

## **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:** Amir Karin, Dennis Orton

**Chair 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
- Davor Brinc
- Dorothy Truong
- Elie Kostantin
- Fahed Elian
- 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:

1. Creating, adapting, evaluating and recommending informatics tools and infrastructure that can benefit the field and address gaps in the following main areas:
  - a. Clinical laboratory and point-of-care testing quality management systems
  - b. Clinical laboratory automation
  - c. Appropriate test utilization and reflexive testing algorithms
2. Promoting equity, diversity, and inclusiveness in clinical laboratory data science literacy and access
  - a. Provide educational opportunities for laboratorians who are new to large-scale data analysis, via workshops, online learning materials and courses
  - b. Creation and dissemination of user-friendly tools for laboratory data analytics
3. IVD vendor outreach and collaboration
  - a. Provide user experience feedback to major manufacturers regarding instrument interface, middleware and integration with laboratory information systems
  - b. Promote advances in vendor-provided software to support laboratory analytics needs
4. 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, etc.