

Children's Mercy Lab Genetics and Genomics Monthly Rotation Schedule

Year 1		Rotations						
		July		August	September	October	November	December
		Intro to Molecular (2 weeks)	Intro to Cytogenet (2 weeks)	Germline [Constitutional Cytogenetics (cell culture, slide prep, karyotyping)] (3 months)			Somatic [Cancer Cytogenetics], cell culture, slide prep, karyo+FISH (3 months)	
Year 1		January	February	March	April	May	June	
		Somatic [Cancer Cytogenetics] (cont.)	Clinics and Counseling Rotation (2 weeks)	Germline [traditional molecular methods (PCR, fragment analysis), NGS bootcamp for variant int] (4.5 months)				
Year 2		July	August	September	October	November	December	
		Germline [microarray analysis] (3 months)			Somatic [Cancer Cytogenetics] (5 months)			
Year 2		January	February	March	April	May	June	
		Somatic [Cancer Cytogenetics] (cont.)		Somatic [microarray analysis and molecular methods] (2-months)		Germline[NGS analysis] (5 months)		
Year 3		July	August	September	October		November	December
		Germline[NGS analysis] (5 months)			Biochemical Genetics Rotation (2 weeks)	Clinics and Counseling Rotation (KU) (2 weeks)	Clinics & Counseling rotation (1 month)	Pharmacogenomics (1 month)
Year 3		January	February	March	April	May	June	
		Concentration Period/Research (6 months)						