

SELECTED PUBLICATIONS

Paper

Clonal lineage and biofilm growth shape cefiderocol activity in *Acinetobacter baumannii* from oncology patients.

Author(s)
Cavallo I, Sivori F, Truglio M, Francalancia M, Abril E, Fabrizio G, Petrolo S, Maione F, Prignano G, Mastrofrancesco A, Pimpinelli F, Di Domenico EG

04/2026

Front Cell Infect Microbiol. 2026, Apr 14;16:1788718

Paper

The mechanisms associated with the suppression of *Vibrio parahaemolyticus* cells in green-lipped mussels (*Perna canaliculus*)

Author(s)
Vidovic S, Truglio M, Shea DF, Middleditch MJ, Taylor R, Guo L, Lin XX, Ford S, Timms B, Sewell MA, Harwood TD, Fletcher GC.

01/2026

ISME Commun. 2026 Jan 26;6(1):ycag017

Paper

Physiological Differences in Sebum Composition in Regularly Menstruating Healthy Women

Author(s)
Lau HF, Poon V, Cavallo A, Bottillo G, Maiellaro M, Xu Y, Zhao H, Flori E, Zouboulis CC, Truglio M, Marini F, Camera E.

11/2025

J Dermatol. 2025 Nov;52(11):1638-1647

Paper

Meropenem/vaborbactam activity against carbapenem-resistant *Klebsiella pneumoniae* from catheter-related bloodstream infections.

Author(s)
Sivori F, Francalancia M, Truglio M, Cavallo I, Pronesti C, Fabrizio G, Celesti I, Cazzani A, Furzi L, Pimpinelli F, Di Domenico EG.

07/2025

Front Cell Infect Microbiol. 2025 Jul 31;15:1616353

Paper

Genomic characterization and antibiotic susceptibility of biofilm-forming *Borrelia afzelii* and *Borrelia garinii* from patients with erythema migrans.

Author(s)
Fabrizio G, Cavallo I, Sivori F, Truglio M, Kovacs D, Francalancia M, D'Agosto G, Trento E, Prignano G, Mastrofrancesco A, Ruzič-Sabljč E, Pimpinelli F, Di Domenico EG.

07/2025

Front Cell Infect Microbiol. 2025 Jul 7;15:1619660

Paper

Cefiderocol activity against planktonic and biofilm forms of β -lactamase-producing *Pseudomonas aeruginosa* from people with cystic fibrosis.

Author(s)
Fabrizio G, Truglio M, Cavallo I, Sivori F, Francalancia M, Riveros Cabral RJ, Comar M, Trancassini M, Compagnino DE, Diaco F, Antonelli G, Ascenzioni F, Cimino G, Pimpinelli F, Di Domenico EG

06/2025

J Glob Antimicrob Resist. 2025 Jun;43:111-119.

Paper

An Alternative Self-Splicing Intron Lifecycle Revealed by Dynamic Intron Turnover in *Epichloë* Endophyte Mitochondrial Genomes.

Author(s)
Chan J, Truglio M, Schardl CL, Cox MP, Young CA, Ganley ARD

04/2025

Mol Biol Evol. 2025 Apr 1;42(4):msaf076

Paper

Virulence profile of carbapenem-resistant *Klebsiella pneumoniae* strains by an in vivo model of *Galleria mellonella*.

Author(s)
Guembe M, Hafian R, Díaz-Navarro M, Visedo A, De Maio F, Pimpinelli F, Cavallo I, Truglio M, Sivori F, Di Domenico EG.

02/2025

Microbiol Spectr. 2025 Feb 4;13(2):e0221524.

SELECTED PUBLICATIONS

Paper

Biofilm-mediated antibiotic tolerance in Staphylococcus aureus from spinal cord stimulation device-related infections.

Author(s)

Sivori F, Cavallo I, Truglio M, Pelagalli L, Mariani V, Fabrizio G, Abril E, Santino I, Fradiani PA, Solmone M, Pimpinelli F, Toma L, Arcioni R, De Blasi RA, Di Domenico EG.

12/2024

Microbiol Spectr. 2024 Dec 5;12(12):e0168324

Paper

Staphylococcus aureus colonizing the skin microbiota of adults with severe atopic dermatitis exhibits genomic diversity and convergence in biofilm traits.

Author(s)

Sivori F, Cavallo I, Truglio M, De Maio F, Sanguinetti M, Fabrizio G, Licursi V, Francalancia M, Fraticelli F, La Greca I, Lucantoni F, Camera E, Mariano M, Ascenzioni F, Cristaudo A, Pimpinelli F, Di Domenico EG.

09/2024

Biofilm. 2024 Sep 19;8:100222.

Paper

Markers of Metabolic Abnormalities in Vitiligo Patients.

