



IMPACTT/IMC Bioinformatics Workshop Schedule

Blue Room Dining Centre 105, 124 University Gate NW
University of Calgary, Calgary, AB, Canada
May 30 – June 1, 2022

Monday – May 30, 2022

08:30 – 09:00 Welcome and Student Introduction

Module 1

09:00 – 10:00 **Module 1: Introduction to Microbiome Studies**
Instructor: Dr. William Hsiao

10:00 – 10:30 AM Break

Module 2

10:30 – 12:30 **Module 2: Marker Gene Taxonomic Analysis + Lab**
Instructor: Dr. Rob Beiko
TA: Dr. Robyn Wright

12:30 – 13:30 Lunch Break

Module 2 (continued)

13:30 – 14:30 **Module 2: Marker Gene Taxonomic Analysis + Lab**
Instructor: Diana Haider
TA: Dr. Robyn Wright

14:30 – 15:00 PM Break

Special Topic

15:00 – 16:00 **Sample Collection + Prep Lecture**
Instructors: Dr. Marie-Claire Arrieta & Dr. Anita Kozyrskyj

16:00 – 17:00 **Sample Size Calculations**
Instructors: Dr. Marie-Claire Arrieta & Dr. Anita Kozyrskyj

17:00 End of Day

18:30 Group Dinner – Pampa Brazilian Steakhouse

Tuesday – May 31, 2022

Module 3

09:00 – 10:00 **Module 3: Metagenome Taxonomic Analysis**
Instructor: Dr. Morgan Langille

10:00 – 10:30 **AM Break**

Module 3 (continued)

10:30 – 12:30 **Module 3: Metagenome Taxonomic Analysis Lab**
Instructor: Dr. Robyn Wright
TA: Diana Haider

12:30 – 13:30 **Lunch Break**

Module 4

13:30 – 14:30 **Module 4: Metagenome Functional Annotation**
Instructor: Dr. Morgan Langille

14:30 – 15:00 **PM Break**

Module 4 (continued)

15:00 – 17:00 **Module 4: Metagenome Functional Annotation Lab**
Instructor: Dr. Robyn Wright
TA: Dr. Hena Ramay

17:00 **End of Day**

Wednesday – June 1, 2022

Module 5

09:00 – 10:00 **Module 5: Metagenome Assembly + MAGs**
Instructor: Dr. Laura Hug

10:00 – 10:30 **AM Break**

Module 5 (continued)

10:30 – 12:30 **Module 5: Metagenome Assembly + MAGs Lab**
Instructor: Nikhil George
TA: Dr. Robyn Wright

12:30 – 13:30 **Lunch Break**

Module 6

13:30 – 14:30 **Module 6: Transcriptomics**
Instructor: Dr. John Parkinson

14:30 – 15:00 **PM Break**

Module 6 (continued)

15:00 – 17:00 **Module 6: Transcriptomics**
Instructor: Ana Popovic
TA: Dr. Hena Ramay

17:00 **Closing Remarks**