. *Int J Environ Res Public Health*. 2019 Aug 17;16(16):2963. doi: 10.3390/ijerph16162963. PMID: 31426512; PMCID: PMC6720012.

Dietary Folate Intake and Folic Acid Supplements among Pregnant Women from Southern Italy: Evidence from the "Mamma & Bambino" Cohort

Barchitta M, Maugeri A, Magnano San Lio R, Favara G, La Mastra C, La Rosa MC, Agodi A. *Int J Environ Res Public Health*. 2020 Jan 19;17(2):638. doi: 10.3390/ijerph17020638. PMID: 31963813; PMCID: PMC7013905.

The Effects of Diet and Dietary Interventions on the Quality of Life among Breast Cancer Survivors: A Cross-Sectional Analysis and a Systematic Review of Experimental Studies

Barchitta M, Maugeri A, Magnano San Lio R, Quattrocchi A, Degrassi F, Catalano F, Basile G, Agodi A. *Cancers (Basel)*. 2020 Jan 30;12(2):322. doi: 10.3390/cancers12020322. PMID: 32019093; PMCID: PMC7072135.

Dietary Antioxidant Intake and Human Papillomavirus Infection: Evidence from a Cross-Sectional Study in Italy

Barchitta M, Maugeri A, La Mastra C, Rosa MC, Favara G, Magnano San Lio R, Agodi A. *Nutrients*. 2020 May 12;12(5):1384. doi: 10.3390/nu12051384. PMID: 32408636; PMCID: PMC7284420.

Predicting needlestick and sharps injuries in nursing students: Development of the SNNIP scale

Bagnasco A, Zanini M, Catania G, Watson R, Hayter M, Dasso N, Dini G, Agodi A, Pasquarella C, Zotti CM, Durando P, Sasso L, Barchitta M, Maugeri A, Favara G, Lio RMS, Rossini A, Squeri R, Genovese C, D'Amato S, La Fauci V, Tardivo S, Moretti F, Carli A, Casini B, Baggiani A, Verani M, Giuliani AR, Fabiani L, D'Eugenio S, Boccia G, Santoro E, Orsi GB, Napoli C, Montesano M, Berdini S, Bertamino E, Perre A, Zerbetto A, D'Errico M, Ortolani S, Mercuri M, Traini T, Santarelli A, Fiorentini R, Benedetti T, Montagna MT, Mascipinto S, Torre I, Pennino F, Schiavone D, Iannicelli AM, Tartaglia E, Veronesi L, Palandri L, Morgado MSM, Giudice L, Arrigoni C, Gentile L, Bascapè B, Mura I, Sotgiu G, Barberis I, Bersi FM, Manca A, Massa E, Montecucco A, Rahmani A, Zacconi S, Riccò M, Magnavita N, Di Prinzi RR, Torregrossa MV, Calamusa G, Firenze A, Bargellini A, Ferri P, Righi E, Carraro E, Borraccino A, Traversi D, Ottino MC, Baldovin T, Torre SD, Sulaj A, Bianco A, Teti V, Novati R, Oriani R. *Nurs Open*. 2020 Jun 28;7(5):1578-1587. doi: 10.1002/nop.2.540. PMID: 32802379; PMCID: PMC7424443.

Adherence to the Mediterranean diet partially mediates socioeconomic differences in leukocyte LINE-1 methylation: evidence from a cross-sectional study in Italian women

Maugeri A, Barchitta M, Magnano San Lio R, Favara G, La Rosa MC, La Mastra C, Basile G, Agodi A. *Sci Rep.* 2020 Sep 1;10(1):14360. doi: 10.1038/s41598-020-71352-9. PMID: 32873815; PMCID: PMC7463235.

Cluster analysis identifies patients at risk of catheter-associated urinary tract infections in intensive care units: findings from the SPIN-UTI Network

Barchitta M, Maugeri A, Favara G, Riela PM, La Mastra C, La Rosa MC, Magnano San Lio R, Gallo G, Mura I, Agodi A; SPIN-UTI Network. *J Hosp Infect.* 2021 Jan;107:57-63. doi: 10.1016/j.jhin.2020.09.030. Epub 2020 Oct 2. PMID: 33017617

Epigenetic Aging and Colorectal Cancer: State of the Art and Perspectives for Future Research

Maugeri A, Barchitta M, Magnano San Lio R, Li Destri G, Agodi A, Basile G. *Int J Mol Sci.* 2020 Dec 28;22(1):200. doi: 10.3390/ijms22010200. PMID: 33379143; PMCID: PMC7795459.

. The Impact of Socio-Demographic Factors on Breastfeeding: Findings from the "Mamma & Bambino" Cohort

Magnano San Lio R, Maugeri A, La Rosa MC, Cianci A, Panella M, Giunta G, Agodi A, Barchitta M. *Medicina (Kaunas).* 2021 Jan 24;57(2):103. doi: 10.3390/medicina57020103. PMID: 33498814; PMCID: PMC7912184.

Vaccination Status of Mothers and Children from the 'Mamma & Bambino' Cohort

Barchitta M, Maugeri A, Magnano San Lio R, La Rosa MC, La Mastra C, Favara G, Giunta G, Cianci A, Agodi A. *Vaccines (Basel).* 2021 Feb 17;9(2):168. doi: 10.3390/vaccines9020168. PMID: 33671412; PMCID: PMC7921954.

Antioxidant and inflammatory potential of diet among women at risk of cervical cancer: findings from a cross-sectional study in Italy

Maugeri A, Barchitta M, Magnano San Lio R, Scalisi A, Agodi A. *Public Health Nutr.* 2021 May 7:1-9. doi: 10.1017/S1368980021001944. Epub ahead of print. PMID: 33958013.

