

Wednesday 14 March 2018
Kl. 6.00 p.m. – 7.00 p.m.
Kungl. Vetenskapsakademien
Lilla Frescativägen 4A, Stockholm



**KUNGL.
VETENSKAPS-
AKADEMIEN**

THE ROYAL SWEDISH ACADEMY OF SCIENCES

Chemical Biology Approach to Understanding and Overcoming Resistance of Cancers to Treatments

Open Academy Lecture by Professor Stuart L. Schreiber, Harvard University, USA.

Host: The Academy's class for chemistry.



Stuart L. Schreiber

Stuart L. Schreiber, Ph.D. is a co-Founder of the Broad Institute, Howard Hughes Medical Institute Investigator, the Morris Loeb Professor of Chemistry and Chemical Biology at Harvard University, and has been a member of the National Academy of Sciences since 1995. Dr. Schreiber's research integrates chemical biology and human biology to advance the understanding and treatment of disease.

The past several decades has seen important advances in the treatments of cancers. Nevertheless, cures to cancers remain largely elusive. We have taken a chemical biology-based approach to understanding cancer resistance and have discovered that cancers respond to each of the major treatment modalities by adopting a cell state that resists apoptotic death. We've also discovered that this non-genetic mechanism of resistance has a unique vulnerability suggesting novel approaches to durable remissions of cancer in the future. This novel cell state underlies many stress responses and is likely to manifest in multiple pathologies outside of cancer.

The lecture is free of charge and open to the public. Registration is not needed. For more information please visit: <http://kva.se>