

TU Delft

Process Technology Institute (DPTI)

Proudly presents the

JACOBUS VAN 'T HOFF LECTURE 2019

'Encapsulating Hydrophobic Cargoes in Micelles via Scalable Nanomanufacturing Approaches'

by

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(Ohio State University)



Since their introduction, micelles have offered a facile platform for generating small nano particulate carriers to promote the solubility of hydrophobic molecules and nanoparticles. However, initial work has focused primarily on the use of short chain surfactants and batch methods. To meet the growing demands of commercial processes, methods to encapsulate larger numbers of cargoes at high packing densities while achieving high throughput are needed. This talk will explore fundamental kinetic and thermodynamic principles of using block copolymer micelles for the encapsulation of nanoparticles and drug molecules via spray-based, scalable processes.

Date and venue

Thursday, 13 June 2019

17.30 - 20.00 h

Museum Prinsenhof Delft

We will start with a buffet dinner

The lecture is public and accessible for everyone

Registration

<https://vanthoff2019.eventbrite.nl>

The deadline for the registration is 1 June, 2019

Registration required

For more information about DPTI visit:

www.dpti.tudelft.nl

 **TU Delft**



Jacobus van 't Hoff Lectures are named after Jacobus Henricus van 't Hoff, the first Nobel Prize winner in chemistry (1901) who obtained a degree of chemical technologist from Delft University of Technology in 1871. These annual lectures delivered by distinguished international speakers aim at a wide chemical and process engineering audience in the Netherlands and abroad. Member of the IEEE, and a Fellow of the American Institute for Medical and Biological Engineering and the American Association for the Advancement of Science.