

Twin Screw Workshop

December 11-12, 2024

Dates: December 11-12, 2024
Classroom sessions: HOLIDAY INN EXPRESS ARBORETUM AREA, Austin, TX
Hands-on sessions: University of Texas at Austin - College of Pharmacy

Program agenda:

Day 1 Wed., December 11, 2024

8:30 Opening remarks
8:45 Twin Screw Extrusion Theory for Implantable Devices, Charlie Martin, Leistritz Extrusion
9:30 Upstream Metering & Die Design Technologies, Brian Haight, Leistritz Extrusion
10:15 Break
10:45 Polymer Based Processing Techniques to Extrude Implants, Tony Listro, Sever Pharma Solutions
11:30 Process Control, Structure, and Drug Release of Intravitreal Dexamethasone-PLGA Implant, Feng Zhang, University TX @ Austin – College of Pharmacy
12:15 Lunch
1:15 Free-D Molding – Every idea deserves a prototype, Daniel Treffer, Melt Prep
2:00 Manufacture, Characterization, and Drug Release of Ethylene Vinyl Acetate-based Etonogestrel Implant, Ziyue Zhong, University TX @ Austin – College of Pharmacy
2:45 Break
3:15 Polymer and Excipient Selection for Cutting Edge Design of Implants and Medical Devices, George Yang, Ashland Specialty Ingredients
4:00 Post Extrusion Processing of Implantable Devices, Steve Post, Leistritz Extrusion
4:45 Update on Research Institutions in North America to Develop Implantable Devices, Charlie Martin, Leistritz Extrusion
5:00 Adjourn
6:00 Reception/dinner

Day 2 Thurs., December 12, 2024

8:30 Screw nomenclature and purging techniques, Brian Haight, Leistritz Extrusion

- Hands-on screw assembly/disassembly @ Holiday Inn
- Hands-on “live” extrusion demonstrations @ Univ. TX College of Pharmacy Extrusion Lab (*transportation to/from Univ. TX will be provided)

1-3:00 Private meetings/scheduled for private discussions & adjourn

3:00 Adjourn