

Giovanni Deiana, MSc

AFFILIAZIONI

YALE UNIVERSITY Postgraduate Fellow at School of Medicine

UNIVERSITÀ DI CAMERINO Dottorando alla Scuola del Farmaco e dei Prodotti della Salute

EDUCATION

UNIVERSITÀ DI CAMERINO Scienze Chimiche e Farmaceutiche, e Biotecnologie (Dottorato)

UNIVERSITÀ DI MILANO Scienze Cognitive e Processi Decisionali (LM 55) - Curriculum in Neuroscienze Applicate

UNIVERSITÀ DI CAGLIARI Filosofia (L 5)

PROGETTI DI RICERCA

- **Causal links between imaging derived phenotypes and tobacco and alcohol related behaviours**
- **Shared transcriptomic signatures of Posttraumatic stress disorder and Alcohol use disorder in human brain**
- **PENGUIN - Progressively Establish Novel Genetics Underlying Interrelation**
- **Contribution of infectious diseases to the selection of ADH1B and ALDH2 gene variants in Asian populations**

ARTICOLI

Friligkou E, Løkhammer S, Cabrera-Mendoza B, Shen J, He J, **Deiana G**, Zanoaga MD, Asgel Z, Pilcher A, Di Lascio L, Makharashvili A, Koller D, Tylee DS, Pathak GA, Polimanti R. Gene Discovery and Biological Insights into Anxiety Disorders from a Multi-Ancestry Genome-wide Association Study of >1.2 Million Participants. medRxiv [Preprint]. 2024 Feb 15;2024.02.14.24302836. doi: 10.1101/2024.02.14.24302836. PMID: 38405718; PMCID: PMC10889004.

***Under review in Nat.Genet**

Deiana G, Ruinan S, Huang J, Napolioni V, Ciccocioppo R. Contribution of infectious diseases to the selection of ADH1B and ALDH2 gene variants in Asian populations. Alcohol Clin Exp Res (Hoboken) 2024 doi: 10.1111/acer.15288

***In press**

Pallotti S, Picciolini M, **Deiana G**, Pediconi D, Antonini M, Napolioni V, Renieri C. Whole genome sequencing analysis of alpaca suggests TRPV3 as a candidate gene for the suri phenotype. BMC Genomics. 2024 Feb 16;25(1):185. doi: 10.1186/s12864-024-10086-8. PMID: 38365607; PMCID: PMC10873959.

COMUNICAZIONI A CONVEGNI

Huang J, **Deiana G**, Napolioni V. PENGUIN: Progressively Establish Novel Genetics Underlying Interrelation. Annual meeting of American Society of Human Genetics (ASHG) 2023 November 1-5

Deiana G, Domi E, Napolioni V, Ciccocioppo R. Shared transcriptomic signature in Alcohol use disorder and Post traumatic stress disorder. 41° Congresso della Società Italiana di Farmacologia (SIF) 2022 November 16-19

COMPETENZE

INFORMATICA High-performance Computing on Linux Server

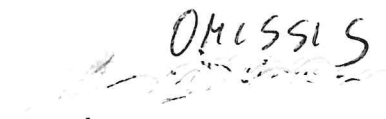
STATISTICA Data collection
Dataprep
Graphs
Descriptive statistics
Hypothesis testing
Correlation analysis
Principal component analysis
Regression models
Causal inferencing
Missing data imputation

ABILITÀ

OS Red Hat Linux
Ubuntu

CODING SPSS
Python
R

SOFTWARES Plink - Open-source whole-genome association analysis toolset
Eigen - Spectral functional genomic annotator
SNPweights - Genome-wide genetic ancestry inferencing
LDSR - Linkage Disequilibrium Score Regression analysis
LCV - Latent Causal Variable analysis
TwoSampleMR - Mendelian Randomization analysis
LAVA - Local analysis of [co]variant association analysis
MRMEGA - Meta-Regression of Multi-AncEstry Genetic Association
GWAMA - Genome-Wide Association Meta Analysis
MAMA - Multi-Ancestry Meta-Analysis
SALMON - Gene expression quantification



Camerino (MC) Italia
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