

Laboratory Genetics and Genomics (LGG) - Typical Weekly Schedule

	Monday	Tuesday	Wednesday	Thursday		Friday
8:00am	Laboratory	Laboratory	Medical Genetics Journal Club	Laboratory	Laboratory	Laboratory
8:30am						
9:00am	UWMC Cytogenetics Lab & UWMC Clinical Genomic Lab Meeting	FHCC Cytogenetics Lab Meeting	Medical Genetics Case Conference	Laboratory	Laboratory	MED 522 Intro to Human and Medical Genetics (2nd year didactics, 2 hours per week for 9 months)
9:30am						
10:00am	Laboratory	Laboratory	Laboratory	Laboratory	Laboratory	Laboratory
10:30am						
11:00am	Fellow/PD Meeting	Laboratory	Laboratory	Laboratory	Laboratory	Laboratory
11:30am						
12:00pm	Laboratory	PATH 530 Human Cytogenetics (1st year spring quarter, 4 credit course)	Pathology Grand Rounds (research)	PATH 530 Human Cytogenetics (1st year spring quarter, 4 credit course)	UWMC Genetics and Solid Tumors Lab Meeting	Medical Genetics Seminar (research)
12:30pm						
1:00pm	SCH Cytogenetics Lab SCH Molecular Genetics Lab Meeting	Laboratory	Laboratory	Laboratory	Laboratory	Laboratory
1:30pm						
2:00pm	Laboratory	Laboratory	LabMed Grand Rounds (research)	Laboratory	Laboratory	Laboratory
2:30pm						
3:00pm	Laboratory	Laboratory	Laboratory	Laboratory	Laboratory	CPDx Exome Variant Conference
3:30pm						
4:00pm	Laboratory	Laboratory	Laboratory	Laboratory	Laboratory	Laboratory
4:30pm						

Required

Required during rotation

Optional

Outpatient: 5% outpatient at the UW Genetics clinic (total: 5 months, 8 hours monthly)

Laboratory	Rotation	Details
UWMC Cyto	UWMC Cytogenetics Laboratory	<ul style="list-style-type: none"> • Orientation (Basic training: Biosafety, Blood Pathogens, HIPAA, etc.) • Chromosome identification, Banding, Karyotyping, FISH, Tissue cultures • Constitutional: 2 months (Prenatal and postnatal) • Neoplasia: 2 months
UWMC CGL	UWMC Clinical Genomics Laboratory	<ul style="list-style-type: none"> • Genomic Microarray analysis, ddPCR, Y-PCR male infertility, Fusionplex RNA analysis, NGS • Constitutional: 1 month (Prenatal and postnatal) • Neoplasia: 1 month
UWMC CDL	UWMC Collagen Diagnostic Laboratory	<ul style="list-style-type: none"> • NGS panel, Sanger sequencing, Fragment analysis, Prenatal/Carrier Testing • Constitutional: 2 months (Prenatal and postnatal)
UWMC GST	UWMC Genetics and Solid Tumors Lab	<ul style="list-style-type: none"> • NGS Basics, Exome, Targeted Gene Panels, NIPT, Fragment analysis, Southern analysis, Genotype detection, Prenatal/Carrier Testing • Constitutional: 2 months (Prenatal, prenatal carrier test, and postnatal) • Molecular Oncology • Neoplasia 2 months
FHCC CCG	FHCC Clinical Cancer Genomics laboratory	<ul style="list-style-type: none"> • Karyotyping, FISH, Genomic Microarray analysis • Neoplasia: 1.5 months
FHCC Immuno	FHCC Immunogenetics Laboratory	<ul style="list-style-type: none"> • Immunogenetics, Neoplasia: 2 weeks
SCH Cyto/Mol	SCH Cytogenetics and Molecular Genetics Laboratories	<ul style="list-style-type: none"> • Karyotyping, FISH, Genomic Microarray analysis • Fragment analysis, Genotype detection, Carrier Testing, NGS gene panels, Sanger Sequencing and MLPA • Constitutional: 1.5 month (postnatal)
SCH BC	SCH Biochemistry Laboratory	<ul style="list-style-type: none"> • Biochemical Genetics, Constitutional: 2 weeks

Outpatient: 5% outpatient at the UWMC and SCH Genetics clinics (total: 6.5 months, 8 hours/month)

5% outpatient UWMC Maternal Fetal Medicine Clinic (1 month, 8 hours)

Didactic/courses:

- Medical Genetics Journal Club and Genetic Case Conference (2 hrs per week)
- Medical Genetics Seminar (1 hr per week)
- Human Cytogenetics (PATH 530) (1st year spring quarter, 4 credit course)
- Introduction to Human and Medical Genetics (MED 522) (2nd year didactics, 2 hours per week for 9 months)

