



**“New Frontiers in Reaction Engineering”: A Symposium Honoring Klavs F. Jensen
Agenda, May 18, 2024**

MIT Open Space Programming 292 Main Street, E38-248 Cambridge, MA 02142

The symposium includes presentations and discussions on Professor Klavs F. Jensen's many contributions to material synthesis, microfluidics, flow chemistry, and automating chemistry. It will also be a reunion of former and current students, postdocs, academic and industrial friends, and colleagues.

Saturday, May 18

All times listed are in Eastern Daylight Time.

8:30-9:00 am Registration and light breakfast

9:00-9:15 am Welcome & Introduction

[Kristala Prather](#), Arthur Dehon Little Professor & Department Head

Session 1 Moderator Raj Melkote

9:15 am Participant introductions

9:30 am " [David Graves](#), *“Klavs was a Catalyst”*

9:45 am [Dimitrios Fotiadis](#), *“Revolutionizing Asymptomatic Carotid Artery Disease Management: The Impact of the TAXINOMISIS Risk Stratification Tool on Clinical Practice and Standard Care”*

10:00 am [I-Ming Hsing](#), *“Nucleic Acid based Reaction Engineering for Decentralized Testing of Infectious Diseases”*

10:15 am coffee break

Session 2 Moderator Kathy Vaeth

10:45 am [Hang Lu](#)

11:00 am [Saif Khan](#), *“Reaction Engineering in Structured Multiphase Flows”*

11:30 am [Moungi Bawendi](#)

11:45 am [Steve Buchwald](#), *“DFT-Guided Cu Coupling Reactions”*

12:00 pm Lunch Break

Session 3 Moderator Thomas Gervais

1:15 pm [Bob Langer](#), *“How I traveled down the road not taken in chemical engineering and how fortunate I was to know and work with Klavs Jensen”*

1:30 pm [Armon Sharei](#), *“Squeezing cells: Academic observation to clinical implementation”*

- 1:45 pm [Jon McMullen](#), "Wait – you can do that in flow?"
- 2:00 pm [Andrea Adamo](#), "Continuous partition chromatography"
- 2:15 pm Break

Session 4 Moderator Ryan Hartman

- 2:45 pm [Bill Green](#), "*Machine Learning for Molecules and Reactions: Successes and Pitfalls*"
- 3:00 pm [Luke Rogers](#), "*Pharmacy on Demand- Past and Present*"
- 3:15 pm [Tommi S Jaakkola](#)
- 3:30 pm [Connor Coley](#), "*KFJ-Optimality in Experimental Design*"
- 3:45 pm Klavs closing remarks
- 4:00 pm Reception