

Translational immunologist with expertise in cancer immunotherapy, biomarker discovery, patient cohorts, CAR-T development, and multi-omics. Experienced in integrating experimental and computational approaches to translate biological discoveries into therapeutic strategies and clinical hypotheses.

SCIENTIFIC JOURNEY
Current · IOR Switzerland · Padova / USI · VIMM · Padova Scientist, Translational Oncology and Immunotherapy (2025-present) Marie Skłodowska-Curie Postdoctoral Fellowship - European Commission (2025-2027) Postdoctoral Researcher - IOR Bellinzona, Andrea Alimonti Lab (2023-2025) PhD Molecular Pharmacology - University of Padova / USI cotutelle (2020-2023) Research Associate - VIMM (2019-2020) MSc Pharmaceutical Biotechnologies · BSc Biotechnology - University of Padova
TRANSLATIONAL HIGHLIGHTS
Nectin2 immunotherapy Target discovery and therapeutic development in prostate cancer CAR-T / antibody / ADC strategies Therapeutic development and translational evaluation Biomarker programs Patient cohorts + immune profiling + single-cell / spatial / computational analysis
SELECTED PUBLICATIONS
Cancer Cell, 2024 Retinoic acid receptor activation reprograms senescence response and enhances NK anti-tumor activity Cancer Cell, 2024 Coagulation factor X promotes resistance to androgen-deprivation therapy in prostate cancer Nature Aging, 2024 Targeting senescence with a polyphenol-rich natural extract improves longevity and healthspan in mice Trends in Cancer, 2026 Prostate cancer: evading immunity, inspiring therapy

CORE EXPERTISE
Translational oncology
Cancer immunotherapy
Biomarker discovery
CAR-T
Single-cell transcriptomics
Spatial transcriptomics
TCR profiling
Clinical cohort analysis
Flow cytometry / immune monitoring
Multi-omics
PATENTS
Co-inventor on two Nectin2-targeting immunotherapy patent applications
Nectin2 / PSMA antibodies and ADCs
Dual PSMA and Nectin2 targeting in prostate cancer
FUNDING / DISTINCTION
Marie Skłodowska-Curie Postdoctoral Fellowship · European Commission · 2025-2027
Special Prize Indaco - startup competition