

# FABRIZIO ANGIUS

*Curriculum Vitae et Studiorum*

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## RESEARCH AND WORK EXPERIENCE

**Nov 2023 – date** Associate Professor, Microbiology (Clinical), UniCa (IT)  
**Oct 2024 - Nov 2024** Visiting Professor, Department of Pediatrics and Infectious Diseases, Columbia University New York (US)  
**Nov 2020 – Oct 2023** Assistant Professor, Microbiology (Clinical), UniCa (IT)  
**Jul 2019 – Oct 2020** Research Fellow, *Innovative approaches for monitoring, diagnosis and therapeutic targets in neuroinflammatory and neurodegenerative diseases*, UniCa (IT)  
**Sep 2019 – Dec 2019** EMBO-ST-Fellow, *Breakthrough application of an innovative chimera-virus animal model of infection to investigate curative effect of sulfonamide derivatives against gamma-Herpesvirus induced malignancies*, Instituto de Microbiologia, Instituto de Medicina Molecular, Faculdade de Medicina, Universidade de Lisboa, Lisboa (PT)  
**Nov 2018 - Mar 2019** Research Fellow, *Development of antivirals for emerging pathogens*, UniCa (IT)  
**Feb 2016 - Sep 2017** Senior Post Doctoral Research Scientist, *Applied research in the area of pediatric infectious diseases focused on mechanisms of entry and membrane fusion mediated by Paramyxoviruses*, Department of Pediatrics and Infectious Diseases, Columbia University New York (US)  
**Apr 2016 - Jul 2016** Research Fellow, *Development of antivirals for emerging pathogens Ebola and Marburg. Creation of a small library of natural molecules and new synthetic compounds with antiviral activity*, funded by Cornell University, New York (US)  
**Jul 2014 - Jul 2015** Post-Doctoral Fellow, *Evaluation of the potential toxicity of lead-free low melting nano-powder alloys*, UniCa (IT)  
**May 2014 - Jun 2014** Guest researcher at University of Konstanz (DE)  
**Apr 2013 - Sep 2013** Research Fellow, *Study of the mechanisms by which infections can cause atherosclerotic vascular disease in healthy subjects or make it worse in patients with diabetes mellitus*, UniCa (IT)  
**Jan 2013 - Jun 2013** Research Fellow, *Development of new methods of diagnostic screening and functional rehabilitation to preventative medicine*, funded by UniCa and RGMD (IT)  
**May 2010 - May 2012** Principal Investigator, *Cholesterol metabolism and Alzheimer's Disease: further developments on the biochemical and molecular aspects of mononuclear blood cells and skin fibroblasts in the Sardinian population*, funded by the Autonomous Region of Sardinia (RAS)  
**Feb 2007 - Jan 2010** PhD student in Morphological Sciences at UniCa (IT)  
**Mar 2006 - Aug 2007** Laboratory Consultant, Cagliari (IT)  
**Sep 2005 - Feb 2006** Post-graduate internship, *Cannabinoid self-administration in rats: sex differences and the influence of ovarian function*, Dept of Neuroscience, UniCa (IT)  
**Oct 2004 - Jul 2005** Pre-graduate internship, Dept of Neuroscience, UniCa (IT)

## EDUCATION

- Sep 2015** Summer School: Prion and prion-like neurodegenerative disorders (Cagliari)
- Jan 2010** PhD in Morphological Sciences, UniCa (IT)  
Thesis: *Preliminary data by imaging methods on changes of intracellular cholesterol in Alzheimer's disease* (excellent feedback) - Supervisor: Prof G Diaz
- Nov 2005** Qualification as Biologist, State Examination at UniCa (score: 30/30)
- Jul 2005** Biological Sciences Degree 110/110 cum laude at the UniCa  
Thesis: *Different role of cannabinoid CB1 and opioid receptors in the mechanisms of relapse to heroin abuse* - Supervisor: Prof W Fratta
- Jul 1999** High school diploma at "San Giovanni Bosco Salesian Institute" (Cagliari)

