

# Curriculum Vitae - Andrea Angius

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Name Surname: *Andrea Angius*

Degree: *Biological Sciences*

Nationality: *Italian*

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## **Output Index**

Google Scholar Profile: <https://scholar.google.it/citations?user=C63GioQAAAAJ&hl=it>

Google Scholar H Index: 46      Scopus H Index: 40

ORCID profile: [orcid.org/0000-0003-2596-6461](https://orcid.org/0000-0003-2596-6461)

## **Current Position (May 2025)**

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### **Researcher Director**

Department/Institute/Institution: *Department of Biomedicine - Institute of Biomedical and Genetic Research - National Research Council (CNR)* Street Address: *Cittadella Universitaria di Monserrato, S.S. 554 bivio per Sestu Km 4,500* Zip code City: *09042 Monserrato (CA)*  
Province/Country: *Cagliari, Italy*

### **Research areas**

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*Genetics, Medical Genetics, Molecular Diagnostics, Molecular Biology, Molecular Genetics, Population Genetics, Population Biology, Evolutionary Developmental Biology, Evolutionary Genetics, Cancer Biology, Biomarkers, Human Cancer, Biotechnology, Plant Molecular Biology and Genetics*

### **Research activities**

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The products and degrees in this CV provide an overview of my scientific activities as a whole with reference to my work as head of a research group that employs state-of-the-art laboratory methodologies together with bioinformatics and genetic statistics skills in a framework of integrated analyses aiming at an interdisciplinary approach. A number of titles and products best represent my recent activities and ongoing projects focused on interomic analysis for molecular dissection of rare diseases and cancers. Thanks to the integrated approach of genomics, transcriptomics and, more recently, metabolomics, we are also able with high expertise to address several biological diseases/phenomena highlighting their multidisciplinary fingerprint in the field of personalized medicine. Some of my products best illustrate my professional journey from single-gene to complex disease/trait studies and highlight my role in international projects (e.g., 1000 genomes, ProgeNIA, Horizon 2020, etc.) that have involved the collaboration of several research centers around the world and set the stage for a deeper understanding of the functional significance and differences that define the genetic fingerprint/profile of each individual.

I have contributed more than 100 peer-reviewed publications to the scientific literature, including original articles, reviews and book chapters.

My scientific interests are focused on the study of the genetics of rare Mendelian diseases, cancer, complex diseases, population genetics studies and participation in international massive sequencing projects (1000 Genomes Project Consortium, etc.).

The recent results of these projects have allowed to:

- establish the Sardinian genome reference to be used in genome wide association analysis approaches for the study of complex diseases in Sardinia (e.g. diabetes, multiple sclerosis, etc.) (Nat Genet. 2015;47(11):1272-81.; Nat Genet. 2015;47(11):1264-71; Nat Genet. 2015;47(11):1352-6). (in collaboration with University of Michigan, USA and The National Institute on Aging (NIA), USA)
- Sequencing of the entire coding portion (exome) of the genome of hundreds of individuals with complex autoimmune diseases, intellectual disability, various rare Mendelian diseases, and syndromic forms (e.g., Crisponi syndrome, Rubinstein Taybi syndrome, Menke-Hennekam syndrome, Au-Kline, etc.) (Clin Genet. 2025 Apr 30. doi: 10.1111/cge.14763; BMC Ophthalmol. 2024 Jul 23;24(1):306; HGG

Adv. 2024 Jul 18;5(3):100287; Clin Genet. 2019 May;95(5):607-614; BMC Med Genet. 2019 Jan 14;20(1):16; Clin Genet. 2018.doi:10.1111/cge.13162; Clin Immunol. 2017;183:273-277; Am J Hum Genet. 2016;99(1):236-245). (in collaboration University of Bologna, Genova, Turin, Sassari and IRCCS Humanitas Institute, Italy.)

- Sequencing of the transcriptome of approximately 1000 individuals to examine expression profiles associated with complex diseases from a qualitative and quantitative (eQTL) perspective and more than 1500 samples from different subpopulations screened by cytofluorimetry (Front Immunol. 2024 Apr 2;15:1350111; Nat Genet. 2017;49(5):700-707). (in collaboration with Stanford and Michigan University, USA).

