



**HUMAN
CELL
ATLAS**

2023 Human Cell Atlas Latin America in-person Computational and Experimental Design Workshop

Day 1 - 23 October 2023

7:45 AM - 8:00 AM GMT -3 / 6:45 AM - 7:00 AM Your local time (15 Min)

Depart Hotel & Travel time

8:30 AM - 9:00 AM GMT -3 / 7:30 AM - 8:00 AM Your local time (30 Min)

Check-in and Registration

9:00 AM - 9:20 AM GMT -3 / 8:00 AM - 8:20 AM Your local time (20 Min)

Welcoming Remarks

9:20 AM - 10:00 AM GMT -3 / 8:20 AM - 9:00 AM Your local time (40 Min)

HCA Overview and Workshop Goals

10:00 AM - 10:30 AM GMT -3 / 9:00 AM - 9:30 AM Your local time (30 Min)

Morning Break

10:30 AM - 11:00 AM GMT -3 / 9:30 AM - 10:00 AM Your local time (30 Min)

Project overview: Computational

10:30 AM - 11:00 AM GMT -3 / 9:30 AM - 10:00 AM Your local time (30 Min)

Project overview: Experimental

11:00 AM - 12:00 PM GMT -3 / 10:00 AM - 11:00 AM Your local time (1 Hour)

Computational: Introduction to Methods

11:00 AM - 12:00 PM GMT -3 / 10:00 AM - 11:00 AM Your local time (1 Hour)

Experimental: Introduction to Methods

12:00 PM - 1:00 PM GMT -3 / 11:00 AM - 12:00 PM Your local time (1 Hour)

Lunch (Computational and Experimental) + Poster Session 1

Poster Abstracts

1:00 PM - 2:00 PM GMT -3 / 12:00 PM - 1:00 PM Your local time (1 Hour)

Computational: Pre-processing

1:00 PM - 2:00 PM GMT -3 / 12:00 PM - 1:00 PM Your local time (1 Hour)

Experimental: Computational Introduction

2:00 PM - 3:00 PM GMT -3 / 1:00 PM - 2:00 PM Your local time (1 Hour)

Computational: QC

2:00 PM - 3:30 PM GMT -3 / 1:00 PM - 2:30 PM Your local time (1 Hour, 30 Min)

Experimental: Spleen/PBMC

3:00 PM - 3:30 PM GMT -3 / 2:00 PM - 2:30 PM Your local time (30 Min)

Computational: Questions

3:30 PM - 4:00 PM GMT -3 / 2:30 PM - 3:00 PM Your local time (30 Min)

Break (Computational & Experimental)

4:00 PM - 4:30 PM GMT -3 / 3:00 PM - 3:30 PM Your local time (30 Min)

Computational: Preprocessing Lab

4:00 PM - 5:00 PM GMT -3 / 3:00 PM - 4:00 PM Your local time (1 Hour)

Experimental: Cell Counting

4:30 PM - 5:00 PM GMT -3 / 3:30 PM - 4:00 PM Your local time (30 Min)

Computational: QC Lab

5:00 PM - 6:00 PM GMT -3 / 4:00 PM - 5:00 PM Your local time (1 Hour)

Computational: Projects

5:00 PM - 6:00 PM GMT -3 / 4:00 PM - 5:00 PM Your local time (1 Hour)

Experimental: Projects

6:00 PM - 6:30 PM GMT -3 / 5:00 PM - 5:30 PM Your local time (30 Min)

Shuttle to dinner

6:45 PM - 8:30 PM GMT -3 / 5:45 PM - 7:30 PM Your local time (1 Hour, 45 Min)

Dinner at El Mesón Nerudiano

El Mesón Nerudiano:

Domínica 35, 8420339 Recoleta, Región Metropolitana, Chile

*A pre-selected menu will be provided at the restaurant. If you indicated you have a dietary restriction in the form, there will be modified options.