### **TEACHING EXPERIENCE AND QUALIFICATION**

- 2023-date** MEDS-03/A, Microbiology and Virology, Dentistry, Faculty of Medicine (UniCa)
- 2023-date** MEDS-03/A, General Clinical Microbiology, Medicine and Surgery, Faculty of Medicine (UniCa)
- 2023-date** MEDS-03/A, Hygiene and Preventive Medicine Residency (UniCa)
- 2022-date** MEDS-03/A, Microbiology, Faculty of Biology and Pharmacy (UniCa)
- 2020-date** MEDS-03/A, Microbiology and Virology Residency (UniCa)
- 2020-date** MEDS-03/A, General Clinical Microbiology, Nursing, Faculty of Medicine (UniCa)
- 2019-2020** MEDS-03/A, Teaching Support in Microbiology (UniCa)
- 2019-date** Associate Professor National Scientific Qualification in Microbiology and Clinical Microbiology (06/A3-MEDS-03/A), Italian Ministry of Education, Universities and Research (MIUR)
- 2017-date** Expert in Microbiology and Clinical Microbiology MEDS-03/A (UniCa)
- 2016-2017** MEDS-03/A, Teaching Support in Microbiology (UniCa)
- 2015-2016** MEDS-03/A, Teaching Support in Microbiology (UniCa)
- 2018-2019** Teacher of Math and Sciences (Secondary School, Cagliari)
- 2009-2010** Academic Tutor, School of Medicine (UniCa)
- 2009-2010** Academic Tutor, Nursing School (UniCa)

### **ACADEMIC POSITIONS**

- 2024-date** **Erasmus Faculty Coordinator**, Faculty of Medicine (UniCa)
- 2024-date** **Faculty Didactic Board**, BSc Toxicological Sciences and Quality Assurance, Faculty of Biology and Pharmacy (UniCa)
- 2024-date** **VQR Dept Board**, Dpt. Biomedical Sciences (UniCa)
- 2023-date** **Faculty Board**, Hygiene and Preventive Medicine Residency School (UniCa)
- 2020-date** **Faculty Board**, Microbiology and Virology Residency School (UniCa)

### **ADVISING AND MENTORSHIP**

- 2024** **Advisor**, BSc Thesis Daniela Tommainu (UniCa)
- 2024** **Advisor**, BSc Thesis Valentina Scanu (UniCa)
- 2024** **Advisor**, BSc Thesis Maura Alessia Perra (UniCa)
- 2024** **Advisor**, BSc Thesis Valentina Agus (UniCa)
- 2024** **Co-Advisor**, BSc Thesis Chiara Mariotti (UniCa)
- 2024-date** **Mentor**, trainee (Andrea Pibiri)
- 2024-date** **Mentor**, MSc Resident Student at UniCa (Serena Canton)
- 2024** **Advisor**, MD Thesis Silvio Zaimi (UniCa)
- 2024** **Advisor**, BSc Thesis Marco Pitzalis (UniCa)
- 2023** **Co-Advisor**, MSc Thesis Giada Cannas (UniCa)
- 2023** **Co-Advisor**, MD Thesis Piergiorgio Concu (UniCa)

- 2023** **Advisor**, BSc Thesis Elisa Raga (UniCa)
- 2023** **Co-Advisor**, BSc Thesis Edith Zedde (UniCa)
- 2022-23** **Mentor**, trainees (Ilenia Delogu, Vanessa Palmas)
- 2021-date** **Mentor**, MD Resident Students at UniCa (Silvia Puxeddu, Giuseppe Pala)
- 2020** **Co-Advisor**, BSc Thesis Nicola Ciabatti (UniCa)
- 2019** **Co-Advisor**, MSc Thesis Tania Rodrigues (University of Lisbon, PT)
- 2018** **Co-Advisor**, MSc Thesis Sara Armas (UniCa)

