

IMEG Seminar Series

The road to global science

Dr. Andrew Stergachis

**Assistant Professor, Division of Medical Genetics,
Adjunct Assistant Professor, Genome Sciences, University of Washington, USA**



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

Single-molecule chromatin fiber sequencing

This seminar series is open to all students and researchers in Kumamoto University.
The Zoom ID and passcode were sent via email. Check your inbox!

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.