8:30 PM - 8:50 PM GMT -3 / 7:30 PM - 7:50 PM Your local time (20 Min)

Shuttle to Hotel for non-local attendees

Day 2 - 24 October 2023

8:00 AM - 8:30 AM GMT -3 / 7:00 AM - 7:30 AM Your local time (30 Min)

Depart Hotel & Travel Time

8:30 AM - 9:00 AM GMT -3 / 7:30 AM - 8:00 AM Your local time (30 Min)

Welcome Day 2: Summary/Lessons Learned from Day 1 (Computational)

8:30 AM - 9:00 AM GMT -3 / 7:30 AM - 8:00 AM Your local time (30 Min)

Welcome Day 2: Summary/Lessons Learned from Day 1 (Experimental)

9:00 AM - 9:30 AM GMT -3 / 8:00 AM - 8:30 AM Your local time (30 Min)

Experimental: 10x Overview Lecture

9:00 AM - 10:00 AM GMT -3 / 8:00 AM - 9:00 AM Your local time (1 Hour)

Computational: Clustering/DE

9:30 AM - 10:00 AM GMT -3 / 8:30 AM - 9:00 AM Your local time (30 Min)

Experimental: Honeycomb Overview Lecture

10:00 AM - 10:30 AM GMT -3 / 9:00 AM - 9:30 AM Your local time (30 Min)

Morning Break (All)

10:30 AM - 11:00 AM GMT -3 / 9:30 AM - 10:00 AM Your local time (30 Min)

Experimental: Honeycomb Loading

10:30 AM - 12:00 PM GMT -3 / 9:30 AM - 11:00 AM Your local time (1 Hour, 30 Min)

Computational: Clustering/DE Lab

11:00 AM - 12:00 PM GMT -3 / 10:00 AM - 11:00 AM Your local time (1 Hour)

Experimental: 10x Loading

12:00 PM - 1:00 PM GMT -3 / 11:00 AM - 12:00 PM Your local time (1 Hour)

Lunch (Computational & Experimental) + Poster Session II

Poster Abstracts

1:00 PM - 2:00 PM GMT -3 / 12:00 PM - 1:00 PM Your local time (1 Hour)

Computational: Data Integration

1:00 PM - 3:30 PM GMT -3 / 12:00 PM - 2:30 PM Your local time (2 Hours, 30 Min)

Experimental: 10x cDNA Amp/Clean

2:00 PM - 3:30 PM GMT -3 / 1:00 PM - 2:30 PM Your local time (1 Hour, 30 Min)

Computational: Cell Type Annotation/DE

3:30 PM - 4:00 PM GMT -3 / 2:30 PM - 3:00 PM Your local time (30 Min)

Afternoon Break (All)

4:00 PM - 4:30 PM GMT -3 / 3:00 PM - 3:30 PM Your local time (30 Min)

Computational: Data Integration Lab

4:00 PM - 5:00 PM GMT -3 / 3:00 PM - 4:00 PM Your local time (1 Hour)

Experimental: cDNA clean-up

4:30 PM - 5:00 PM GMT -3 / 3:30 PM - 4:00 PM Your local time (30 Min)

Computational: Cell Type Annotation/DE Lab

5:00 PM - 6:00 PM GMT -3 / 4:00 PM - 5:00 PM Your local time (1 Hour)

Computational: Projects

5:00 PM - 6:00 PM GMT -3 / 4:00 PM - 5:00 PM Your local time (1 Hour)

Experimental: Projects

6:30 PM - 6:30 PM GMT -3 / 5:30 PM - 5:30 PM Your local time (0 Min)

Depart

Day 3 - 25 October 2023

8:00 AM - 8:30 AM GMT -3 / 7:00 AM - 7:30 AM Your local time (30 Min)

Depart Hotel and Travel Time

8:30 AM - 9:00 AM GMT -3 / 7:30 AM - 8:00 AM Your local time (30 Min)