#### **TRAINING CERTIFICATION**

- 2024** Biological Safety/Bloodborne Pathogen Training (Columbia University, NY, US)
- 2024** First Aid (Cagliari, IT)
- 2024** BLS (Cagliari, IT)
- 2021** Health, Safety, and specific risks at work (Cagliari, IT)
- 2020** BSL3 Training
- 2018** English Language (B2 level)
- 2018** Health and Safety at work (Cagliari, IT)
- 2017** Safe Use of Formaldehyde Training (Columbia University, NY, US)
- 2017** Shipping Biological (infectious and potentially infectious) Materials and Genetically Modified Microorganisms (GMMOs) (Columbia University, NY, US)
- 2017** Shipping with Dry Ice, Exempt Specimens and Excepted Quantities of Dangerous Goods (Columbia University, NY, US)
- 2017** Rodent Barrier Training (Columbia University, NY, US)
- 2017** Biological Safety Cabinet Training (Columbia University, NY, US)
- 2016** The Mouse and Rat: Computer Based Training (Columbia University, NY, US)
- 2016** Lab Safety, Chemical Hygiene and Hazardous Waste Management (Columbia University, NY, US)
- 2016** Mouse Wetlab (Columbia University, NY, US)
- 2016** Introduction to the Institute of Comparative Medicine (Columbia University, NY, US)
- 2013** Evidence of training course in radioprotection (UniCa, IT)
- 2013** Business English Certificate (University of Cambridge, UK)

#### **SKILLS AND INTERESTS**

**Languages** Italian and English

**Interests** Music - Guitar – Photography – Reading - Travelling

**IT Skills** Office Package - editing audio, video and imaging - OS Microsoft and iOS

#### **AWARDS**

- 2024** **Young Research Mobility Program, Columbia University (NY, US)**, *Focus on the design of a new set of biologics tailored to CNS-adapted viruses*, RAS L7/2007 (IT)
- 2019** **Seal of Excellence**, *[VirGenEra] Breakthrough application of an innovative chimera-virus animal model of infection to investigate curative effect of sulfonamide derivatives against gamma-Herpesvirus induced malignancies*, European Commission, Brussels (BE)
- 2018** **AMCLI Educational Grant**, *Ruolo del laboratorio di microbiologia nell'applicazione del piano nazionale di prevenzione vaccinale per pertosse, morbillo, rosolia, parotite e varicella*. AMCLI, Cagliari (IT), 7 Dec 2018
- 2018** **FEMS Travel Grant**, *Measles virus and adaptation*, 46th National Congress SIM, Palermo (IT), 26-29 Sep 2018
- 2017** **Mario Campa Foundation Prize for Best Poster in Virology**, *Measles CNS infection and its inhibition*, 45th National Congress SIM, Genoa (IT), 27-30 Sep 2017

- 2013-date** **Europe Research contract staff (Contract Agents FG IV)**, Applicant n 3557361, Shortlisted as Eligible CAST researcher at JRC and EU agencies by european selection EPSO/CAST/S/5/2013
- 2013** **2nd Best Poster in Virology**, *Neutral lipids and angiogenesis in infected human primary cells with herpes virus 8*, 41st National Congress SIM, Riccione (IT), 13-16 Oct 2013
- 2008** **Best Poster Prize**, 5th National Congress SoSTE, Cagliari (IT), 16-18 Oct 2008, *Cardiovascular disease in  $\beta$ -thalassemia intermedia: involvement of cholesterol and iron metabolism*

