

# Pharmaceutical Sciences World Congress 2017 Stockholm, Sweden

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First Announcement



## Future Medicines For One World

Systems approaches to drug discovery,  
development and clinical usage

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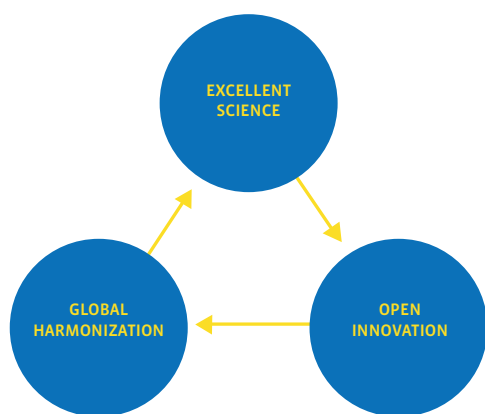
Swedish Pharmaceutical Society

# Future Medicines For One World

## Systems approaches to drug discovery, development and clinical usage

### FUTURE MEDICINES FOR ONE WORLD

We are at a crossroads in medicines research. In the next decade, systems biology research will yield an unprecedented wealth of novel insights in the mechanisms of disease. This will revolutionise medicines research, leading to the introduction of novel therapeutic interventions which modify and, it is hoped, cure the disease, rather than providing symptom relief. At the same time, health systems around the globe are exploring new ways to deliver innovative treatment solutions to patients in a sustainable manner.



Furthermore, the open innovation model of drug development is maturing: based on experience gained, open innovation will move into a next phase with increased transparency and a broader support. Jointly, these developments will shape and transform the way in which medicines research is conducted, both in the public and private sectors, and how it will address societal needs.

The Pharmaceutical Sciences World Congress (PSWC) 2017 will examine and discuss the most recent developments in medicines research from the perspectives of excellent science, global health and open innovation. Moreover, PSWC 2017 will foster the development of a new generation of pharmaceutical scientists via special activities for young researchers.

### SYSTEMS THERAPEUTICS

Future medicines research will focus on the development of “*systems therapeutics*” interventions, which are:

- **Personalised**  
(both with respect to the selection of the drug(s) and dosing regimen(s);
- **Disease modifying**  
(with emphasis on pre-emptive and preventive treatments); and
- **Complex**  
(for example, multi-target drugs, rational drug-drug combinations and drug-device combinations).

The development of these complex interventions and their implementation in clinical practice requires a multidisciplinary approach, with contributions from specialists in fields such as medicine, pathology, molecular biology, medicinal chemistry, drug disposition, pharmacokinetics, pharmacodynamics, drug safety, drug delivery, drug targeting, drug formulation, manufacturing, regulatory sciences and science-based practice.

PSWC 2017 will provide scientists from all over the world with a place to meet and network with key leaders from the pharmaceutical industry, government agencies, regulatory bodies, academia and public-private partnerships. You can listen to, interact with and share the latest research findings in plenary sessions, keynote lectures, short oral sessions, poster sessions and short courses.

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