Welcoming Remarks Day 3 - Summary/Lessons Learned Day 2
(Computational)

8:30 AM - 9:00 AM GMT -3 / 7:30 AM - 8:00 AM Your local time (30 Min)

Welcoming Remarks Day 3 - Summary/Lessons Learned Day 2
(Experimental)

9:00 AM - 10:00 AM GMT -3 / 8:00 AM - 9:00 AM Your local time (1 Hour)

Computational: Trajectory Inference

9:00 AM - 10:00 AM GMT -3 / 8:00 AM - 9:00 AM Your local time (1 Hour)

Experimental: 10x Library Prep

10:00 AM - 10:30 AM GMT -3 / 9:00 AM - 9:30 AM Your local time (30 Min)

Morning Break (All)

Experimental group: Frag or Ligation happening

10:30 AM - 11:00 AM GMT -3 / 9:30 AM - 10:00 AM Your local time (30 Min)

Experimental: 10x Library Prep

10:30 AM - 12:00 PM GMT -3 / 9:30 AM - 11:00 AM Your local time (1 Hour, 30 Min)

Computational: Trajectory Inference Lab

11:30 AM - 12:00 PM GMT -3 / 10:30 AM - 11:00 AM Your local time (30 Min)

Experimental: Honeycomb start

12:00 PM - 1:00 PM GMT -3 / 11:00 AM - 12:00 PM Your local time (1 Hour)

Lunch (Computational & Experimental) + Poster Session III

Poster Abstracts

1:00 PM - 1:30 PM GMT -3 / 12:00 PM - 12:30 PM Your local time (30 Min)

Computational: TI Questions

1:00 PM - 3:30 PM GMT -3 / 12:00 PM - 2:30 PM Your local time (2 Hours, 30 Min)

Experimental: Honeycomb

1:30 PM - 3:30 PM GMT -3 / 12:30 PM - 2:30 PM Your local time (2 Hours)

Computational: Cell-Cell Communication

3:30 PM - 4:00 PM GMT -3 / 2:30 PM - 3:00 PM Your local time (30 Min)

Afternoon Break (All)

4:00 PM - 5:00 PM GMT -3 / 3:00 PM - 4:00 PM Your local time (1 Hour)

Computational: Cell-Cell Communication Lab

4:00 PM - 5:00 PM GMT -3 / 3:00 PM - 4:00 PM Your local time (1 Hour)

Experimental: Honeycomb

5:00 PM - 6:00 PM GMT -3 / 4:00 PM - 5:00 PM Your local time (1 Hour)

Computational: Projects

5:00 PM - 6:00 PM GMT -3 / 4:00 PM - 5:00 PM Your local time (1 Hour)

Experimental: Projects

6:00 PM - 6:00 PM GMT -3 / 5:00 PM - 5:00 PM Your local time (0 Min)

Depart

Day 4 - 26 October 2023

8:00 AM - 8:30 AM GMT -3 / 7:00 AM - 7:30 AM Your local time (30 Min)

Depart Hotel and Travel Time

8:30 AM - 9:00 AM GMT -3 / 7:30 AM - 8:00 AM Your local time (30 Min)

Welcome Day 4 - Summary/Lessons Learned from Day 3 (Computational)

8:30 AM - 9:00 AM GMT -3 / 7:30 AM - 8:00 AM Your local time (30 Min)

Welcome Day 4 - Summary/Lessons Learned from Day 3 (Experimental)

9:00 AM - 10:00 AM GMT -3 / 8:00 AM - 9:00 AM Your local time (1 Hour)

Computational: TCR/Cite-Seq

9:00 AM - 10:00 AM GMT -3 / 8:00 AM - 9:00 AM Your local time (1 Hour)

Experimental: TBD

10:00 AM - 10:30 AM GMT -3 / 9:00 AM - 9:30 AM Your local time (30 Min)

Morning Break (All)

