

Kaalindi Misra, PhD

Bioinformatics Expert & Project Manager

San Raffaele Hospital
Milan, Italy

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Scholar ID: 2T-kN-gAAAAJ

Summary

Bioinformatics professional with 10+ years of experience in computational pipeline development and scientific project management. Expert in NGS automation (Snakemake) and managing EU-funded research initiatives. Currently leading multidisciplinary teams and tech transfer opportunities at San Raffaele Hospital.

Experience

- 2025–Pres. **Project Manager – Scientific Projects, San Raffaele Hospital, Milan**
- Managing EU-funded projects and organizing the **Cilia2027 International Conference**.
 - Coordinating the Italian national consortium across multiple research institutions.
 - Leading timelines, deliverables, and liaison between researchers and administrative stakeholders.
- 2022–2025 **Junior Post-Doctorate Fellow, San Raffaele Hospital, Milan**
- Automated NGS pipelines (**Snakemake**) for WES, WGS, RNASeq, scRNA-Seq, and mtDNA-Seq across 1000+ samples.
 - Implemented clinical databases and version control (**Git/Bitbucket**) for research units.
 - Provided variant interpretation support following **ACMG guidelines**.
- 2018–2022 **Marie Curie Fellow (Early Stage Researcher), Uni. Vita-Salute San Raffaele, Milan**
- Developed structural variation pipelines using Python and R for peripheral neuropathy research.
 - Created clinical data collection tool using LimeSurvey for patient cohorts.
- 2016–2018 **Bioinformatics Analyst, MedGenome Pvt Ltd, Bangalore**
- Led a team of 3 analysts; implemented **Jenkins CI/CD** and R Shiny dashboards.

Education

- 2018–2022 **PhD, Molecular Medicine, Uni. Vita-Salute San Raffaele, Milan**
- 2014–2016 **MS, Bioinformatics, Bharati Vidyapeeth University, Pune**
- 2011–2012 **MS, Biotechnology & Enterprise, University of Exeter, UK**

Technical Skills

Bioinformatics Snakemake, NGS (WES, RNASeq, Single-Cell), Variant Interpretation (ACMG)
Programming Python, R (Shiny), Bash, Perl, Git, CI/CD (Jenkins)
Management EU Grant Management, Stakeholder Liaison, Team Leadership

Languages

English Fluent
Hindi Native
Italian Intermediate A2 Level