

Foundations of Biomedical Research
Foundations of Biomedical Research for Quantitative Students

DATE 2023	WEEK	TOPIC	TOPIC LEADER
Aug 28 - Sept 1	Week 1	How Did We Get Here: A Brief History of Biomedical Science	Lorenz
Sept 4 - 8	Week 2	Genetics	Arur
Sept 11 - 15	Week 3	Cell Cycle, DNA Replication, DNA Damage and Repair Machinery	Cole
Sept 18- 22	Week 4	DNA Structure, Chromatin, Epigenetics, Transcription	Bartholomew
Sept 25 - 29	Week 5	RNA and the Transcriptome	van Hoof
Oct 2 - 6	Week 6	Birth and Destruction of Proteins	Denicourt
Oct 9 - 13	Week 7	Cell Biology	Kim
Oct 16 - 20	Week 8	Cytoskeletal Dynamics and Cell Motility	Eisenhoffer
Oct 23 - 27	Week 9	Extracellular and Intracellular Signaling	Cunha
Oct 30 - Nov 3	Week 10	Developmental Biology	Behringer/Miller
Nov 6 - 10	Week 11	Infectious Diseases and Antimicrobial Drug Resistance	Lorenz
Nov 13 - 17	Week 12	Immune Cells, Functions and Therapies	Reuben
Nov 20 - 24	Thanksgiving	No core course classes this week	N/A
Nov 27 - Dec 1	Week 13	Quantitative Sciences	Sahni and Hart
Dec 4 - 8	Week 14	Neuroscience	Venkatachalam

Journal Club/Fun Activity
Journal Club
Science Activities/ Team building session
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