- perform population genetics and phylogeny studies on mitochondrial and Y-chromosome DNA aimed at dating the Sardinian population and human settlement in the Mediterranean area and Europe of modern Homo sapiens (Science, 2013;341(6145):565-9; Mol Biol Evol. 2017 1;34(5):1230-1239; Nat Genet. 2018 Oct;50(10):1426-1434; Sci Adv. 2019 Sep 4;5(9):eaaw3492). (in collaboration with University of Sassari, Pavia and Chicago, USA).

- perform transcriptome and miRNA analysis studies in breast and colorectal cancer using innovative massive sequencing approaches (Int J Mol Sci. 2024 Jul 24;25(15):8044; Sci Rep. 2023 Aug 8;13(1):12869; J Cancer Res Clin Oncol. 2023 Jul;149(7):3951-3963; Cancers (Basel). 2020 Nov 7;12(11):3298; Sci Rep. 2020 Jan 16;10(1):432; Int J Med Sci. 2019 Oct 11;16(11):1480-1491; Int J Mol Sci. 2019;20;20(16); Int J Med Sci 2018; 15(6):536-548, etc.) (in collaboration University of Sassari and Cagliari).

### **Education and training**

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**1992** - University of Cagliari, Italy: *Master Degree in Biology*

**1999** - University of Sassari, Italy: *Ph.D in Biochemistry and Molecular Biology*

*Dissertation: Molecular genetics of glaucoma: from genetics to clinical applications*

### **Positions and Employments**

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**2023-up to present** - *Permanent position, Head of Research National Research Council (CNR), Institute of Biomedical and Genetic Research, Monserrato, Cagliari (Italy).*

**2013- up to 2024** *Adjunct Associate Professor in Biotechnologies, Faculty of Veterinary Medicine, University of Sassari, Sassari (Italy).*

**2021-up to 2022** - *Permanent position, Lead Researcher National Research Council (CNR), Institute of Biomedical and Genetic Research, Monserrato, Cagliari (Italy).*

**2011-2020** - *Permanent position, Researcher National Research Council (CNR), Institute of Biomedical and Genetic Research, Monserrato, Cagliari (Italy).*

**2010-2019:** *Adjunct Associate Professor in Medical Genetics, Department of Biomedical Science University of Sassari, Sassari (Italy).*

**2010-2014** - *Head and Scientific Coordinator of the Next Generation Sequencing Core, CRS4, Pula (Cagliari) (Italy).*

**2001-2011** - *Researcher National Research Council (CNR), Institute of Population Genetics, Alghero, Sassari (Italy).*

**2006-2010** - *Head and Scientific Coordinator of the Genotyping Laboratory, Sardegna Ricerche "Polaris" Scientific and Technological Park of Sardinia, Pula (Cagliari) (Italy).*

**2002-2006** - *Lab Manager Genotyping laboratory, Soc. SHARDNA Life Sciences, Cagliari, (Italy).*

**2000-2001** - *Fixed-term Researcher, Institute of Molecular Genetics, of the National Council of Research (CNR), Alghero (Italy).*

**1996-1999** - *Ph. D. Faculty of Biology, University of Sassari, Sassari (Italy).*

**1995-1996** - *CNR fellowship, Institute of Research of Mediterranean Anemia and Thalassemia, National Research Council (CNR), Cagliari (Italy).*

**1992-1994** - *Post-doctoral fellowship. Laboratory of Molecular Pathology, Ospedale regionale per le Microcitemie, Cagliari (Italy).*

1990-1992 - Undergraduate student. Department of Sperimental Biology, University of Cagliari, Cagliari (Italy).

