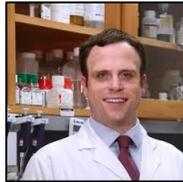


Landscape of DNA and RNA Methylation



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- #1 – Genome-wide epigenetic profiles of DNA methylation changes
- #2 – A comprehensive catalog of coding and noncoding, small and large RNA
- #3 – Transcriptome-wide maps of RNA methylation sites

Implications of the Research for Space & Earth

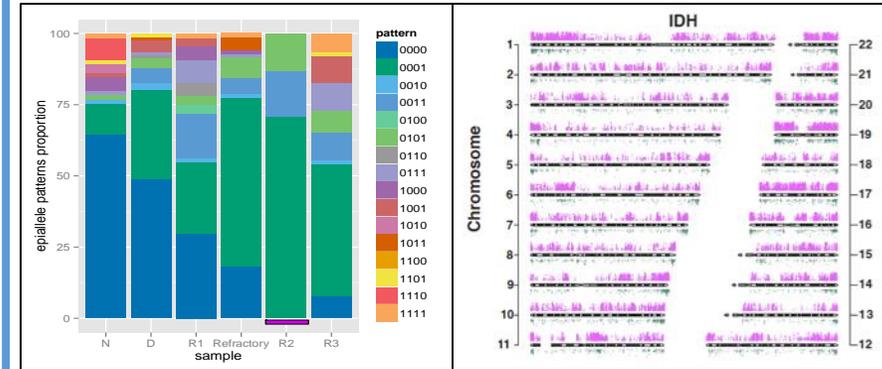


Space: (1) Establish the genetic networks and expression patterns activated by space travel, (2) trace clonality of epigenetic changes, (3) examine the methylation of RNA



Earth: Aid research on aging, cancer, RNA biology, and circadian rhythm, all of which show differences at the (epi)genome & (epi)transcriptome

Δ in Epigenetics : Loci, regions, and clones



Δ in Transcriptome : Genes, Isoform, Edits, Allele, SNVs, ncRNAs, Fusions, & Methylation

