

Young Membranologists Workshop

Sunday

8:30 AM

SPEAKERS

Uwe Beuscher has more than 20 years of industrial experience and is currently a Technical Leader for W.L. Gore & Associates, Inc.

John Pellegrino has held several research and development positions at Rohm & Haas Co., duPont Inc., the National Institute of Standards and Technology (NIST), and Santa Fe Science and Technology Inc., and is currently a Research Professor in the Mechanical Engineering Department at CU.

Volkmar Thom has several years of industry experience and is currently the R&D Director of Membrane Technology at Sartorius Stedim Biotech.

Manish Kumar has several years of experience in industrial research into membranes for water and wastewater treatment, and is currently an Associate Professor in the Chemical Engineering Department of Penn State.

Rob McGinnis has founded a few companies, and is currently the founder and CEO of Mattershift which makes programmable molecular gateways that enable the manipulation of water at the molecular scale.

Rachel Dorin is a CEO at Terapore Technologies that develops cutting-edge membrane technologies for high permeability, high resolution separation needs.

Geoffrey Geise is an Assistant Professor in the Department of Chemical Engineering at University of Virginia.

ABSTRACT

This FREE all day workshop provides a great opportunity for all students to learn about the exciting career opportunities in membrane science and technology. The day will start with an industrial tour to take a close look at the inner workings of a membrane/separations company. This will be followed by several panel sessions with speakers that have gone down a different career path (academia, industry, startup, or a combination of those). Come learn the different aspects of each career path and how to prepare for and transition between each from these young as well as seasoned membrane scientists.

To register for the industrial tour in the morning and the career panel sessions in the afternoon, please email Winny Fam at winny.fam@unsw.edu.au so we can get an accurate headcount. Graduate students, undergraduate students and young professionals are welcome to attend.

Here are some questions that will be covered in the workshop. Please email the session chairs (see below) with any additional questions you may have.

- How did you become involved in membrane science? How did you navigate big career decisions and what was the most important career decision you made?
- What are the attributes most important for success?
- What are the biggest challenges you face today?
- What do you love most about your job?
- What does your career look like on a day-to-day basis?
- How do you develop and communicate your non-technical skills in a technical field?
- What does “networking” mean and look like to you?
- What is the outlook of careers in membrane science?
- Where do you see your career going in the future?

SESSION CHAIRS

Academia	Winnie Fam winny.fam@unsw.edu.au	or	Ghazal Vaseghi Ghazaleh.Vaseghi@rockets.utoledo.edu
Industry	Mahdi Malmali mmalmali@umn.edu	or	Blaine Carter carter.blainem@gmail.com
Entrepreneurship	Sarah Dischinger Sarah.Dischinger@colorado.edu	or	Neelam Jagani jaganineelam@gmail.com
Panel Discussion	Prity Bengani-Lutz prity.bengani@tufts.edu	or	Mahdi Malmali mmalmali@umn.edu

WORKSHOP OUTLINE

See next page

ICOM Young Membranologists Workshop: "Insights into a career in membrane science"

Time	Event	Location
8:30	Bus Departure	Hilton
9:30	Arrive at Local Company	Menlo Park, CA
11:00	Bus departure for Hilton	Menlo Park, CA
12:00	Lunch/social hour	Hilton
13:00	<p style="text-align: center;">Session 1 – Career in Industry</p> <p style="text-align: center;">Chairs</p> <p style="text-align: center;">Mahdi Malmali, Postdoc University of Minnesota</p> <p style="text-align: center;">Blaine Carter, Postdoc Lawrence Berkeley National Lab</p> <p>13:00</p> <p style="text-align: center;">Uwe Beuscher Technical Leader, W. L. Gore</p> <p>13:25</p> <p style="text-align: center;">Volkmar Thom Director Membrane R&D – Membrane Chromatography and Modification, Sartorius</p>	Hilton Room TBD
13:45	<p style="text-align: center;">Session 2 – Career in Academia</p> <p style="text-align: center;">Chairs</p> <p style="text-align: center;">Winnie Fam, PhD Candidate The University of New South Wales</p> <p style="text-align: center;">Ghazaleh Vaseghi, PhD Candidate University of Toledo</p> <p>13:45</p> <p style="text-align: center;">John Pellegrino Research Professor, UC-Boulder Mechanical Engineering</p> <p>14:10</p> <p style="text-align: center;">Manish Kumar Associate Professor, Penn State Chemical Engineering</p>	Hilton Room TBD
14:30	Coffee Break	Hilton Room TBD
15:00	<p style="text-align: center;">Session 3 – Entrepreneurship and Spin Off Companies</p> <p style="text-align: center;">Chairs</p> <p style="text-align: center;">Sarah Dischinger, PhD Candidate University of Colorado, Boulder</p> <p style="text-align: center;">Neelam Jagani, Masters Candidate University of Toledo</p> <p>15:00</p> <p style="text-align: center;">Rob McGinnis Founder, CEO, Mattershift</p> <p>15:25</p> <p style="text-align: center;">Rachel Dorin CEO, Terapore Technologies</p>	Hilton Room TBD
15:45	<p style="text-align: center;">Panel discussion – How to find your career path?</p> <p style="text-align: center;">Moderators:</p> <p style="text-align: center;">Prity Bengani-Lutz, PhD Candidate, Tufts University</p> <p style="text-align: center;">Mahdi Malmali, Postdoc University of Minnesota</p> <p style="text-align: center;">Manish Kumar - Penn State Chemical Engineering Rob McGinnis - ; Founder, CEO, Mattershift Geoffrey Geise – University of Virginia Chemical Engineering Volkmar Thom - Sartorius Uwe Beuscher – W. L. Gore</p>	Hilton Room TBD
17:00	Break	Hilton Room TBD
18:00	ICOM welcome reception	