



## CONTINUOUS/DISTRIBUTED MANUFACTURING

### MONTHLY NEWS ROUNDUP – MARCH 2019

#### Swedish Biomimetics chooses continuous for therapeutic peptides

Swedish Biomimetics 3000 has established a continuous manufacturing process for therapeutic peptides, replacing traditional large-scale batch manufacture. Its  $\mu$ LOT process is designed to significantly cut costs and speed up the development of new peptides as well as enabling the synthesis of drugs that are currently not economically or technically possible to produce.

[https://www.contractpharma.com/contents/view\\_breaking-news/2019-03-25/swedish-biomimetics-establishes-continuous-peptide-mfg-process/](https://www.contractpharma.com/contents/view_breaking-news/2019-03-25/swedish-biomimetics-establishes-continuous-peptide-mfg-process/)

#### Purdue develops continuous method for generic lomustine

Researchers at Purdue University have developed an innovative and cost-effective continuous manufacturing method to make generic lomustine, an important agent for treating brain tumours and Hodgkin's lymphoma. Purdue's Prof. David Thompson, who has written a research paper on the process, said the ability to reduce production costs has the potential to allow for more agile and cost-effective production of many life-saving medicines – see his video [here](#).

<https://www.europeanpharmaceuticalreview.com/news/84750/generic-lomustine/>

#### Manufacturing Equipment Technology & Trends

This article in Contract Pharma discusses continuous manufacturing along with other major factors that are driving innovation in pharma and biopharma drug development.

[https://www.contractpharma.com/issues/2019-03-01/view\\_features/manufacturing-equipment-technology-trends/](https://www.contractpharma.com/issues/2019-03-01/view_features/manufacturing-equipment-technology-trends/)

## Cambrex expands manufacturing facility in Milan

Cambrex has completed the expansion of a new R&D laboratory at its site in Milan, Italy. To complement investments at other Cambrex sites, the new laboratory also includes a flow chemistry system to allow for continuous manufacturing development.

<https://www.cambrex.com/cambrex-completes-expansion-and-manufacturing-capability-upgrades-in-milan/>

## Developing scalable flow chemistry for chemical transformations

Technology Networks speaks to Oliver Kappe about the focus of his laboratory. Kappe highlights the key properties of continuous flow microreactors that make them well-suited to preparing pharmaceuticals, and also touches on the topic of his upcoming talk at the 2019 Flow Chemistry and Continuous Processing Conference – see Events section below.

<https://www.technologynetworks.com/drug-discovery/blog/developing-scalable-flow-chemistry-for-a-variety-of-chemical-transformations-316837>

## EVENTS

### Flow chemistry and continuous processing conference

8-9 April, 2019, Royal Sonesta Hotel Boston, Cambridge, Massachusetts, USA

Flow chemistry and continuous processing have undergone a renaissance over the past decade, offering unique control of key process parameters such as temperature and mixing, increased process safety and potentially access to new reaction space. This two-day conference focuses on case studies from process chemists and engineers, who give their insights, examples and opinions.

[https://www.scientificupdate.com/conference\\_events/flow-chemistry-and-continuous-processes-conference/20190408/](https://www.scientificupdate.com/conference_events/flow-chemistry-and-continuous-processes-conference/20190408/)

### Flow chemistry and new flow chemistry masterclass

22 May-24 May 2019 University of Graz, Austria

Prof Oliver Kappe and Dr Will Watson are tutoring this introductory course on flow chemistry, which will focus on translating conventional reactions to flow processes. A wide range of highlights from the flow chemistry literature will be discussed, from both academia and industry.

[https://www.scientificupdate.com/training\\_courses/flow-chemistry-4/20190522/](https://www.scientificupdate.com/training_courses/flow-chemistry-4/20190522/)