### **Teaching**

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Dr. Angius have been involved in teaching activities as Associate Professor at Universities, graduate schools, at specialized courses and in seminars intended to introduce the public audience to the most advanced scientific results. He had a Mentorship experience as tutor with PhD, Master and University students at the University of Cagliari, Sassari and Turin. Dr. Angius is currently a member of the Board of Teachers of the School of Doctorate in Biomedical Sciences (Medical Genetics, Metabolic Diseases and Nutrigenomics) and previously of the Board of Teachers of the School of Doctorate in Biomolecular and Biotechnological Sciences, certified by approved by the Italian Ministry of University Research

**2017 – 2028 Qualified as Associate Professor in Medical Genetics for Italian Universities**

(Abilitazione Scientifica Nazionale alle funzioni di professore di II fascia nel settore concorsuale 06/A1 ai sensi del DD n. 222/2012)

**2014 – 2025 Qualified as Associate Professor in Genetics and Microbiology for Italian**

*Universities* (Abilitazione Scientifica Nazionale alle funzioni di professore di II fascia nel settore concorsuale 05/I1 ai sensi del DD n. 222/2012)

### **Academic courses**

**2013-14 up to 2024 (10 courses/academic years) – Course “Genotyping Technics and Genetic Expression”, Degree in Medical and Veterinary Biotechnologies, Faculty of Veterinary, University of Sassari (Italy).**

**2010-11 to 2019 (9 courses/academic years) – Course “Medical Genetics”, Degree in Exp. and Applied Biology, Faculty of Math., Phys. and Nat. Science, University of Sassari (Italy).**

**2010-11 to 2013-13 (3 courses/academic years) - Course “Genotyping Technics”, Degree in Medical and Veterinary Biotechnologies, Faculty of Veterinary, University of Sassari (Italy).**

**2006-07 to 2010-11 (5 courses/academic years) – Course “Human Genetics”, Degree in Biological Sciences, Faculty of Math., Phys. and Nat. Science, University of Sassari (Italy).**

**2003-2004 (1 course/academic year) – Course “Basic Element of Genetics and laboratory”, Degree in Biological Sciences, Faculty of Mathematical, Physical and Natural Science, University of Sassari (Italy).**

### **Masters courses**

**2012-13 /2013-14 (2 courses/academic years) - Course “Genetics and Technics of Genetic Characterization”, International Master in Medical Biotechnology, Hue University of Medicine and Pharmacy, (Vietnam)**

**2007- Master in R&S in Medical Biotechnology, Ed. 2007, Sardegna Ricerche “Polaris” Scientific and Technological Sardinia Park, Pula (CA) (Italy)**

### **Membership of the college of PhD teachers recognized by MIUR**

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Board of Lecturers of the PhD Course in Biomedical Sciences in Medical Genetics, Metabolic Diseases and Nutrigenomics, certified by MIUR, University of Sassari from XXIX cycle (a.a. 2013-2014) up to present.

Board of Lecturers of the PhD Course in Biomolecular and Biotechnological Sciences, certified by MIUR, University of Sassari from the XXVI cycle (a.a. 2010/11) to XXIII (a.a. 2012/13).

### **Grants and participation in national and international research projects**

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Dr. Angius has been involved in the drafting and management of the project both as a responsible and collaborator in various regional, national, and international research projects eligible for funding based on competitive calls for proposals, as described in detail below.

### **Principal investigator or head of operating unit on scientific projects**

1-years research grant funded by Fondo di Beneficenza, Intesa Sanpaolo S.p.A.” Progetto: CROME: Colorectal cancer Research via Omics integration: Microbiome, miRNA, and Expression profiling. GRANT\_NUMBER: B/2025/0352 – Role: Principal Investigator

2 - years research project funded by Lega italiana per la lotta contro i tumori. " Studio dell'eterogeneità del carcinoma prostatico come chiave per la dissezione dei sottotipi cellulari che lo caratterizzano." 2024U0001294 - Role: Principal Investigator

2 - years research project funded by Ministero dell'Istruzione, dell'Università e della Ricerca. PRIN 2022 "DETECT DEciphering geneTic hEterogeneity in ColorecTal cancer: in situ and circulating cell subtypes identification" 2022WBLA3Z - Role: Principal Investigator

2 -years research project funded by Ministero della Salute PNRR: M6/C2\_CALL 2022 "Definition of a personalized signature of chronic inflammation and early aging predictive of the development of comorbidities in infertile men -Role: Unit Responsible

3-year research grant funded by Ministero dell'Istruzione, dell'Università e della Ricerca. PRIN 2020: Unveiling the hidden side of NEUrodevelopmental DIorder Genetics (NEUDIG): a multidisciplinary pathway to new molecular diagnoses by integrating genomic, transcriptomic, and functional analyses. GRANT NUMBER: 20203P8C3X - Role: Unit Responsible

