

GlycoBootcamp 2022 Schedule					
Week 1					
Time	Monday, July 18, 2022	Tuesday, July 19, 2022	Wednesday, July 20, 2022	Thursday, July 21, 2022	Friday, July 22, 2022
Lecturer	Jeffrey Esko & Kamil Godula	Jeffrey Esko	Kamil Godula	Kamil Godula	Lance Wells
Topic	Overview (JE, in person) Glycolipids (KG in person)	GAGs (In person)	N-Linked Glycans (in person)	O-Linked Glycans (In person)	Glycoproteomics (Zoom)
8:30 - 9:20	Lecture & Breakfast BRF2 1104 (Conference Room)	Lecture & Breakfast BRF2 1104 (Conference Room)	Lecture & Breakfast BRF2 1104 (Conference Room)	Lecture & Breakfast BRF2 4103 (Conference Room)	Lecture & Breakfast BRF2 4103 (Conference Room)
9:20 - 9:30	Break	Break	Break	Break	Break
9:30 - 10:20	Lecture (Glycolipids) KG BRF2 1104 (Conference Room)	Lab Orientation (BC) BRF2 4243 (Lab)	Lab Orientation (BC/SK) BRF2 4243 (Lab)	Lab Orientation (BC) BRF2 4243 (Lab)	Lab Orientation (BC) BRF2 4243 (Lab)
10:20 - 10:35	Lab Orientation (JF) BRF2 1104 (Conference Room)	O-Glycan Workup (BC) BRF2 4243 (Lab)	O-Glycan borate removal and C18 clean up (BC) BRF2 4243 (Lab)	Hydrolysis of Monos, Sia from N; prepare sample for O-glycan permethylation (BC) BRF2 4243 (Lab)	DMB Tagging and UPLC Setup (BC) BRF2 4243 (Lab)
10:35 - 12:10	Ganglioside Extraction (JF) BRF2 4243 (Lab)				
12:10 - 1:00	Lunch BRF2 4th Flr North Patio	Lunch BRF2 4th Flr North Patio	Lunch BRF2 4th Flr North Patio	Lunch BRF2 4th Flr North Patio	Lunch BRF2 4th Flr North Patio
1:00 - 2:15	PNGaseF Digestion (BC) BRF2 4243 (Lab)	N-Glycan Purification by SPE and lyophilization (BC) BRF2 4243 (Lab)	PAGE-PNGaseF (SK) BRF2 4243 (Lab)	Sia sample speed-vac (BC) BRF2 4243 (Lab)	Data Analysis (BC) BRF2 4243 (Lab)
2:15 - 3:00	GAG Release (Pronase Digestion) (BC) BRF2 4243 (Lab)	GAG Purification (DEAE + PD10) (BC) BRF2 4243 (Lab)		HPAEC-PAD on GAG monos (BC) BRF2 4243 (Lab)	Data Analysis (BC) BRF2 4243 (Lab)
3:00 - 3:15	Break BRF2 4th Flr, South Patio	Break BRF2 4th Flr, South Patio	Break BRF2 4th Flr, South Patio	Break BRF2 4th Flr, South Patio	Break BRF2 4th Flr, South Patio
3:15 - 4:00	O-Glycan Release (Reductive $\beta$ -Elimination) (BC) BRF2 4243 (Lab)	GAG Purification and lyophilization contd. (BC) BRF2 4243 (Lab)	PAGE-PNGaseF contd. (SK) BRF2 4243 (Lab)	N-Glycan Profiling UPLC-FL (BC) BRF2 4243 (Lab)	DMB-UPLC-FL (BC) BRF2 4243 (Lab)
4:00 - 5:30	Ganglioside Analysis (JF) BRF2 4243 (Lab)				
5:30 +					Happy Hour - BRF2, Patio 2A (Pizza)
Week 2					
Time	Monday, July 25, 2022	Tuesday, July 26, 2022	Wednesday, July 27, 2022	Thursday, July 28, 2022	Friday, July 29, 2022
Lecturer	Kayvon Pedram	Kamil Godula	Lara Mahal	Brett Crawford	Umesh Desai
Topic	Visualizing Glycans (In Person)	Glycoengineering (In Person)	Lectins & Microarrays (in person)	Biotechnology (in person)	Modeling (in person)
8:30 - 9:20	Lecture & Breakfast BRF2 4103 (Conference Room)	Lecture & Breakfast BRF2 4103 (Conference Room)	Lecture & Breakfast BRF2 4103 (Conference Room)	Lecture & Breakfast BRF2 4103 (Conference Room)	Lecture & Breakfast BRF2 4103 (Conference Room)
9:20 - 9:30	Break	Break	Break	Break	Break
9:30 - 9:45	Lab Orientation (BC/SK) BRF2 4103 (Conference Room)	Lab Orientation (JF/SK) BRF2 4103 (Conference Room)	Lab Orientation (JF) BRF2 4103 (Conference Room)	Lab Orientation (JF) BRF2 4103 (Conference Room)	Practical Training on Glycan Modeling BRF2 4103 (Conference Room)
9:45 - 10:35	GRIL-LC-MS (BC) BRF2 4243 (Lab)	Histology Secondary (SK) BRF2 4217, Bay BB (Lab)	HS ELISA Blocking (JF) BRF2 4243 (Lab)	HS ELISA Ab Treatment (JF) BRF2 4243 (Lab)	
10:35 - 12:10	PM-O-Glycan spotting for MALDI (BC) BRF2 4243 (Lab)	HS ELISA Setup (JF) BRF2 4243 (Lab)	Data Analysis and Presentation Prep BRF2 4103 (Conference Room)	Data Analysis and Presentation Prep BRF2 4103 (Conference Room)	
12:10 - 1:10	Lunch BRF2 4th Flr North Patio	Lunch BRF2 4th Flr North Patio	Lunch BRF2 4th Flr North Patio	Lunch BRF2 4th Flr North Patio	Lunch BRF2 4th Flr North Patio
1:10 - 2:10	Histology (SK) BRF2 4217, Bay BB (Lab)	Ganglioside spotting for MALDI BRF2 4243 (Lab)	Cyclooctyne Fluorophore Treatment (JF) BRF2 4218 (Tissue Culture Room)	HS ELISA Analysis (JF) BRF2 4243 (Lab)	Final Presentation (10) BRF2 4103 (Conference Room)
2:10 - 3:30		Data Analysis and Presentation Prep BRF2 1104 (Conference Room)	Nanozoomer Histology Slide Scanner BRF2 1104 (conference room, Zoom)	Data Analysis and Presentation Prep BRF2 4103 (Conference Room)	
3:30 - 3:45	Break BRF2 4th Flr, South Patio	Break BRF2 4th Flr, South Patio	Break BRF2 4th Flr, South Patio	Break BRF2 4th Flr, South Patio	
3:45 - 5:30	Histology (SK) BRF2 4217, Bay MM (Lab)	Cell Culture Setup (JF) BRF2 4218 (Tissue Culture Room)	Cell Fluorescence Imaging (JF) BRF2 4233 (lab)	Data Analysis and Presentation Prep contd. BRF2 4103 (Conference Room)	Happy Hour - 4:30pm BRF2, Patio 2A (Thai Food)
5:30 +					
<b>COLOR LEGEND</b>	Ganglioside Analysis N-Glycan Analysis	O-Glycan Analysis GAG Analysis	Monosaccharide Analysis Histology	Metabolic Analysis HS ELISA	Common for All Glycan Types Happy Hour/Dinner