



香港城市大學  
City University of Hong Kong

# RNA and Structural Biology Mini-symposium

**DEPARTMENT OF  
BIOMEDICAL SCIENCES**

*in honour of  
Professor Ada Yonath  
Nobel Laureate  
in Chemistry 2009*



10:00-10:10	<b>Welcome address</b>	<b>Prof. Michael Yang</b> <i>Head and Chair Professor Department of Biomedical Sciences</i>
10:10-10:40	<b>New generation antibiotics</b>	<b>Prof. Ada Yonath</b> <i>The Martin S. and Helen Kimmel Professor of Structural Biology Weizmann Institute of Science</i>



**Abstract:**

Resistance to antibiotics and the spread of antibiotics' metabolites are severe problem in contemporary medicine. In addition to structures of complexes of eubacterial-ribosomes with antibiotics paralyzing them that illuminated common pathways in the modes of antibiotics inhibitions, synergism, differentiation and resistance, recent structures of ribosome from a multi-resistant pathogenic bacteria identified features that can account for species-specific diversity in infectious-diseases susceptibility. Careful analysis and comparisons to ribosomes from benign bacteria indicated novel paths for the design of environmental-friendly degradable antibiotics, alongside species-specific drugs, thus preserving the microbiome.

10:40-11:00	<b>Computational analysis of EGFR mutants and prediction of lung cancer drug resistance</b>	<b>Prof. Hong Yan</b> <i>Chair Professor of Computer Engineering Dean College of Science and Engineering</i>
11:00-11:20	<b>Structure and function relationship of mycobacterial rimP in ribosome biogenesis</b>	<b>Dr. Terrence Lau</b> <i>Associate Professor Department of Biomedical Sciences</i>
11:20-11:40	<b>Small but mighty: microRNAs as novel signaling molecules in cancer</b>	<b>Dr. Minh Le</b> <i>Assistant Professor Department of Biomedical Sciences</i>
11:40-11:50	<b>Closing remarks</b>	<b>Prof. Ada Yonath</b> <i>The Martin S. and Helen Kimmel Professor of Structural Biology Weizmann Institute of Science</i>

**Date:** 14 October 2016 (Friday)  
**Time:** 10:00 am - 12:00 noon  
**Venue:** Herbalgy Lecture Theatre  
(LT401)  
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*All are Welcome*