#### GRANTS AND RESEARCH PROJECT PARTICIPATIONS

- 2024** **Principal Investigator**, [MIMOSA] *MicrobioMe and plasma redOx status evaluation in women with breaSt cancer: a preliminary study on potential association with Alcohol consumption*, Fondazione di Sardegna 2022 (IT)
- 2024** **Participant**, [PROFILES] *Peripheral and centRal Immune prOFiles revealing the Impact of sex on biomarkers in muLTiple sclErosis and parkinSon's disease*, PNRR Cascade Open Call MNESYS Spoke 7, Neuroimmunology and Neuroinflammation (IT)
- 2023** **Associated investigator**, [NEMESI] *One Development of NEw MEmbranes as Smart devices to limit Infections*, PRIN 2022CAWK8W (IT)
- 2022** **Participant**, [INF-ACT] *One Health Basic and Translational Research Actions addressing Unmet Needs on Emerging Infectious Diseases*, PNRR PE0000007 Emergent Infectious Diseases (IT)
- 2022** **Associated investigator**, [RiV4PoC] *Microbicide coating for high touch surfaces*, Sardegna Ricerche, RAS (IT)
- 2022** **Associated investigator**, [f-PERMEATE] *Predictive function of the permeability coefficient of drugs for the screening of large database*, Sardegna Ricerche, RAS (IT)
- 2022** **Associated investigator**, *Alcohol and other modifiable risk factors for breast cancer*, [35781] Fondazione di Sardegna (IT)
- 2020** **Participant**, [Coating4CoV] *Coating with antiviral properties for medical devices, surface and high touch objects in public places*, SR4COVID, Sardegna Ricerche, RAS (IT)
- 2019** **EMBO-STF Grant**, *Breakthrough application of an innovative chimera-virus animal model of infection to investigate curative effect of sulfonamide derivatives against gamma-Herpesvirus induced malignancies*, EMBO Excellence in Science, Heidelberg (DE)
- 2019-date** **Collaborator**, *Innovative approaches for monitoring, diagnosis and therapeutic targets in neuroinflammatory and neurodegenerative diseases*, UniCa (IT). PI: Prof A Ingianni, Prof AR Carta
- 2018-2019** **Collaborator**, *Development of antivirals for emerging pathogens*, UniCa (IT). PI: Prof A Ingianni
- 2017-date** **Collaborator** in the area of latent infections specifically focused on gamma-Herpesviruses, development of antivirals for newly emerging pathogens, study on the therapeutic activity of sulfonamide compounds for clearing human herpes virus 8 from latently-infected Kaposi sarcoma. UniCa, Lineberger Comprehensive Cancer Center, Center for AIDS Research, University of North Carolina at Chapel Hill (NC, USA), Istitute of Molecular Medicine (iMM) and Istitute of Microbiology, University of Lisbon (PT)
- 2016-date** **Collaborator** in the area of pediatric infectious diseases specifically focused on mechanisms of entry and membrane fusion mediated by Paramyxoviruses, Columbia University (New York, NY)

- 2016-2017 Collaborator**, *Alterations of lipid metabolism in human cells infect with Herpes virus 8: implications in metabolic alterations that predispose to the appearance of type 2 diabetes mellitus*. PI: Prof R Pompei
- 2015-2018 Collaborator**, *New neuroprotective drugs for Parkinson's disease and Role of Neuroinflammation in the development of L-DOPA-induced Dyskinesias* supported by Fondazione Banco di Sardegna and Perry & Ruby Stevens Charitable Foundation. PI: Prof AR Carta
- 2013-2014 Collaborator**, *Alterations of lipid metabolism in human cells infect with Herpes virus 8: implications in metabolic alterations that predispose to the appearance of type 2 diabetes mellitus*. PI: Prof R Pompei
- 2010-2012 Principal Investigator**, *Cholesterol metabolism and Alzheimer's disease: further developments on the biochemical and molecular basis of blood mononuclear cells and skin fibroblasts in the Sardinian population*, Grant CRP2\_151 funded by RAS L7/2007
- 2011-2012 Collaborator**, *Alterations of glucose and lipid metabolism in cells infected with herpes virus 8 and methods of interference with viral expression* funded by FBS. PI: Prof R Pompei
- 2011 Collaborator**, *Development of biocompatible composite magnetic nanostructures*, Basic and Oriented Research Project funded by RAS. PI: Dr C Cannas
- 2008 Collaborator**, *Superparamagnetic nanoparticles hybrid for the release of functional molecules driven by magnetic fields and ligands to surface*, funded by RAS L7/2007. PI: Prof G Piccaluga
- 2007 Collaborator**, *Hybrid magnetic nanoparticles for the transport of biomolecules by means of external magnetic fields*, PI: Dr C Cannas

#### PATENTS

- 2021** [WO2021255496A1](#) *Antibacterial Coating*, Scano A, Ennas G, Esposito F, Tramontano E, **ANGIUS F** (UniCa, IT)

