



Event Schedule

Day 1: Thursday September 14

Xray diffraction for structural analysis

8:30 – 9:00 am	Registration – Chemistry Lobby Coffee & Pastries – Chemistry kitchen	8:50 – 9:00 Welcome
9:00 – 10:00 am	Lecture Chemistry B201	XRD basics
10:00 – 11:00 am	Keynote Lecture –Davor Balzar– University of Denver Chemistry B201	XRD line broadening analysis of strains, defects, and size distribution
11:00 – 12:00 am	Lab A Chemistry B201	PXRD demo and data analysis
12:00 – 1:00 pm	LUNCH - Yates 103	
1:00 – 2:00 pm	Lecture Chemistry B201	Advanced analysis
2:00 – 4:00 pm	Lab B Chemistry B201	Advanced analysis

5:30 - 8:00 pm Social - **New Belgium Brewery** – Beer and food. Sponsored by Bruker and joined by CSU students and faculty, featuring Ignite talks by CSU researchers.



Event Schedule

Day 2: Friday September 15

Small Angle Xray Scattering and Dynamic Light Scattering for particle size distribution and molecular weight estimations

8:30 – 9:00 am	Registration – Chemistry Lobby Coffee & Pastries – Chemistry kitchen	8:50 – 9:00 Welcome
9:00 – 10:00 am	Lecture – Travis Bailey – Colorado State University Chemistry B201	Introduction to SAXS
10:00 – 12:00 am	Lab C Chemistry B201	SAXS demo Igor Pro and SAXS analysis
12:00 – 1:00 pm	LUNCH Yates 103	
1:00 – 2:00 pm	Lecture – Matthew McGann – Malvern Chemistry B201	DLS/SLS/GPC
2:00 – 3:00 pm	Lab D Matthew McGann – Malvern Chemistry B201	DLS of polymers for size and molecular weight estimation
3:00 – 4:00 pm	Lab E Chemistry B201	DLS vs SAXS particle size determination

END of SCHOOL

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