

IMEG Seminar Series

The road to global science

Dr. Andrew Stergachis

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May 13th, 2022, 10:00~11:00

Single-molecule chromatin fiber sequencing

Please go to the following page to register and get Zoom ID.

<https://www.keyforum2021.org/imegseminar>

Dr. Stergachis' research focuses on how alterations in the non-coding genome impact human health and disease. To address this question, his laboratory develops single-molecule chromatin fiber sequencing approaches to unravel the biological impact of non-coding genetic and epigenetic variants. His laboratory has begun leveraging single-molecule chromatin fiber sequencing to uncover nucleotide-precise maps of the genetic and chromatin structure of previously unmappable portions of the human genome, such as telomeres, centromeres, and large repeat elements, demonstrating novel forms of chromatin compaction unique to these essential genomic regions.