

LSARP Workshop – 27 May 2022

The Value of Genomes and Genomics in Canadian Wildlife

Workshop Leads:

Maribeth Murray, Arctic Institute of North America
Srijak Bhatnagar, Athabasca University
Amy Chabot, Queens University/African Lion Safari
Lila Colston-Nepali, Queen's University

Workshop Goals

1. Participants discuss the fundamentals of genomes, how genomes as a “tool” work, what kind of questions genomes can help to address
2. Participants discuss the fundamentals of genomics, how genomics as a “tool” works, what kind of questions genomics can help to address
3. Discussion about planning and considerations for the development of high-quality reference genomes for Canadian species.
4. Identify species selection criteria.
5. Begin to identify which Canadian species would most benefit from a high-quality reference genome and sources of tissue for lab work.

Agenda

8:45 – 9:00 am	Territorial Acknowledgement and Welcome <i>Maribeth Murray</i>
9:00 – 9:15 am	Introductions – Workshop Leaders and Participants <i>Amy Chabot</i>
9:15 – 9:30 am	Introduction to the Canada BioGenomes Project <i>Steven Jones/Maribeth Murray</i>
9.30 – 9.45 am	The Value of Reference Genomes <i>Amy Chabot</i>
9.45 – 10:15 am	Group Discussion – Address Goal 1
10:15 – 10:30 am	Break

- 10:30 – 11:00 am The Value of Genomics
Lila Colston-Nepali
- 11:00 – 11:30am Group Discussion 2 – Address Goal 2
- 11:30 – 11:40 am Considerations and Planning
Amy Chabot
- 11:40 – 12:00 pm Group Discussion 3 – Address Goal 3
- 12 – 1 pm **LUNCH**
- 1:00 – 1:15 pm Identifying criteria for species selection
Amy Chabot
- 1:15 – 2:00 pm Group Discussion 4 – Address Goal 4
- 2:00 – 2:15 pm **Break**
- 2:15 – 2:30 pm Status of genomics research on Canadian wildlife
Maribeth Murray/Srijak Bhatnagar
- 2.30 – 4:00 pm Group Discussion – Address Goal 5
- 4:00 – 4:30 pm Action Items for Next Steps and Adjournment
Maribeth Murray