

1st International Workshop in Bio-Manufacturing Automation
DAMP Lab @ Boston University
October 18th, 2018
9am to 6pm

Preliminary Agenda

8:30am - 9am – Check in and Coffee

9am - 9:20am – Welcome, Automation Goals and Overview – Prof. Dr. Douglas Densmore

9:20am - 9:50am - DAMP Lab Overview, Progress Report – Marilene Pavan (DAMP Lab Manager)

9:50am -10:10am - Automation in Industry - Ginkgo Bioworks – Dr. Yaoyu Yang - Software for Synthetic Biology

Foundries: Overview and Challenges

10:10am - 10:30am - Automation in Academia - EGF (Edinburgh Genome Foundry) – Dr. Hille Tekotte - DNA assembly and Lab Automation at the Edinburgh Genome Foundry

10:30am - 10:45am – Coffee Break

11am - 11:20am - Automation in Industry – TBD

11:20am - 11:40am - Automation in Academia – DNA London Foundry (Imperial College) – Dr. Geoff Baldwin - BASIC: A Modular Framework for DNA Assembly and Navigating Biological Design Space

11:40am - 2pm – Lunch, Poster Session, Vendor Session

1pm – 1:30pm – Extra session: Is Microfluids the Right Answer for You? Radhakrishna Sanka and Ali Lashkaripour – DAMP Lab

1:30pm – 2pm – Extra session: How to Automate Successfully – Dr. Ian Yates – ThermoFisher

2pm-2:20pm – Case Study Presentation - Responding to Biomanufacturing Challenges: Tailoring Automation to Address Workflow Gaps – Dr. Alison Glaser – Molecular Devices

2:20pm-3:30pm – Groups Discussion I – Group 1: Software | Group 2: Metrics | Group 3: Ideas for Collaboration

3:30pm to 3:45pm - Break

3:45 to 4:30 – Groups Discussion II – Group 1: Standards | Group 2: Barriers for Collaborations | Group 3: Funding & Financial Sustainability

4:30pm-5pm – Wrap Up and Next Steps – Prof. Dr. Douglas Densmore

5pm – 6pm - Networking Drinks and Food

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