10:30 AM - 12:00 PM GMT -3 / 9:30 AM - 11:00 AM Your local time (1 Hour, 30 Min)

Computational: TCR/Cite-Seq Lab

10:30 AM - 12:00 PM GMT -3 / 9:30 AM - 11:00 AM Your local time (1 Hour, 30 Min)

Experimental: TBD

12:00 PM - 1:00 PM GMT -3 / 11:00 AM - 12:00 PM Your local time (1 Hour)

Lunch (Computational & Experimental) + Remove Posters

Poster Abstracts

1:00 PM - 1:30 PM GMT -3 / 12:00 PM - 12:30 PM Your local time (30 Min)

Experimental: Buffer

1:00 PM - 3:30 PM GMT -3 / 12:00 PM - 2:30 PM Your local time (2 Hours, 30 Min)

Computational: Projects

1:30 PM - 3:30 PM GMT -3 / 12:30 PM - 2:30 PM Your local time (2 Hours)

Experimental: Computational Introduction

3:30 PM - 4:00 PM GMT -3 / 2:30 PM - 3:00 PM Your local time (30 Min)

Afternoon Break (All)

4:00 PM - 5:00 PM GMT -3 / 3:00 PM - 4:00 PM Your local time (1 Hour)

Computational: Recap

4:00 PM - 5:00 PM GMT -3 / 3:00 PM - 4:00 PM Your local time (1 Hour)

Experimental: Recap

5:00 PM - 6:00 PM GMT -3 / 4:00 PM - 5:00 PM Your local time (1 Hour)

Computational: Projects

5:00 PM - 6:00 PM GMT -3 / 4:00 PM - 5:00 PM Your local time (1 Hour)

Experimental: Projects

6:30 PM - 7:00 PM GMT -3 / 5:30 PM - 6:00 PM Your local time (30 Min)

Depart for Dinner (offsite venue)

6:45 PM - 8:30 PM GMT -3 / 5:45 PM - 7:30 PM Your local time (1 Hour, 45 Min)

Dinner at Espacio Gárgola

Espacio Gárgola:

Maipú 357, 8350480 Santiago, Región Metropolitana, Chile

*Meals have been preselected for us. You choose between two upon arrival. If you indicated you have a dietary restriction in the form, there you will have the modified option chosen.

8:30 PM - 9:00 PM GMT -3 / 7:30 PM - 8:00 PM Your local time (30 Min)

Depart for Hotel (non-local participants)

Day 5 - 27 October 2023

8:00 AM - 8:30 AM GMT -3 / 7:00 AM - 7:30 AM Your local time (30 Min)

Depart and Travel

8:30 AM - 9:00 AM GMT -3 / 7:30 AM - 8:00 AM Your local time (30 Min)

Welcoming Remarks Final Day - Summary/Lessons Learned Day 4 (Experimental)

8:30 AM - 9:00 AM GMT -3 / 7:30 AM - 8:00 AM Your local time (30 Min)

Welcoming Remarks Final Day- Summary/Lessons Learned Day 4 (Computational)

9:00 AM - 9:30 AM GMT -3 / 8:00 AM - 8:30 AM Your local time (30 Min)

Computational & Experimental: Joint recap - Wetlab results

10:00 AM - 10:30 AM GMT -3 / 9:00 AM - 9:30 AM Your local time (30 Min)

Morning Break (All)

10:30 AM - 12:30 PM GMT -3 / 9:30 AM - 11:30 AM Your local time (2 Hours)

Project Presentations (Computational & Experimental)

12:30 PM - 12:45 PM GMT -3 / 11:30 AM - 11:45 AM Your local time (15 Min)

Closing Remarks

12:45 PM - 1:00 PM GMT -3 / 11:45 AM - 12:00 PM Your local time (15 Min)

Group Photos

1:00 PM - 2:00 PM GMT -3 / 12:00 PM - 1:00 PM Your local time (1 Hour)

Lunch & Depart