1-year research grant funded by Fondazione Sardegna” Sviluppo di un pannello di marcatori immunoistochimici ed epigenetici a scopo predittivo nella terapia del carcinoma mammario “Triplo Negativo”” GRANT\_NUMBER: 2021.0494 – Role: Principal Investigator

2-years research grant funded by Fondo di Beneficenza, Intesa Sanpaolo S.p.A.” (PREDICT) PREcision meDicine In ColorecTal cancer: new clinical-genomic network for expanding tailored oncologic care” GRANT\_NUMBER: B/2020/0094 – Role: Principal Investigator

2-years research grant funded by Telethon for the project entitled " Post GWAS functional characterization of BCL11A locus toward the development of a treatment for  $\beta$ -thalassemia". Telethon Grant 2013 GGP13246 – Role: Unit Responsible

6-years research grant funded by Ministero dell'Istruzione, dell'Università e della Ricerca. FIRB Laboratori 2003: for the project entitled “Identificazione di geni-malattia mediante genotipizzazione ad alta densità di popolazioni”. – Role: Unit Responsible

### **Scientific leader or collaborator on scientific projects**

2-years research grant funded by Fondazione Banco di Sardegna ROL 2019 Bando “Salute pubblica, medicina preventiva e riabilitativa” for the project entitled” Prevenzione e diagnosi precoce del carcinoma del colon-retto: sviluppo di un panel di marcatori molecolari da biopsia liquida” GRANT\_NUMBER 30362–Role: Coordinator of NGS data generation and analysis

2-years research grant funded by Bando competitivo Fondazione di Sardegna – 2017 per progetti di ricerca con revisione tra pari” for the project entitled “Personalized Care in Colorectal Cancer: building a new clinical-genomic network for tailoring genotype and phenotype” –Role: Coordinator of NGS data generation and analysis

4-years research grant funded by MIUR for the project entitled “PATH - Pathology in Automated Traceable Healthcare” PON04a2\_00557 - Decreto n. 428 del 27/02/2017 Role: Key Personell

5-years research grant funded by European Framework Programme for Research and Innovation HORIZON 2020, “An integrated approach to dissect determinants, risk factors and pathways of ageing of the immune system”. European Community Grant –Role: Coordinator of NGS data generation and analysis

1-year research grant funded by Telethon for the project entitled “Identification of novel gene(s) associated with Crisponi/Cold Induced Sweating syndrome-like phenotypes by exome sequencing”. Telethon Grant 2013 GEP13093 - Role: Coordinator of NGS data generation and analysis

2-year research grant funded by Autonomous Region of Sardinia entitled “Unravelling the genetic causes of syndromic Intellectual Disability in the era of exome sequencing”. - Role: Coordinator of NGS data generation and analysis

5-years research grant funded by Ministero dell'Istruzione, dell'Università e della Ricerca. for the project entitled "Identificazione di fattori genetici associati a malattie multifattoriali comuni tramite un originale approccio allo studio di isolati genetici" (Art. 5 del D.M. 593 8 agosto 2000) - Role: Collaborator

3 years research grant funded by Telethon Fondazione Onlus for the project entitled "Sardinian Isolated Population For The Study of Complex Traits". Telethon Grant E 1185 – Role: Collaborator

2 years research grant funded by Regione Autonoma della Sardegna. for the project entitled "Studio della componente genetica e nutrizionale nell'insorgenza di malattie complesse" POR Sardegna 2000-2006, deliberazione Giunta Regionale della Sardegna n.27/30 del 7/08/2001. – Role: Collaborator

2 years research grant funded by Regione Autonoma della Sardegna for the project entitled "Identificazione di geni associati a malattie multifattoriali con alto impatto socio-economico: Ipertensione arteriosa essenziale e Alopecia androgenetica". Determinazione n. 107 del 22/06/2005. – Role: Collaborator

1,5 year research grant funded by Regione Autonoma della Sardegna for the project entitled “Metodologie computazionali ibride per l’analisi statistica del flusso genico in grandi Dataset”.PON “Ricerca, Sviluppo Tecnologico ed Alta Formazione” 2000-2006 per le Regioni dell’ obiettivo 1 Decreto 192/Ric del 04/12/2007 – Role: Collaborator

