

BME140 – Bioinstrumentation

Talks titles and groups for the Pyrosequencing, Nanopipette and FACS labs

Table 1. Talk titles per group. These talks will happen from November 17th to December 1st.

Title due Thursday, Oct 15	
Members	Title
Rogelio and Alison	Solving protein structure with Rosetta
Swathi and Vinay	Tissue engineering
Mark and Henry	The fundamentals, applications and future directions of antibody drug conjugates
Pin-Hsi and Christian	CRISPR/ Cas 9 gene editing
Christina and Reema	The automation and utility of microfluidic chips
Anthony and Kelly	Optogenetics: controlling ion channels with light
Sara and Scott	SAXS usage and methodology
Rachel and Sina	Nanopore sequencing: current limitations, challenges and how to address them
Trina and Duy	Biobricks
Abdullah and Mila	Microfluidics
Nina, Julie and Craig	Emerald Cloud Labs: a fully automated laboratory in the cloud for scientists

Table 2. Groups for the Pyrosequencing, Nanopipette and FACS labs.

G1		G2	
Rogelio	Pin-Hsi	Mark	Rachel
Alison	Christian	Henry	Sina
Swathi	Christina	Julie	Trina
Vinay	Reema	Nina	Duy
Antony	Sara	Craig	Abdullah
Kelly	Scott		Mila