**NMD4C 2024 Summer School Program**

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| **Time** | **Monday May 27****Cell-based models of rare NMDs** |
| 8:30 am – 9:00 am | Registration |
| 9:00 am – 9:20 am | Welcome (added a bit more time here to introduce the short talks in addition to the Summer School) |
| 9:20 am – 10:10 am | Participant flash talks (16 presentations) |
| 10:10 am – 10:30 am | Lecture: *Patient Partner1 – Andrea Cleary and Simon Hogue* |
| 10:30 am – 11:00 am | Lecture: **Hanns Lochmüller** |
| 11:00 am – 11:15 am | Coffee break |
| 11:15 am – 11:45 am | Lecture: **Christopher Perry** |
| 11:45 am – 12:15 pm | Lecture: **Elise Duchesne** |
| 12:15 pm – 1:30 pm | Lunch |
| 1:30 pm – 1:50 pm | Introduction to Workshop: **Benoit Gentil & Natasha Chang** |
| 2:00 pm – 3:30 pm | **Group 1 Workshop:** Cell culture models of rare diseases (Gentil lab)**Group 2 Workshop:** Muscle satellite stem cell isolation from mouse models (Chang lab) |
| 3:30 pm – 4:00 pm | Travel between labs |
| 4:00 pm – 5:30 pm | **Group 1 Workshop:** Muscle satellite stem cell isolation from mouse models (Chang lab)**Group 2 Workshop:** Cell culture models of rare diseases (Gentil lab) |
| 6:00 pm – 8:00 pm | Networking Dinner |

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| **Time** | **Tuesday May 28****Bioinformatics** |
| 9:00 am – 10:00 am | Participant flash talks (20 presentations) |
| 10:00 am – 10:15 am | Lecture: *Patient Partner2: Fanny Chagnon* |
| 10:15 am – 10:30 am | Lecture: *Patient Partner3: Yan Défossés* |
| 10:30 am – 11:00 am | Lecture: **Mark Aurousseau** (**eNuvio)** |
| 11:00 am – 11:15 am | Coffee break |
| 11:15 am – 11:45 am | Lecture: **Mireille Khacho** |
| 11:45 am – 12:15 pm | Lecture: **Vahab Soleimani** |
| 12:15 pm – 1:30 pm | Lunch |
| 1:30 pm – 1:50 pm | Presentation: Luc Parent (Amazon)**/ Amazon** |
| 2:00 pm – 3:30 pm | Introduction to Workshop: **Martine Tétreault****Workshop (Part 1):** Bioinformatics analysis of bulk and single-cell RNA-sequencing data sets |
| 3:30 pm – 4:00 pm | Coffee break |
| 4:00 pm – 5:30 pm | **Workshop (Part 2):** Bioinformatics analysis of bulk and single-cell RNA-sequencing data sets |
| 6:00 pm – 8:00 pm | Wine & Cheese**Round table panel discussion:** Models and Omics in NMD*Panelists:* Vahab Soleimani*,* Martine Tetreault*,* Benoit Gentile*,* Nicolas Dumont*,* Mark Aurousseau, Chris Perry |