2 years research grant funded by Regione Autonoma della Sardegna for the project entitled “Infrastruttura bioinformatica per un approccio “system biology” alle malattie complesse”. Programma di R&S "Tecnologie bio-informatiche applicate alla medicina personalizzata" Bando di selezione N. 364.173 A – Role: Collaborator

## **Events organized**

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*Dr. Angius organized the following courses:*

September 16–20, 2019 - 8° Sardinian International Summer School “From Genomic discoveries to therapeutic targets” Pula, Cagliari, <http://www.irgb.cnr.it>

July 9–13, 2018 - 7° Sardinian International Summer School "From genome-wide association studies (GWAS) to Function" Pula, Cagliari, <http://www.irgb.cnr.it>

June 12–16, 2017 - 6° Sardinian International Summer School "From genome-wide association studies (GWAS) to Function" Pula, Cagliari, <http://www.irgb.cnr.it>

June 20–24, 2016 - 5° Sardinian International Summer School "From genome-wide association studies (GWAS) to Function" Pula, Cagliari, <http://www.irgb.cnr.it>

June 22–26, 2015, - 4° Sardinian International Summer School "From genome-wide association studies (GWAS) to Function" Pula, Cagliari, <http://www.irgb.cnr.it>

## **Non-Institutional Scientific activities (editorial and reviewer activity)**

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*Editor for International Journal of Molecular Sciences [ISSN 1422-0067]*

*Editor for BMC Genomics [ISSN: 1471-2164]*

*Editor for Frontiers in Oncology [ISSN: 2234-943X]*

*Scientific reviewer for the following journals:* Journal of Medical Genetics, Journal of Endocrinological Investigation, Biological Conservation, American Journal of Human Genetics, BMC Genomics, International Journal of Genomics, BMC Medical Genetics, Case Report in Genetics, PloS ONE Journal, Nutrition, Expert Opinion on Orphan Drugs, Metabolism & Cardiovascular Diseases, Gene, Chemical Senses, Journal of Biotechnology, IOVS, Clinical Genetics,

## Awards and Honors

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Cossu S, Angius A, Oppo M, Onano S, Persico I, Uva P, Cuccuru G, Asunis M, Pruna D, Crisponi L. Fenotipo epilettico in due fratelli con mutazioni nel gene NALCN. 40° Congresso Nazionale Lega Italiana Contro l'Epilessia (LICE), Roma, Italy, June 7-9 2017 (Prize for the best scientific contribution)

Pira G, Angius A, Uva P, Cossu Rocca P, Sanges F, Loi F, Ena S, Murgia L, Carru C, Muroi MR, DeMiglio MR. MiRNA-135b contributes to triple negative breast cancer molecular heterogeneity: different expression profile in basal-like vs non basal-like. 48° Congresso Nazionale Società Italiana di Biochimica Clinica e Biologia Molecolare Clinica (SIBioC). Torino 18-20 ottobre 2016 (Prize Best Poster SIBioC)

Concas A, Cusano R, Orsini M, Costelli C, Cao A, Angius A. Microalgae based technology for biofuels production and CO2 capture: the role of mathematical modeling and genetic engineering. Accademia Nazionale dei Lincei – Fondazione ENI Enrico Mattei, XXXI Giornata dell'ambiente. Convegno Internazionale: The TeraWatt challenge: What research for our future energy? 5 - 6 Novembre 2013 (Prize Best Poster)

