This seminar series is a collaboration between the Departments of Genetics, Medicine, Pathology & Immunology, Pediatrics, and Becker Medical Library. The series is sponsored by the Washington University Institute of Clinical and Translational Sciences, NIH award UL1 TR000448.

Genomics in Medicine
2016-2017

FALL 2016
Aug. 31 Molecular Biology/Genetics Refresher
Sept. 7 Molecular Biology/Genetics Refresher - Cancer
Sept. 14 The Genetic Basis of Disease
Sept. 21 Statistics for Genomics Research
Sept. 28 Genomes & Genome Browsers
Oct. 5 Genome Sequencing Technologies
Oct. 12 Genetic Variation & Disease
Oct. 19 Copy Number Variation
Oct. 26 Research Software Resources
Nov. 2 Proteomics & Mass Spec
Nov. 9 Genome Engineering & iPSCs
Nov. 16 From Genomic Data to Biological Knowledge
Nov. 23 NO SEMINAR - THANKSGIVING WEEK
Nov. 30 Epigenetics
Dec. 7 Analysis of the Transcriptome

SPRING 2017
Jan. 18 Germline Genomics & Non-Cancer Case Studies
Jan. 25 Genomics of Microbes & Microbiomes
Feb. 1 Analysis of the Human Virome
Feb. 8 Biospecimen Resources for Biomarker Validation
Feb. 15 Cancer Genome Sequencing - Clinical Implications
Feb. 22 Ethics & Regulation of Genomic Research
Mar. 1 Susceptibility Genetics
Mar. 8 Informatics Resources for Clinical Interpretation of Cancer Genome Variants
Mar. 15 NO SEMINAR - SPRING BREAK
Mar. 22 Precision Medicine & Healthcare Transformation
Mar. 29 Cancer Case Studies
Apr. 5 Metabolomics
Apr. 12 Consumer Genomics
Apr. 19 Clinical Genomic Testing - GPS@WUSTL
Apr. 26 Panel Discussion - the Future of Genomic Medicine

Schedule subject to change. Up-to-date schedule and speaker listing at https://becker.wustl.edu/GenomicMedicine.

When: Wednesdays at 4:00 PM
Where: Holden Auditorium
Who can attend: This lecture series is designed for clinicians and other interested persons, including basic science researchers, students, residents, fellows, post-doctoral scholars, and anyone else who wishes to learn more about these topics from WUSM faculty experts.

Students interested in enrolling in the seminar series for credit can earn up to two units of academic credit. Contact crtcmsci@email.wustl.edu to learn more and register.

Visit the seminar series webpage to see the most up-to-date schedule and speaker listing and to sign up for the mailing list to receive updates and reminders: https://becker.wustl.edu/GenomicMedicine.

Contact vanam@wustl.edu or ndonwimaze@wustl.edu with questions.

This seminar series offers attendees a practical background in molecular biology and genetics, an introduction to genomics technologies and research, and an understanding of the clinical application of genomics knowledge.