

Analytics in the Clinical Laboratory (ACL) Special Interest Group

Purpose:

Advance the understanding and application of data science and informatics for clinical chemists and laboratory clients, through education and collaboration both within the community of clinical scientists and with in-vitro diagnostics manufacturers.

Co-Chairs:

Dr. Amir Karina and Dr. Dennis Orton

Term of Office: 2024 - present

Members:

Felix Leung

Allison Venner

Amy Lou

Andre Mattman

Angela Fung

Atoosa Rezvanpour

Basma Ahmed

Christopher McCudden

Dana Nyholt

David Seccombe

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Dorothy Truong

Elie Kostantin

Fahed Elia

Graham Sinclair

Ihssan Bouhtiauy

Ivan Stevic
Jake Cosme
Jennifer Taher
Jieli Li
Josh Raizman
Josko Ivica
Junyan Shi
Kazem Nouri
Kristin Hauff
Kun-Young Sohn
Lawrence de Koning
Mary Kathryn Bohn
Matthew Henderson
Michael Reid
Miranda Brun
Natalie Landry
Nicole White-Al Habeeb
Robert Robitaille
Sally Ezra
Samantha Logan
Saranya Arnoldo
Sukhbir Kaur
Victoria Higgins
Vilte Barakauskas

General Activities:

- Creating, adapting, evaluating and recommending informatics tools and infrastructure that can benefit the field and address gaps in the following main areas:
 - Clinical laboratory and point-of-care testing quality management systems
 - Clinical laboratory automation
 - Appropriate test utilization and reflexive testing algorithms

- Promoting equity, diversity, and inclusiveness in clinical laboratory data science literacy and access
 - Provide educational opportunities for laboratorians who are new to large-scale data analysis, via workshops, online learning materials and courses
 - Creation and dissemination of user-friendly tools for laboratory data analytics
- IVD vendor outreach and collaboration
 - Provide user experience feedback to major manufacturers regarding instrument interface, middleware and integration with laboratory information systems
 - Promote advances in vendor-provided software to support laboratory analytics needs
- Development and publication of literature and practical guidance to assist laboratories in data science and informatics; e.g. informatics criteria for an RFP process, LIS policy best practices, Implementation of CLSI AUTO16/17, adoption of novel AI/ML-based tools, and more.