#### PRESENTATIONS

- Sep 2024 Poster**, *Implementing an effective microbicidal coating to tackle indirect microbial transmission*. National Congress SIM, Pavia (IT), 8-11 Sep 2024
- Jul 2024 Poster**, *Preliminary data on KSHV integration in humans: a potential molecular mechanism for viral-induced oncogenesis?* SIV-ISV, Bologna (IT), 22-24 Jul 2024
- Sep 2023 Poster**, *Sulfonamide treatments inhibit gamma-Herpesvirus persistent infection in vivo*. National Congress SIM, Cagliari (IT), 24-27 Sep 2023
- Sep 2022 Poster**, *RiV4PoC: A high effective microbicidal coating for high-touch surfaces*. 50th National Congress SIM, Naples (IT), 18-21 Sep 2022
- Sep 2020 Poster**, *Characterization of a measles virus neutralizing monoclonal antibody targeting specific conformation of fusion protein*. 48th Virtual National Congress SIM, 21-22 Sep 2020
- Sep 2019 Poster**, *Functional analysis of a SSPE virus indicates that hyperfusogenic fusion protein contributes to measles virus infection in the brain*. 47th National Congress SIM, Rome (IT), 18-21 Sep 2019
- Sep 2019 Poster**, *Human Herpesvirus 8 infection contributes to ROS production in diabetes type 2 patients*. 47th National Congress SIM, Rome (IT), 18-21 Sep 2019
- Sep 2018 Poster**, *Measles virus and CNS adaptation*. 46th National Congress SIM, Palermo (IT), 26-29 Sep 2018
- Sep 2017 Poster**, *Measles CNS infection and its inhibition*. 45th National Congress SIM, Genoa (IT), 27-30 Sep 2017
- Sep 2015 Invited Speaker**, *Herpesvirus 8 infection and cellular metabolism alterations*, 43rd National Congress SIM, Naples (IT), 27-30 Sep 2015

- Sep 2015** **Poster**, *Sulfonamide compounds inhibit latent Human Herpesvirus 8 replication by interfering with MDM2-p53 complex formation*. 43rd National Congress SIM, Naples (IT), 27-30 Sep 2015
- Mar 2015** **Invited Speaker**, *Role of P-gp in controlling of metabolism in MDR1 cells: HDL as new delivery strategy for anticancer drugs*, Riunione Scientifica Scuola Mario Umberto Dianzani, Cagliari (IT) 20-21 Mar 2013
- Sep 2014** **Poster**, *Anti Human Herpesvirus 8 antibodies regulate the metabolic modifications induced by viral infection on primary endothelial cells*. 42nd National Congress SIM, Torino (IT), 28 Sept – 01 Oct 2014
- Jun 2014** **Poster**, *Inhibition of cholesterol esterification increases cholesteryl ester uptake from HDL in parental and MDR1 resistant CCRF-CEM cells*. European Association for Cancer Research (EACR), American Association for Cancer Research (AACR), Italian Cancer Society (SIC) Special Conference, Florence (IT), 20-23 June 2014
- Oct 2013** **Poster**, *Lipidi neutri e angiogenesi in cellule primarie umane infettate con virus Herpes 8*. 41st National Congress SIM, Riccione (IT), 13-16 Oct 2013
- Mar 2012** **Poster**, *Neutral lipids accumulation in peripheral blood mononuclear cells: hallmark of Alzheimer's Disease?* 6th World Congress on Controversies in Neurology (CONy), Wien (AT), 8-11 Mar 2012
- Mar 2012** **Poster**, *Alteration of intracellular cholesterol in skin fibroblasts from Alzheimer's Disease patients*. 6th World Congress on Controversies in Neurology (CONy), Wien (AT), 8-11 Mar 2012
- Nov 2008** **Invited Speaker**, *Role of lipid metabolism in Alzheimer's Disease: morphological studies in peripheral cells*. 53rd National Congress SIGG, Firenze (IT), 26-29 Nov 2008

