

# Interoperability and Federated Analytics in Biomedical Data Using OMOP CDM

Part of the **39th IEEE International Symposium on Computer-Based Medical Systems (IEEE CBMS 2026)**  
**Conference Dates:** June 03-05, 2026

This Special Track seeks original contributions that explore novel methodologies, uses, implementations, tools, and evaluations of OMOP CDM in biomedical research.

We invite submissions that describe case studies, system architectures, methodological advances, or integration efforts involving OMOP CDM in clinical, epidemiological, or translational research.

## 💡 Topics of Interest

Topics of interest include (but are not limited to):

- ETL pipelines and tooling for OMOP CDM
- Semantic harmonization and vocabulary mapping
- Interoperability and data quality evaluation
- Privacy-preserving analytics and federated learning on OMOP networks
- Integration of genomic, imaging, or wearable data with OMOP
- Real-world evidence generation using OMOP-based cohorts
- OMOP CDM extensions and customizations
- Experiences from national and international OHDSI networks
- Evaluation metrics and benchmarking approaches for OMOP ETL
- FAIRification of clinical data using OMOP

## 👥 Track Organizers

**Prof. João Rafael Almeida** (University of Aveiro)

**Prof. José Luís Oliveira** (University of Aveiro)

**Prof. Giuseppe Placidi** (University of L'Aquila)

**Prof. Agma Juci Machado Traina** (University of Sao Paulo)

**Prof. Dani Prieto Alhambra** (University of Oxford)

## 📅 Important Dates

**Paper Submission:** February 20, 2026

**Notification of Acceptance:** April 10, 2026

**Camera-Ready Submission:** April 24, 2026

**Conference:** June 03-05, 2026

*(All deadlines are at 23:59 AoE - Anywhere on Earth)*

