GeoMx® DSP Training Group Course (Example agenda)

Day 1	Time	Topic
Technology Seminar	1hr (9:00-10:00)	Introduce the GeoMx DSP technology
Training Overview Technical and Scientific Users	1.5hr (10:00-11:30)	Review training samples, protocol and training schedule
Lab Setup and Orientation Technical Users	30min (11:30-12:00)	Identify required lab items
Lunch Break	1hr (12:00-13:00)	Training slides being prepared
Slide Preparation Technical Users	2.5 – 3hr (13:00-16:00)	Deparaffinization and rehydration, Target Retrieval, Expose RNA Targets, Postfix, In Situ Hybridization O/N

Day 2	Time	Topic
Finish Slide Preparation Technical users	3hr (9:00-12:00)	Finish workflow including stringent washes, morphology and nuclei staining.
Slide Setup & Scanning Technical Users	1hr (12:00 - 13:00)	Loading instrument, initiate and complete scans.
Brief break / Quick lunch during scanning	30min (13:00-13:30)	
ROI Selection and start collection Scientific Users	1hr (13:30-14:30)	Review tool set for review scans and selecting ROIs. Select ROIs from remote location or at instrument. Start collection.
Break (during ROI collection)	1hr (14:30-15:30)	
Unload collection plate Technical users	30min (15:30-16:00)	Finalize readout, download Readout package, dry-down collection plate O/N.
Optional: Review Library Prep manual Technical users	1hr (16:00-17:00)	Review library prep manual to prepare for day 3.

Day 3	Time	Topic
Library Prep Technical Users	1hr (9:00-10:00)	Setup PCR Reaction
PCR amplification **Demo GeoMx NGS Pipeline while PCR runs** Technical and Scientific Users, Bioinformaticians	1.5hr (10:00-11:30)	PCR run; Demo GeoMx NGS Pipeline on test files
Purify and pool library	1hr (11:30-12:30)	Isolate amplicons and remove contaminants
QC Library / Lunch during Bioanalyzer run	1.5hr (12:30-14:00)	QC on bioanalyzer or similar
Setup of Sequencing run	1hr (14:00-15:00)	Initiating sequencing run
Data analysis overview on training data	2hr (15:00-17:00)	Insights into basic data analysis using DSPDA