#### MEMBERSHIP

- 2023 - date** ASV (American Society for Virology)
- 2018 - date** ASM (American Society for Microbiology)
- 2017 - date** US National Postdoctoral Association
- 2015 - date** EURODOC (European Council of Doctoral Candidates and Junior Researchers)
- 2015 - date** ADI (National PhD and PhD Students Association in Italy)
- 2019 - 2020 Vice-coordinator** ADI Cagliari
- 2013 - date** FEMS (Federation of Microbiological Societies)
- 2013 - date** ESCMID (European Society of Clinical Microbiology and Infectious Diseases)
- 2013 - date** SIM (Italian Society of Microbiology)
- 2006 - date** Professional National Order of Biologists (ID 056586)

#### EDITORIAL BOARD AND REVIEWING

- **Associate Editor:** *Frontiers in Molecular Diagnostics and Therapeutics*
- **Chairman:** Primary prevention of breast cancer: A UniCA proposal, Round table "Collaborating to prevent", 18 Oct 2023, UniCa
- **Topic Editor:** *Host Response against SARS-CoV-2 Infection: Implications for Diagnosis, Treatment and Vaccine Development*. MDPI (Antibodies, COVID, Pathogens, Vaccines, Viruses) [link](#)
- **Reviewer Editor:** *Frontiers in Virology*
- **Reviewer Board:** Cells (MDPI)
- **Editorial board:** Viruses (MDPI), International Scholarly Research Notices (Hindawi)
- **Reviewer:** Vaccines; Molecules; Biomolecules; Antioxidants; Oncotarget; BioTechniques; International Journal of Pharmaceutics; International Journal of Molecular Sciences; Journal of Infectious Diseases in Developing Countries; Journal of Cellular and Molecular Medicine;

Journal of Clinical Laboratory Analysis; Toxicology Mechanisms and Methods; Medical Research Archives

- **Chapter:** Pompei R, **ANGIUS F** (2021) Capitolo 42, *Batteri patogeni di incerta collocazione*, in *Microbiologia Farmaceutica*. III ed, EdiSES (ISBN: 9788836230211)
- **Chapter:** **ANGIUS F**, Marras L, Ingianni A, Pompei R. *Latent-persistent Virus Infections. Hepatitis C Virus and Human Herpesvirus 8: Immunological Response, Modification of Cell Metabolism and Association with Type 2 Diabetes*. Book Emerging and Re-emerging Viral Pathogens, Elsevier
- **Chapter:** Piras E, Madeddu MA, Palmieri G, **ANGIUS F**, Contini P, Pompei R, Ingianni A (2016) *High Prevalence of Human Herpesvirus 8 Infection in Diabetes Type 2 Patients and Detection of a New Virus Subtype*. Adv Exp Med Biol.
- **Committee:** Ricerca in Vetrina 2018 - **ANGIUS F**, Leccis F, Mei G, Mura E (2018) *Sviluppo, Risorse e Ambiente*, in Lai L, Mastinu M, Saiu V (a cura di), Ricerca in Vetrina 2018. Ricerca è democrazia. FrancoAngeli, Milano (IT). ISBN: 9788891772152 - 9788891783806
- **Committee:** Ricerca in Vetrina 2015 - **ANGIUS F**, Schirru MS (2015) *Science, Culture, and Economy of Food*, in Lai L, Mastinu M, Saiu V, Schirru MS (a cura di), Ricerca in Vetrina 2015. PhD in Sardinia: Higher Education, Scientific Research and Social Capital. FrancoAngeli, Milano (IT). ISBN: 9788891736635