Author(s)

Papaccio F, Ottaviani M, Truglio M, D'Arino A, Caputo S, Pacifico A, Iacovelli P, Di Nardo A, Picardo M, Bellei B.

09/2024

Int J Mol Sci. 2024 Sep 23;25(18):10201

Paper

Behind the scenes: metagenomic analysis of bacterial communities in sustainable depilation of sheepskin.

Author(s)

Liu Y, Ong SL, Gedye K, Truglio M, Prabakar S.

11/2024

J Appl Microbiol. 2024 Nov 4;135(11):lxae244

Paper

Efficacy of sodium hypochlorite in overcoming antimicrobial resistance and eradicating biofilms in clinical pathogens from pressure ulcers.

Author(s)

Fabrizio G, Sivori F, Cavallo I, Truglio M, Toma L, Sperati F, Francalancia M, Obregon F, Pamparau L, Kovacs D, Pimpinelli F, Di Domenico EG.

07/2024

Front Microbiol. 2024 Jul 10;15:1432883

Paper

Biosignatures of defective sebaceous gland activity in sebum-rich and sebum-poor skin areas in adult atopic dermatitis.

Author(s)

Cavallo A, Camera E, Bottillo G, Maiellaro M, Truglio M, Marini F, Chavagnac-Bonneville M, Fauger A, Perrier E, Pigliacelli F, Picardo M, Cristaudo A, Mariano M.

03/2024

Exp Dermatol. 2024 Mar;33(3):e15066

Paper

Modulating the skin mycobiome-bacteriome and treating seborrheic dermatitis with a probiotic-enriched oily suspension.

Author(s)

Truglio M, Sivori F, Cavallo I, Abril E, Licursi V, Fabrizio G, Cardinali G, Pignatti M, Toma L, Valensise F, Cristaudo A, Pimpinelli F, Di Domenico E.G.

02/2024

Sci Rep. 2024, 14(1), 2722

Paper

Skin Anti-Inflammatory Potential with Reduced Side Effects of Novel Glucocorticoid Receptor Agonists.

Author(s)

Flori E, Mosca S, Kovacs D, Briganti S, Ottaviani M, Mastrofrancesco A, Truglio M, Picardo M.

01/2024

Int J Mol Sci. 2024, 25(1), 267

Paper

Biosynthesis of Peptide Hydrogel–Titania Nanoparticle Composites with Antibacterial Properties.

Author(s)

Binaymotlagh R, Hajareh Haghighi F, Di Domenico E.G, Sivori F, Truglio M, Del Giudice A, Fratoddi I, Chronopoulou L, Palocci C.

12/2023

Gels 2023 9(12), 940

SELECTED PUBLICATIONS

Paper

Acinetobacter baumannii in the critically ill: complex infections get complicated

Author(s)

Cavallo I, Oliva A, Pages R, Sivori F, Truglio M, Fabrizio G, Pasqua M, Pimpinelli F, Di Domenico E.G.

06/2023

Front Microbiol. 2023, 14, 1226616

Paper

The Activation of PPAR γ by (2Z,4E,6E)-2-methoxyocta-2,4,6-trienoic Acid Counteracts the Epithelial-Mesenchymal Transition Process in Skin Carcinogenesis.

Author(s)

Flori E, Mosca S, Cardinali G, Briganti S, Ottaviani M, Kovacs D, Manni I, Truglio M, Mastrofrancesco A, Zaccarini M, Cota C, Piaggio G, Picardo M.

03/2023

Sci Rep. 2022 Dec 6;12(1):21104

Paper

Skin dysbiosis and Cutibacterium acnes biofilm in inflammatory acne lesions of adolescents.

Author(s)

Cavallo I, Sivori F, Truglio M, De Maio F, Lucantoni F, Cardinali G, Pontone M, Bernardi T, Sanguinetti M, Capitanio B, Cristaudo A, Ascenzioni F, Morrone A, Pimpinelli F, Di Domenico EG.

12/2022

Sci Rep. 2022 Dec 6;12(1):21104

Paper

A Possible Modulator of Vitiligo Metabolic Impairment: Rethinking a PPAR γ Agonist.

Author(s)

Papaccio F, Bellei B, Ottaviani M, D'Arino A, Truglio M, Caputo S, Cigliana G, Sciuto L, Migliano E, Pacifico A, Iacovelli P, Picardo M

11/2022

Cells. 2022 Nov 12;11(22):3583.

Paper

Altered epidermal proliferation, differentiation and lipid metabolism: a novel key element in the vitiligo puzzle.

Author(s)

Kovacs D, Bastonini E, Briganti S, Ottaviani M, D'Arino A, Truglio M, Sciuto L, Zaccarini M, Pacifico A, Cota C, Iacovelli P, Picardo M

09/2022

Sci Adv. 2022 Sep 2;8(35):eabng299.