## List of publications

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1. Coradduzza D, Cruciani S, Sibono L, Tedde A, Zinellu A, Maioli M, Cogoni AA, De Miglio MR, Medici S, Madonia M, **Angius A**, Grosso M, Carru C. Diagnostic relevance of Humanin, GAS5 and miR-21/miR-103 in prostate disease risk stratification. *Clin Exp Med* 2025
2. Mingoia M, Meloni A, Sedda S, Choufani S, Asunis I, Gemma G, Ammendola A, Torabi-Marashi A, di Venere E, Squeo GM, Rallo V, Marini MG, Moi P, Savasta S, Weksberg R, Merla G, **Angius A**. A Novel Intronic Variant in the KH3 Domain of HNRNPK Leads to a Mild Form of Au-Kline Syndrome. *Clin Genet*. 2025 Apr 30. doi: 10.1111/cge.14763.
3. Serra R, Pinna A, **Angius A**, Rallo V, Marongiu M, Launer L, Gorospe M, Schlessinger D, Coscas F, Fiorillo E, Cucca F. Vascular density normative data of radial peripapillary capillary plexus in healthy Caucasian subjects. *Graefes Arch Clin Exp Ophthalmol*. 2024 Aug 30. doi: 10.1007/s00417-024-06623-6.
4. Atzeni R, Massidda M, Pieroni E, Rallo V, Pisu M, **Angius A**. A novel affordable and reliable framework for accurate detection and comprehensive analysis of somatic mutations in cancer. *Int. J. Mol. Sci*. 2024, 25(15), 8044; <https://doi.org/10.3390/ijms25158044>
5. Serra R, Rallo V, Steri M, Olla S, Piras MG, Marongiu M, Gorospe M, Schlessinger D, Pinna A, Fiorillo E, Cucca F, **Angius A**. A large-scale screening identified in USH2A gene the P3272L founder pathogenic variant explaining familial Usher syndrome in Sardinia, Italy. *BMC Ophthalmol*. 2024 Jul 23;24(1):306. doi: 10.1186/s12886-024-03578-4.
6. Haghshenas S, Bout HJ, Schijns JM, Levy MA, Kerkhof J, Bhai P, McConkey H, Jenkins ZA, Williams EM, Halliday BJ, Huisman SA, Lauffer P, de Waard V, Witteveen L, Banka S, Brady AF, Galazzi E, van Gils J, Hurst ACE, Kaiser FJ, Lacombe D, Martinez-Monseny AF, Fergelot P, Monteiro FP, Parenti I, Persani L, Santos-Simarro F, Simpson BN; MKHK Research Consortium (including **A Angius**); Alders M, Robertson SP, Sadikovic B, Menke LA. Menke-Hennekam syndrome; delineation of domain-specific subtypes with distinct clinical and DNA methylation profiles. *HGG Adv*. 2024 Mar 29;5(3):100287. doi: 10.1016/j.xhgg.2024.100287.
7. Forabosco P, Pala M, Crobu F, Diana MA, Cusano R, **Angius A**, Steri M, Marongiu M, Orrù V, Schlessinger D, Fiorillo E, Devoto M, Cucca F. Transcriptome organization of white blood cells through gene co-expression network analysis in a large RNA-seq dataset. *Front. Immunol. Sec. Systems Immunology* 2024, 5;15. doi: 10.3389/fimmu.2024.1350111
8. Coradduzza D, Medici S, Chessa C, Zinellu A, Madonia M, **Angius A**, Carru C, De Miglio MR. Assessing the Predictive Power of the Hemoglobin/Red Cell Distribution Width Ratio in Cancer: A Systematic Review and Future Directions. *Medicina* 2023, 59, 2124. <https://doi.org/10.3390/medicina59122124>
9. Wen X, Coradduzza D, Shen J, Scanu AM, Muroi MR, Massidda M, Rallo V, Carru C, **Angius A**, De Miglio MR. Harnessing Minimal Residual Disease as a Predictor for Colorectal Cancer: Promising Horizons Amidst Challenges. *Medicina* 2023, 59(10), 1886; <https://doi.org/10.3390/medicina59101886>
10. Orrù S, Pascariello E, Pes B, Rallo V, Barbara R, Muntoni M, Notari F, Fancello G, Mocchi C, Muroi MR, Cossu-Rocca P, **Angius A**, De Miglio MR. Biomarker dynamics affecting neoadjuvant therapy response and outcome of HER2-positive breast cancer subtype. *Sci Rep*. 2023 Aug 8;13(1):12869. doi: 10.1038/s41598-023-40071-2.
11. Coradduzza D, Arru C, Culeddu N, Congiargiu A, Azara EG, Scanu AM, Zinellu A, Muroi MR, Rallo V, Medici S, Carru C, **Angius A**, De Miglio MR. Quantitative Metabolomics to Explore the Role of Plasma Polyamines in Colorectal Cancer. *Int J Mol Sci*. 2022 Dec 21;24(1):101. doi: 10.3390/ijms24010101.
12. Serra R, Rallo V, Pinna A, Steri M, Piras MG, Marongiu M, Coscas F, Gorospe M, Schlessinger D, Fiorillo E, Cucca F, **Angius A**. Polygenic risk score and biochemical/environmental variables predict a low-risk profile of age-related macular degeneration in Sardinia. *Graefes Arch Clin Exp Ophthalmol*. 2022 Oct 20. doi: 10.1007/s00417-022-05858-5.
13. **Angius A**, Pira G, Cossu-Rocca P, Sotgiu G, Saderi L, Muroi MR, Viridis P, Piras D, Vincenzo R, Carru C, Coradduzza D, Uras MG, Cottu P, Fancellu A, Orru S, Uva P, De Miglio MR (2022). Deciphering clinical