## PUBLICATIONS

1. **ANGIUS F**, Bigi R, Puxeddu S, Delogu I, Pompei R, Dittmer DP, Manzin A. *Inhibition of gamma-herpesvirus latent infection in an innovative chimera-virus animal model by sulfonamide antibiotics*. J Ant Chem (submitted)
2. Boi S, Puxeddu S, Delogu I, Farci D, Piano D, Manzin A, Ceccarelli M, **ANGIUS F\***, Scorciapino MA\*, Milenkovic S. *Seeking correlation among porin permeabilities and minimum inhibitory concentrations through machine learning: a promising route to the essential molecular descriptors*. Molecules (submitted)
3. Puxeddu S, Virdis V, Sacco D, Depau M, Atzei AM, Pisano L, Di Rosa M, Vacquer S, Accardi G, Cirio EM, Manzin A, Marinelli C, **ANGIUS F**. *A case of stroke as a unique sign of subclinical infective endocarditis by Abiotrophia defectiva: a case report*. Int J Emerg Med 18, 17 (2025). <https://doi.org/10.1186/s12245-025-00814-6>
4. **ANGIUS F**, Puxeddu S, Zaimi S, Canton S, Sepher Nematollahzadeh, Pibiri A, Delogu I, Alvisi G, Moi ML, Manzin A. *SARS-CoV-2 evolution: Implications for Diagnosis, Treatment, Vaccine Effectiveness and Development*. Vaccines 2025, 13, 17. <https://doi.org/10.3390/vaccines13010017>
5. Sardu C, **ANGIUS F**, Contu P, Cosentino S, Deiana M, Frascchini M, Madeddu C, Massa E, Mereu A, Minerba L, Politi C, Salis F, Sinclair JMA, Agabio R. *Raising awareness of alcohol as a modifiable risk factor for breast cancer: A randomized controlled trial comparing the efficacy of accessing an interactive website with a noninteractive website*. The Breast 2025, 79, 103868. DOI: <https://doi.org/10.1016/j.breast.2024.103868>
6. Vega-Benedetti AF, Porcedda C, Ercoli T, Fusco G, Burgaletto C, Pillai R, Palmas MF, Cantone AF, **ANGIUS F**, Solla P, De Simone A, Cantarella G, Giallongo C, Sogos V, Defazio G, Carta AR. *Immune responses to oligomeric  $\alpha$ -synuclein in Parkinson's disease peripheral blood mononuclear cells*. J Neurol. 2024, Sep;271(9):5916-5929. DOI: <https://doi.org/10.1007/s00415-024-12554-3>
7. Puxeddu S, Scano A, Scorciapino MA, Delogu I, Vascellari S, Ennas G, Manzin A, **ANGIUS F**. *Physico-chemical investigation and antimicrobial efficacy of ozonated oils. The case study of commercial ozonated olive and sunflower seed refined oils*. Molecules 2024, 29, 679. DOI: <https://doi.org/10.3390/molecules29030679>
8. **ANGIUS F**, Mocchi I, Ercoli T, Loy F, Palmas MF, Cannas G, Manzin A, Defazio G, Carta AR. *Combined measure of salivary alpha-synuclein species as diagnostic biomarker for Parkinson's disease*. Journal of Neurology 2023, Nov;270(11):5613-5621. DOI: <https://doi.org/10.1007/s00415-023-11893-x>
9. Vascellari S, Orrù CD, Groveman B, Fenu G, Pisano G, Piga G, Serra G, Oppo V, Murgia D, Perra A, **ANGIUS F**, Manzin A, Cossu G, Caughey B.  *$\alpha$ -Synuclein seeding activity in duodenum biopsies from Parkinson's disease patients*. PLOS Pathogens 2023, Jun 30. DOI: <https://doi.org/10.1371/journal.ppat.1011456>
10. Sanna G, Marongiu A, Firinu D, Piras C, Franci G, Galdiero M, Pala G, Palmas V, **ANGIUS F**, Littera R, Perra A, Orrù G, Campagna M, Costanzo G, Meloni F, Coghe F, Chessa L, Manzin A. *Neutralizing*