The Effect of Alcohol on Telomere Length: A Systematic Review of Epidemiological Evidence and a Pilot Study during Pregnancy

Maugeri A, Barchitta M, Magnano San Lio R, La Rosa MC, La Mastra C, Favara G, Ferlito M, Giunta G, Panella M, Cianci A, Agodi A. *Int J Environ Res Public Health.* 2021 May 10;18(9):5038. doi: 10.3390/ijerph18095038. PMID: 34068820; PMCID: PMC8126216.

The Relationship between Body Mass Index, Obesity, and LINE-1 Methylation: A Cross-Sectional Study on Women from Southern Italy

Maugeri A, Barchitta M, Magnano San Lio R, Favara G, La Mastra C, La Rosa MC, Agodi A. *Dis Markers.* 2021 Dec 3;2021:9910878. doi: 10.1155/2021/9910878. PMID: 34900031; PMCID: PMC8664509.

The Relationship between Telomere Length and Gestational Weight Gain: Findings from the Mamma & Bambino Cohort

Maugeri A, Magnano San Lio R, La Rosa MC, Giunta G, Panella M, Cianci A, Caruso MAT, Agodi A, Barchitta M. *Biomedicines.* 2021 Dec 30;10(1):67. doi: 10.3390/biomedicines10010067. PMID: 35052747; PMCID: PMC8773008.

Development of a Web-App for the Ecological Momentary Assessment of Dietary Habits among College Students: The HEALTHY-UNICT Project

Barchitta M, Maugeri A, Favara G, Magnano San Lio R, Riela PM, Guarnera L, Battiato S, Agodi A. *Nutrients*. 2022 Jan 13;14(2):330. doi: 10.3390/nu14020330. PMID: 35057511; PMCID: PMC8779738.

Nutrient intakes and telomere length of cell-free circulating DNA from amniotic fluid: findings from the Mamma & Bambino cohort

Magnano San Lio R, Maugeri A, La Rosa MC, Giunta G, Panella M, Cianci A, Caruso MAT, Agodi A, Barchitta M. *Sci Rep*. 2022 Jul 8;12(1):11671. doi: 10.1038/s41598-022-15370-9. PMID: 35804173; PMCID: PMC9270384.

The Impact of the COVID-19 Pandemic on Dietary Patterns of Pregnant Women: A Comparison between Two Mother-Child Cohorts in Sicily, Italy

Magnano San Lio R, Barchitta M, Maugeri A, La Rosa MC, Giunta G, Panella M, Cianci A, Galvani F, Pappalardo E, Ettore G, Agodi A. *Nutrients*. 2022 Aug 17;14(16):3380. doi: 10.3390/nu14163380. PMID: 36014886; PMCID: PMC9416210.

Comparison of Quantitative Real-Time PCR and Digital PCR to Detect the Polyomavirus in Merkel Cell Carcinoma

Barchitta M, Maugeri A, Campisi E, Magnano San Lio R, Favara G, Soto Parra HJ, Salvatorelli L, Magro G, Basile G, Agodi A. *Viruses*. 2022 Oct 5;14(10):2195. doi: 10.3390/v14102195. PMID: 36298750; PMCID: PMC9610963.

Impact of Eating Context on Dietary Choices of College Students: Evidence from the HEALTHY-UNICT Project

Maugeri A, Magnano San Lio R, Favara G, La Rosa MC, La Mastra C, Riela PM, Guarnera L, Battiato S, Barchitta M, Agodi A. *Nutrients*. 2022 Oct 21;14(20):4418. doi: 10.3390/nu14204418. PMID: 36297101; PMCID: PMC9609717.

Do Nutrients and Nutraceuticals Play a Role in Diabetic Retinopathy? A Systematic Review

Milluzzo A, Barchitta M, Maugeri A, Magnano San Lio R, Favara G, Mazzone MG, Sciacca L, Agodi A. *Nutrients*. 2022 Oct 21;14(20):4430. doi: 10.3390/nu14204430. PMID: 36297113; PMCID: PMC9612209.

The Application of Clustering on Principal Components for Nutritional Epidemiology: A Workflow to Derive Dietary Patterns

Maugeri, A.; Barchitta, M., Favara, G., La Mastra, C., La Rosa, M.C., Magnano San Lio, R., Agodi, A. The Application of Clustering on Principal Components for Nutritional Epidemiology: A Workflow to Derive Dietary Patterns. *Nutrients* 2023, 15, 195. <https://doi.org/10.3390/nu15010195>

Preoperative Risk Factors for Conversion from Laparoscopic to Open Cholecystectomy: A Systematic Review and Meta-Analysis

Magnano San Lio, R., Barchitta, M., Maugeri, A., Quartarone, S., Basile, G., Agodi, A.. *Int. J. Environ. Res. Public Health* 2023, 20, 408. <https://doi.org/10.3390/ijerph20010408>

How Antimicrobial Resistance Is Linked to Climate Change: An Overview of Two Intertwined Global Challenges

Magnano San Lio, R.; Favara, G.; Maugeri, A.; Barchitta, M.; Agodi, A. Int. J. Environ. Res. Public Health 2023, 20, 1681. <https://doi.org/10.3390/ijerph20031>

Catania, 6 marzo 2023

Firma

A handwritten signature in black ink, appearing to read "Roberto Magnano San Lio". The signature is written in a cursive style with some loops and flourishes.