Paper

Role of Extracellular DNA in Dalbavancin Activity against Methicillin-Resistant Staphylococcus aureus (MRSA) Biofilms in Patients with Skin and Soft Tissue Infections.

Author(s)

Sivori F, Cavallo I, Kovacs D, Guembe M, Sperduti I, Truglio M, Pasqua M, Prignano G, Mastrofrancesco A, Toma L, Pimpinelli F, Morrone A, Ensoli F, Di Domenico EG.

04/2022

Microbiol Spectr. 2022 Apr 27;10(2)

Paper

Application of Sebum Lipidomics to Biomarkers Discovery in Neurodegenerative Diseases.

Author(s)

Briganti S, Truglio M, Angiolillo A, Lombardo S, Leccese D, Camera E, Picardo M, Di Costanzo A.

11/2021

Metabolites. 2021 Nov 29;11(12):819

Paper

Lipidomics of facial sebum in the comparison between acne and non-acne adolescents with dark skin.

Author(s)

Okoro OE, Adenle A, Ludovici M, Truglio M, Marini F, Camera E

08/2021

Sci Rep. 2021 Aug 16;11(1):16591

Paper

Anti-Inflammatory and Pro-Differentiating Properties of the Aryl Hydrocarbon Receptor Ligands NPD-0614-13 and NPD-0614-24: Potential Therapeutic Benefits in Psoriasis.

Author(s)

Cardinali G, Flori E, Mastrofrancesco A, Mosca S, Ottaviani M, Dell'Anna ML, Truglio M, Vento A, Zaccarini M, Zouboulis CC, Picardo M.

07/2021

Int J Mol Sci. 2021 Jul 13;22(14):7501

SELECTED PUBLICATIONS

Paper

Loss of α -gal during primate evolution enhanced antibody-effector function and resistance to bacterial sepsis.

Author(s)

Singh S, Thompson JA, Weis S, Sobral D, Truglio M, Ylmaz B, Rebelo S, Cardoso S, Soares MP

03/2021

Cell Host Microbe. 2021 Mar 10;29(3):347-361

Paper

Pyntacle: a parallel-computing-enabled framework for large-scale network biology analysis.

Author(s)

Parca L, Truglio M, Biagini T, Castellana S, Petrizzelli F, Capocéfalo D, Carella M, Mazza T

10/2020

Gigascience. 2020 Oct 21;9(10):giaa115

Paper

A new case of SMABF2 diagnosed in stillbirth expands the prenatal presentation and mutational spectrum of ASCC1.

Author(s)

Giuffrida MG, Mastromoro G, Guida V, Truglio M, Fabbretti M, Torres B, Mazza T, De Luca A, Roggini M, Bernardini L, Pizzuti A

03/2020

Am J Med Genet A. 2020 Mar;182(3):508-512.

Paper

Are Gaming-Enabled Graphic Processing Unit Cards Convenient for Molecular Dynamics Simulation?

Author(s)

Biagini T, Petrizzelli F, Truglio M, Cespa R, Barbieri A, Capocéfalo D, Castellana S, Tevy MF, Carella M, Mazza T

05/2019

Evol Bioinform Online. 2019 May 22;15:1176934319850144

Paper

Multi-Locus Next-Generation Sequence Typing of DNA Extracted From Pooled Colonies Detects Multiple Unrelated Candida albicans Strains in a Significant Proportion of Patient Samples.

Author(s)

Zhang N, Wheeler D, Truglio M, Lazzarini C, Upritchard J, McKinney W, Rogers K, Prigitano A, Tortorano AM, Cannon RD, Broadbent RS, Roberts S, Schmid J

06/2018

Front Microbiol 2018 Jun 5;9:1179.

Paper

Host tissue environment directs activities of an Epichloë endophyte, while it induces systemic hormone and defense responses in its native perennial ryegrass host.

Author(s)

Schmid J, Day R, Zhang N, Dupont PY, Cox MP, Schardl CL, Minards N, Truglio M, Moore N, Harris DR, Zhou Y

2017

Molecular Plant-Microbe Interactions 2017 Feb;30(2):138-149

Paper

Long-Term Memory in Drosophila Is Influenced by Histone Deacetylase HDAC4 Interacting with SUMO-Conjugating Enzyme Ubc9.

Author(s)

Schwartz S, Truglio M, Scott MJ, Fitzsimons HL

2016

Genetics 2016 Jul;203(3):1249-64

Paper

Identification of nucleotide-binding sites in protein structures: a novel approach based on nucleotide modularity

Author(s)

Parca L, Gherardini PF, Truglio M, Mangone I, Ferré F, Helmer-Citterich M, Ausiello G

2012

PLoS One 2012;7(11):e50240.