- antibodies responses against SARS-CoV-2 in a Sardinian cohort group up to 9 months after BNT162b2 vaccination.* Vaccines 2022, 10, 531. DOI: <https://doi.org/10.3390/vaccines10040531>
11. Agabio R, Madeddu C, Contu P, Cosentino S, **ANGIUS F**, Deiana M, Massa E, Mereu A, Politi C, Sinclair J, Sardu C. *Alcol e tumore alla mammella.* Alcologia 2022, 48:60-70
  12. **ANGIUS F**, Pala G, Manzin A. *SARS-CoV-2 and its variants: the pandemic of unvaccinated.* Front. Microbiol. 12:749634. 2021 Aug 24. DOI: <https://doi.org/10.3389/fmicb.2021.749634>
  13. Mathieu C, Ferren M, Harder O, Bovier FT, Marcink TC, Predella C, **ANGIUS F**, Drew-Bear J, Dorrello NV, Greninger AL, Moscona A, Niewiesk S, Horvat B, Porotto M. *Single-chain variable fragment antibody constructs neutralize measles virus infection in vitro and in vivo.* Cell Mol Immunol 18, 1835–1837 (2021). DOI: <https://doi.org/10.1038/s41423-021-00691-y>
  14. **ANGIUS F**, Ingianni A, Pompei R. *Human Herpesvirus 8 and host-cell interaction: long-lasting physiological modifications, inflammation and related chronic diseases.* Microorganisms 2020, 8(3), 388. DOI: <https://doi.org/10.3390/microorganisms8030388>
  15. Incani A, Marras L, Serreli G, Ingianni A, Pompei R, Deiana M, **ANGIUS F**. *Human Herpesvirus 8 infection may contribute to oxidative stress in diabetes type 2 patients.* BMC Res Notes 13, 75 (2020). DOI: <https://doi.org/10.1186/s13104-020-4935-3>
  16. **ANGIUS F**, Marras L, Ingianni A, Pompei R. *Latent-persistent Virus Infections. Hepatitis C Virus and Human Herpesvirus 8: Immunological Response, Modification of Cell Metabolism and Association with Type 2 Diabetes.* Book Emerging and Re-emerging Viral Pathogens, Elsevier. 2020 1:169-181. Available online 20 Sep 2019. DOI: <https://doi.org/10.1016/B978-0-12-819400-3.00009-0>
  17. **ANGIUS F**, Smuts H, Rybkina K, Stelitano D, Eley B, Wilmshurst J, Ferren M, Lalande A, Mathieu C, Moscona A, Horvat B, Hashiguchi T, Porotto M, Hardie D. *Analysis of a subacute sclerosing panencephalitis (SSPE) Genotype B3 virus from the 2009/10 South African measles epidemic shows hyperfusogenic F proteins contribute to measles virus infection in the brain.* J Virol. 2019 Feb 5; 93(4). pii: e01700-18. DOI: <https://doi.org/10.1128/JVI.01700-18>
  18. **ANGIUS F**, Piras E, Spolitu S, Marras L, Armas S, Ingianni A, Contini P, Pompei R. *Anti-Human Herpesvirus 8 antibodies affect both insulin and glucose uptake by virus-infected human endothelial cells.* J Infect Dev Ctries, 2018 June 12;6:485-491. DOI: <https://doi.org/10.3855/jidc.10381>
  19. Lecca D, Janda E, Mulas G, Diana A, Martino C, **ANGIUS F**, Spolitu S, Casu MA, Simbula G, Boi L, Fenu S, Batetta B, Spiga S, Carta AR. *Boosting phagocytosis and anti-inflammatory phenotype in microglia mediates neuroprotection by PPAR $\gamma$  agonist MDG548 in Parkinson's disease.* Br J Pharm, 2018 Mar. DOI: <https://doi.org/10.1111/bph.14214>
  20. **ANGIUS F**, Madeddu MA, Pompei R. *Commentary: High glucose induces reactivation of latent Kaposi's Sarcoma-Associated Herpesvirus.* Front Microbiol. 2017 Sep 15;8:1796. DOI: <https://doi.org/10.3389/fmicb.2017.01796>
  21. **ANGIUS F**, Piras E, Uda S, Madeddu C, Serpe R, Bigi R, Dittmer D, Ingianni A, Chen W, Pompei R. *Antimicrobial sulfonamides clear latent Kaposi Sarcoma Herpesvirus infection and impair MDM2-p53 complex formation.* J Antibiot. 2017 Aug; 70(9):962-966. DOI: <https://doi.org/10.1038/ja.2017.67>
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