

**Biological Weapons Convention**  
**Workshop on *Smallpox Preparedness***  
**Tuesday 5 December 2017, 13:15 till 14:45, Geneva**

Objective of this workshop is to raise awareness around smallpox and with specific emphasis on the emerging issues around synthetic biology and novel antivirals being developed to treat the disease.

**1. Introduction**

Dr D. Fraser Gray, Director, Chimerix Inc

**2. Smallpox past and present**

\* Speaker: Prof Dr Mike Bray, Editor-in-Chief Antiviral Research

- Overview of smallpox disease
- Challenges with developing novel AVs against smallpox: pros & cons of existing animal models and what they tell us about human disease
- Advances in synthetic biology and why this presents an increased risk to our biosecurity
- Scenarios of potential smallpox outbreak: accidental to bioterror attack

**3. Options for Smallpox: From vaccines to anti-virals**

\* Speaker: Prof Dr Graciela Andrei, REGA Institute, Leuven, Belgium

- Vaccines: Importance and issues with existing smallpox vaccines
- Introduction to two antivirals active against smallpox virus
- Attributes and issues with the antivirals including key data in vitro/in-vivo and current development status

**4. Q&A**

15 minutes

Panel: Professors Bray and Andrei and Dr Gray will answer questions from the audience addressing technical, scientific and medical issues arising from the presentations.