- significance of BCL11A isoforms and protein expression roles in triple-negative breast cancer subtype. *Journal of Cancer Research and Clinical Oncology*, p. 1-13, ISSN: 0171-5216, doi: 10.1007/s00432-022-04301
14. Serra R, Coscas F, **Angius A**, Pinna A. Multiple bilateral retinal astrocytic hamartomas in Usher syndrome. *J Fr Ophthalmol*. 2022 Mar;45(3):363-364. doi: 10.1016/j.jfo.2021.09.017.
  15. Muroi MR, Ribback S, Sotgiu G, Kroeger N, Saderi L, **Angius A**, Cossu-Rocca P, De Miglio MR. Prognostic Impact of Membranous/Nuclear Epidermal Growth Factor Receptor Localization in Clear Cell Renal Cell Carcinoma. *Int J Mol Sci*. 2021 Aug 14;22(16):8747. doi: 10.3390/ijms22168747.
  16. **Angius A**, Scanu MS, Arru C, Muroi MR, Rallo V, Deiana G, Ninniri MC, Carru C, Porcu A, Pira G, Uva P, Cossu-Rocca P, De Miglio MR. Portrait of cancer stem cells on colorectal cancer: molecular biomarkers, signaling pathways and miRNAome. *Int. J. Mol. Sci*. 2021, 22(4), 1603; <https://doi.org/10.3390/ijms22041603>
  17. Baragetti A, Severgnini M, Olmastroni E, Conca Dioguardi C, Mattavelli E, **Angius A**, Rotta L, Cibella J, Consolandi C, Grigore L, Pellegatta F, Giavarini F, Caruso D, Norata GD, Catapano AL, Peano C. Gut Microbiota Functional Dysbiosis Relates to Individual Diet in Subclinical Carotid Atherosclerosis. *Nutrients* 2021, 13, 304. doi.org/10.3390/nu13020304
  18. Baragetti A, Severgnini M, Olmastroni E, Caredda G, Conca Dioguardi C, **Angius A**, Rotta L, Grigore L, Pellegatta F, Norata DG, Catapano AL, Peano C. Gut microbiota composition and functional relevance in subclinical carotid atherosclerosis. *Atherosclerosis* Volume 315, 2020, e21. doi.org/10.1016/j.atherosclerosis.2020.10.076
  19. **Angius A**, Cossu-Rocca P, Arru C, Muroi MR, Rallo V, Carru C, Uva P, Pira G, Orr/π S, De Miglio MR. Modulatory Role of microRNAs in Triple Negative Breast Cancer with Basal-Like Phenotype. *Cancers (Basel)*. 2020 Nov 7;12(11):3298. doi: 10.3390/cancers12113298
  20. Pira G, Uva P; Scanu A, Cossu Rocca P, Murgia L, Uleri E, Piu C, Porcu A, Carru C, Manca A, Ivana Persico I, Muroi MR, Sanges F, Dolei A, Serra C, **Angius A**, De Miglio MR. Landscape of transcriptome variations uncovering known and novel driver events in colorectal carcinoma. *Sci Rep*. 2020 Jan 16;10(1):432. doi: 10.1038/s41598-019-57311-z.
  21. Serra R, Floris M, Pinna A, Boscia F, Cucca F, **Angius A**. Novel mutations in c2orf71 causing an early onset form of cone-rod dystrophy: A molecular diagnosis after 20 years of clinical follow-up. *Mol Vis*. 2019; 25:814-820
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