Genomics and the Era of Personalized Medicine

**FALL 2015**

- Aug. 26 Molecular Biology/Genetics Refresher
- Sept. 2 The Genetic Basis of Disease*
- Sept. 9 Molecular Biology/Genetics Refresher - Cancer*
- Sept. 16 Statistics for Genomics Research
- Sept. 23 Genome Sequencing Technologies*
- Sept. 30 Genetic Variation and Disease*
- Oct. 7 Copy Number Variation*
- Oct. 14 Analysis of the Transcriptome
- Oct. 21 Proteomics and Mass Spec
- Oct. 28 Genome Engineering and iPSCs
- Nov. 4 Research Software Resources
- Nov. 11 CANCELED
- Nov. 18 Genomes and Genome Browsers
- Nov. 25 NO SEMINAR - THANKSGIVING WEEK
- Dec. 2 Epigenetics

**SPRING 2016**

- Jan. 20 Susceptibility Genetics
- Jan. 27 Genomics of Microbes and Microbiomes
- Feb. 3 Consent and Ethics
- Feb. 10 Biospecimen Resources for Biomarker Validation
- Feb. 17 Informatics Resources for Clinical Interpretation of Cancer Genome Variants
- Feb. 24 Cancer Case Studies
- Mar. 2 Germline Genomics, Non-Cancer Case Studies
- Mar. 9 Cancer Genome Sequencing - Clinical Implications
- Mar. 16 NO SEMINAR - SPRING BREAK
- Mar. 23 From Genomic Data to Biological Knowledge
- Mar. 30 CANCELED
- Apr. 6 Metabolomics
- Apr. 13 Consumer Genomics
- Apr. 20 Clinical Genomic Testing - GPS@WUSTL
- Apr. 27 Panel Discussion - the Future of Genomic Medicine

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

**When:** Wednesday afternoons at 4:00 PM  
**Where:** Holden Auditorium (*Moore 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@dom.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](https://becker.wustl.edu/GenomicMedicine).

Contact vanam@wustl.edu or ndonwim@wusm.wustl.edu with questions.

This seminar series introduces principles of genomics in medicine as they apply to clinical research and provides a practical background in molecular biology and genetics. The series also provides an introduction to genomics research and applications of genomics technologies in the research environment as well as an understanding of the clinical application of genomics knowledge.

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.