

Frontiers of Drug Discovery – Novel Chemistry

IVA, Japan Society for the Promotion of Science, The Chemical Society of Japan, Sweden-Japan Foundation and The Japanese Embassy welcome you to a seminar on 3 March 2014

The pharmaceutical industry is *still* a highly profitable business. Nevertheless, the sector is facing a number of major challenges. One is the declining productivity of industrial R&D. Over the past decades the number of new medicines generated per R&D dollar spent has markedly decreased. New technologies, as well as new ways of organizing research, are needed to address this issue. This seminar focuses on the use of innovative chemistry to support drug discovery.

Professor *Hiroaki Suga* from the University of Tokyo will present his work on creating combinatorial chemical libraries containing non-natural amino acids and their usefulness to discover new medicines. Professor Suga is one of Japan's leading scientists within the field of peptide chemistry and the founder of PeptiDream Inc.

Professor *Gunnar von Heijne*, Stockholm University/Science for Life Laboratory, will present how Professor Suga's techniques can be used in basic research to study membrane bound proteins.

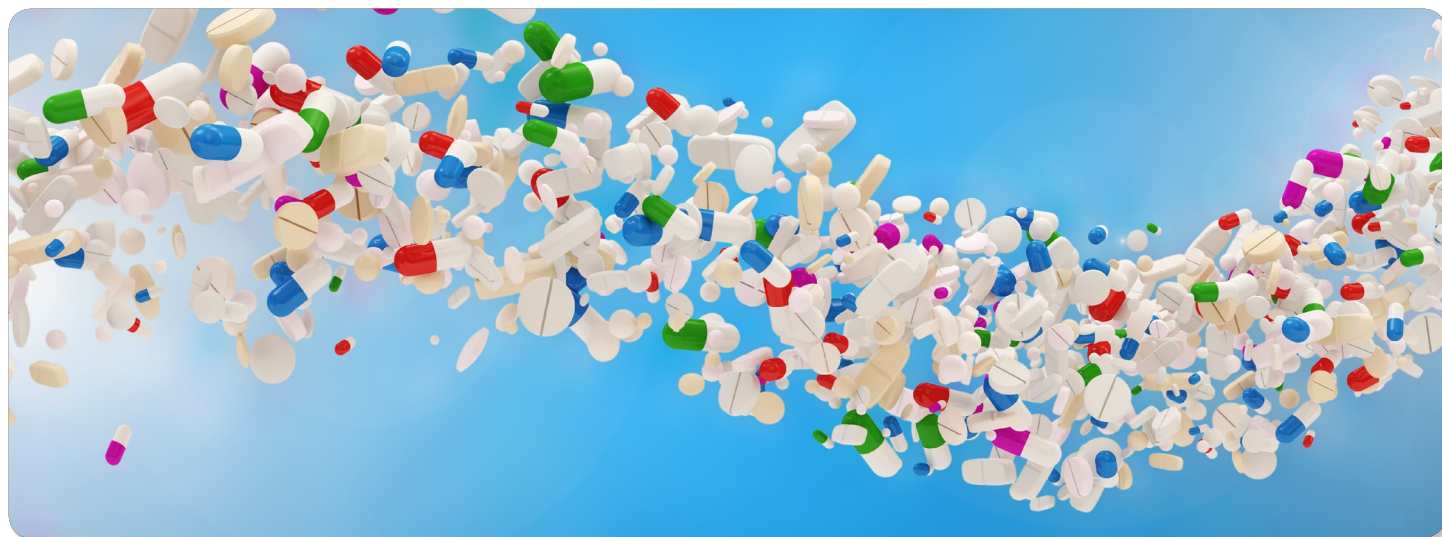
Additional presentations will be given by Dr. *Anders Ekblom*, former CEO of AstraZeneca Sweden and Global Head of Science and Technology Integration; Dr. *Annika Jenmalm-Jensen*, Chemical Biology Consortium Sweden/Karolinska Institutet/ Science for Life Laboratory and Dr. *Björn Odlander*, Health Cap.

The seminar will be held in English.



Registration and more information

- Date:** Monday 3 March 2014, 17:00–19:00 followed by dinner.
Venue: IVA's Conference Centre, Grev Turegatan 16, Stockholm, Sweden.
Streaming: www.iva.se/live
Registration: Please register at www.iva.se no later than 24 February. The cost of dinner is SEK 400 (incl. SEK 80 VAT) and should be paid into "bankgiro 5108-2527." Please state 5082 as reference. Participation in the seminar is free of charge. IVA's corporate id number is 262000-1160.
More info: Contact *Maria Dollhopf*, e-mail maria.dollhopf@iva.se, tel +46-8-791 29 94.



Programme

17:00 **Introduction**
Anders Ekblom

Pseudo-Natural Product Synthesis and Drug Applications
Hiroaki Suga

Using non-proteinogenic amino acids to study membrane protein biogenesis
Gunnar von Heijne

Chemical Biology Consortium Sweden
Annika Jenmalm-Jensen

The Investor's Perspective
Björn Odlander

Panel Discussion: The potential of innovative chemistry to strengthen drug discovery and what Sweden and Japan can learn from each other
Hiroaki Suga, Gunnar von Heijne, Annika Jenmalm-Jensen, Björn Odlander and Anders Ekblom

Moderator: *Johan Weigelt*

Refreshments and Mingle

19:00 **Dinner**



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