

Foundations of Biomedical Research
Foundations of Biomedical Research for Quantitative Students

DATE 2022	WEEK	TOPIC	TOPIC LEADER
Aug 29 - Sept 2	Week 1	How Did We Get Here: A Brief History of Biomedical Science	Lorenz
Sept 5 - 9	Week 2	Genetics	Arur
Sept 12 - 16	Week 3	DNA structure, Replication, Chromatin, epigenetics, transcription	Bartholomew
Sept 19- 23	Week 4	Cell Cycle, DNA Damage and Repair Machinery	Cole
Sept 26 - Sept 30	Week 5	RNA and the Transcriptome	van Hoof
Oct 3 - 7	Week 6	Birth and Destruction of Proteins	Denicourt
Oct 10 - 14	Week 7	Cell Biology	Kim
Oct 17 - 21	Week 8	Cytoskeletal Dynamics and Cell Motility	Eisenhoffer
Oct 24 - 28	Week 9	Extracellular and Intracellular Signaling	Cunha
Oct 31 - Nov 4	Week 10	Developmental Biology	Behringer/Miller
Nov 7 - 11	Week 11	Infectious Diseases and Antimicrobial Drug Resistance	Lorenz / Arur
Nov 14 - 18	Week 12	Immune cells, functions and therapies	Reuben
Nov 21 - 25	Thanksgiving	no core course classes this week	N/A
Nov 28 - Dec 2	Week 13	Introduction to Qunatitative Sciences	Sahni and Hart
Dec 5 - 9	Week 14	Neuroscience	Venkatachalam