

Livia Garzia-Round 20

Functional genomics of metastatic Ewing sarcoma *Funded in partnership Ewing Cancer Foundation Canada and Childhood Cancer Canada Foundation.*

Publications

1. Sima Khazaei, Nicolas De Jay, Shriya Deshmukh, Liam D. Hendrikse, Wajih Jawhar, Carol C.L. Chen, Leonie G. Mikael, Damien Faury, Dylan M. Marchione, Joel Lanoix, Éric Bonneil, Takeaki Ishii, Siddhant U. Jain, Kateryna Rossokhata, Tianna S. Sihota, Robert Eveleigh, Véronique Lisi, Ashot S. Harutyunyan, Sungmi Jung, Jason Karamchandani, Brendan C. Dickson, Robert Turcotte, Jay S. Wunder, Pierre Thibault, Peter W. Lewis, Benjamin A. Garcia, Stephen C. Mack, Michael D. Taylor, Livia Garzia, Claudia L. Kleinman and Nada Jabado. H3.3 G34W Promotes Growth and Impedes Differentiation of Osteoblast-Like Mesenchymal Progenitors in Giant Cell Tumor of Bone. *Cancer Discovery* DOI: 10.1158/2159-8290.CD-20-0461 Published December 2020

Abstracts and Conference Presentations

2. **1st Annual Orthopaedic Research meeting.** Generation of Bone Sarcoma PDX Mouse Models and Functional Characterization of Novel Gene fusions Using Engineered Cell Systems." Settings: 29-10-2018, Goodman Cancer Research Center, Montreal, Quebec.
3. **19th Annual McGill Biomedical Graduate Conference.** Title: "Functional Genomics of Metastatic Ewing Sarcoma"
4. 33rd Annual Genes and Cancer Meeting. "*Functional Genomics of Metastatic Ewing Sarcoma*". 08-04-2019, University of Cambridge, Cambridge, United Kingdom.
5. 4th Annual Cancer Research Program Research Day. "*Functional Genomics of Metastatic Ewing Sarcoma*" 03-05-2019, Research Institute of the McGill University Health Centre, Montreal, Quebec.
6. 3rd Annual Congrès provincial de la recherche mère-enfant. "*Functional Genomics of Metastatic Ewing Sarcoma*". 16-05-2019, Research Institute of the McGill University Health Centre, Montreal, Quebec.
7. 13th Annual Human Genetics Research Day. "*Functional Genomics of Metastatic Ewing Sarcoma*" 21-05-2019, McGill University, Montreal, Quebec.
8. AACR Advances in Pediatric Cancer Research Conference. "*Functional Genomics of Metastatic Ewing Sarcoma*". 17-09-2019, Montreal, Quebec.
9. 51st Congress of the "Société Internationale d'Oncologie Pédiatrique" (SIOP). "Functional Genomics of Metastatic Ewing Sarcoma" 23-10-2019, Lyon, France.
10. Goodman Cancer Research Centre Research Day. "*Cooperating Genetic events in Fusion-driven pediatric Sarcomas*". 27-10-2019, Montreal, Quebec.

11. Annual McGill Biomedical Graduate Conference. *“Deciphering metastasis maintenance and chemo resistance events in CIC-DUX4 sarcomas”*. 21-10-2020 virtual

Invited Presentations (including Grand Rounds)

12. Invited Speaker Montreal Children Hospital Open house, Sept. 25th 2019. *“Unraveling the genetic basis of cancer recurrence and metastasis in pediatric cancers such as bone sarcomas and brain tumours”*.
13. Invited Speaker INSERM Nantes, France. Nov. 14th 2019. *“Deciphering progression driving genes in pediatric cancers”*.
14. Invited Speaker 2020 Nearburg Ewing Sarcoma Meeting, Jan 2020 in Vienna. *“Functional genomics of Ewing sarcoma in hMSC”* This is a prestigious invite-only meeting, where North American, Asian and European experts in Ewing sarcoma meet to discuss the state of the field and how to move forward translational research

Other Knowledge Translation Activities

(e.g., public presentations, public media, institutional media spotlights)

15. Montreal Children Hospital Open house, Sept. 25th 2019. *“Unraveling the genetic basis of cancer recurrence and metastasis in pediatric cancers such as bone sarcomas and brain tumours”*.