

Conference Program (Tentative)

One Health: From Functional Genomics, Drug Discovery to Precision Medicine

Day 1. May 10, 2027

07:45am – 08:45am	Registration & Coffee/Snacks Location: Main Hall, Research & Innovation Centre, University of Regina
08:45am – 09:00am	Opening Remarks: Dr. Mohan Babu & Organizing Committee (Drs. Omar El-Halfawy, Ana-Mendes Silva, and George Katselis)
09:00am – 10:00am	Plenary Lecture: SFARI Investigator From Genes to Behavior: Genomic Insights into Neurodevelopmental Disorders (Sponsor anticipated: Simons Foundation)
10:00am – 10:30am	Coffee Break & Networking (Sponsor anticipated: Dean of Science, U Regina)
10:30am – 12:30pm	Session I: Neurodevelopmental Disorders (Sponsor anticipated: Simons Foundation) 1. Keynote Speaker (30 min) 2. Invited Speaker 1 (15 min) 3. Speaker 2 (15 min) Session II: Genetic Diseases (Sponsor confirmed: CIHR IG; Chair: Dr. Christopher McMaster; Dalhousie University) 1. Keynote Speaker (30 min): Dr. Geoffrey (Geoff) Hicks, University of Manitoba 2. Invited Speaker 1 (15 min) 3. Speaker 2 (15 min)
12:30pm – 1:30pm	Lunch Seminar: Spatial and Single-Cell Proteomics (Sponsor confirmed: Thermo Fisher Scientific)
1:30pm – 2:30pm	Student/Trainee Talks (Sponsor anticipated: Saskatchewan Health Research Foundation)
2:30pm – 3:00pm	Trainee Session 1: Career Paths in and Beyond Academia (Sponsor confirmed: CIHR IG)
3:00pm – 3:30pm	Coffee and Refreshments (Sponsor anticipated: Dean, Faculty of Graduate Studies, U Regina)
3:30pm – 4:30pm	Jeanne Manery Fisher Award Talk (50 min) (Sponsor confirmed: CSMB)
4:30pm – 6:30pm	Session III: Synthetic Biology and Microbial Engineering (Sponsor anticipated: XXXX) 1. Keynote Speaker (30 min) 2. Invited Speaker 1 (15 min) 3. Speaker 2 (15 min) Session IV: Beyond Antibiotics: Rethinking AMR (Sponsor anticipated: VPR, U Regina) 1. Keynote Speaker (30 min) 2. Invited Speaker 1 (15 min) 3. Speaker 2 (15 min)
6:30pm – 7:30pm	Trainee poster Session
7.30pm – 10:30pm	Social and Networking Event with Trainees – The Lazy Owl at the University of Regina

Day 2. May 11, 2027

08:00am – 8:30am	Late Registration & Coffee/Snacks Location: Main Hall, Research & Innovation Centre, University of Regina
8:30am – 9:00am	Trainee Session 2: CIHR-IG One-on-One: Ask Us Anything (Sponsor confirmed: CIHR IG)
09:00am – 10:00am	Plenary Lecture Beyond the Powerhouse: Mitochondria in the Era of Genomics and Precision Medicine (Sponsor anticipated: XXXX)
10:00am – 10:30am	Coffee and Refreshments (Sponsor anticipated: Dean of Science, U Regina)
10:30am – 12:30pm	Session V: Mitochondria: Function to Dysfunction (Sponsor anticipated: XXXX) 1. Keynote Speaker (30 min) 2. Invited Speaker 1 (15 min) 3. Speaker 2 (15 min) Session VI: Psychiatric Disorders (Sponsor anticipated: XXXXX) 1. Keynote Speaker (30 min) 2. Invited Speaker 1 (15 min) 3. Speaker 2 (15 min)
12:30pm – 2.00pm	Annual General Meeting for CSMB (Lunch served)
2:00pm – 3:00pm	Student/Trainee Talks (Sponsor anticipated: Saskatchewan Health Research Foundation)
3:00-3:30 pm	Trainee poster Session
3:30pm – 4:00pm	Coffee and Refreshments (Sponsor anticipated: Dean, Faculty of Graduate Studies, U Regina)
4:00pm – 5:00pm	Arthur Wynne Gold Medal Talk (50 min) (Sponsor confirmed: CSMB)
5:00pm – 7:00pm	Session VII: AI- Powered Drug Discovery (Sponsor anticipated: XXXX) 1. Keynote Speaker (30 min) 2. Invited Speaker 1 (15 min) 3. Speaker 2 (15 min) Session VIII: Structure-Based Drug Discovery (Sponsor anticipated: XXXXX) 1. Keynote Speaker (30 min) 2. Invited Speaker 1 (15 min) 3. Speaker 2 (15 min)
7:30pm – 10:30pm	Banquet Dinner and Award Presentations: Conexus Art Centre

Day 3. May 12, 2027

08:00am – 8:30am	Late Registration & Coffee/Snacks Location: Main Hall, Research & Innovation Centre, University of Regina
8:30am – 9:00am	Trainee Session 3: Ethics, Integrity & Responsible Research (Sponsor anticipated: XXXXX)
09:00am – 10:00am	Plenary Lecture Perturbed Interactomes: Network-Level Mechanisms of Disease (Sponsor anticipated: XXXXX)
10:00am – 10:30am	Coffee and Refreshments (Sponsor anticipated: Dean of Science, U Regina)
10:30am – 12:30pm	Session IX: Proteomics & Post-Translational Modifications (Sponsor anticipated: XXXX) 1. Keynote Speaker (30 min) 2. Invited Speaker 1 (15 min) 3. Speaker 2 (15 min) Session X: Integrative Systems and Network Biology (Sponsor anticipated: XXXXX) 1. Keynote Speaker (30 min) 2. Invited Speaker 1 (15 min) 3. Speaker 2 (15 min)
12:30pm – 1:30pm	Lunch Seminar (Sponsor anticipated: XXXXX)
1:30pm – 2:30pm	Canadian Science Publishing Senior Investigator Award Talk (50 min) (Sponsor confirmed: CSMB)
2:30pm – 3:30pm	New Investigator Awardee Talk (50 min) (Sponsor confirmed: CSMB)
3:30pm – 4:00pm	Coffee and Refreshments (Sponsor anticipated: Dean, Faculty of Graduate Studies, U Regina)
4:00pm – 6:00pm	Session XI: Metabolomics (Sponsor anticipated: XXXX) 1. Keynote Speaker (30 min) 2. Invited Speaker 1 (15 min) 3. Speaker 2 (15 min) Session XII: Translating Genomics into Clinical Practice (Sponsor anticipated: XXXXX) 1. Keynote Speaker (30 min) 2. Invited Speaker 1 (15 min) 3. Speaker 2 (15 min)
6:00pm – 6:15pm	Closing Ceremony