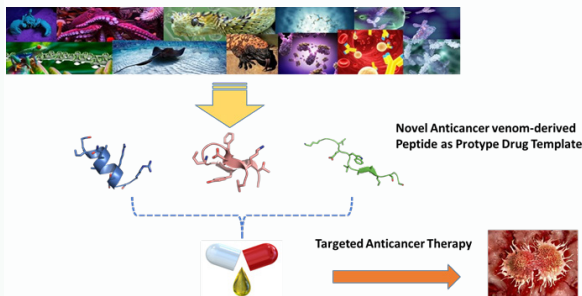


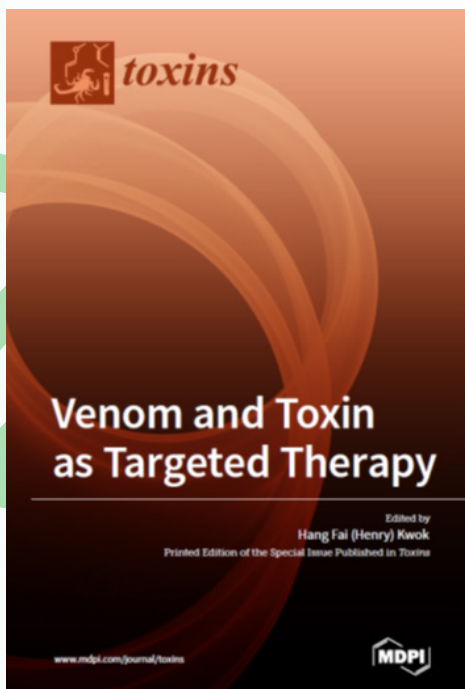
BOOK SHARING

Venom and Toxin as Targeted Therapy by Prof. Henry KWOK (Editor)



Targeted therapy has been a very hot research topic in the last decade. It focuses on specific medications for treatment of particular diseases, such as cancer, diabetes and heart disease. One of the most exciting recent developments in targeted therapy is to isolate the disease-specific molecules from natural resources such as animal venoms and plant metabolites/toxins, to use as templates for new drug motif design.

Since Prof. KWOK joined FHS in 2014, his research group published over 22 articles in the areas of novel bioactive molecules discovery and characterization from sources in nature, including amphibian defensive skin secretions and reptile, scorpion & insect venoms, to exploit their anticancer and antibacterial/antifungal therapeutic potential. Prof. KWOK has been recognized as an expert in the areas of toxicology and pharmacology venom research. In 2017, he was invited by the Editor-in-Chief of *Toxins* to join their Editorial Board. Prof. KWOK also served as a Guest Editor for a Special Issue of *Toxins* named "Venom and Toxin as Targeted Therapy". This Special Issue led by Prof. KWOK has been recently selected by the Multidisciplinary Digital Publishing Institute (MDPI) to reprint as physical book and will publish in September/October this year [ISBN 978-3-03921-189-0].



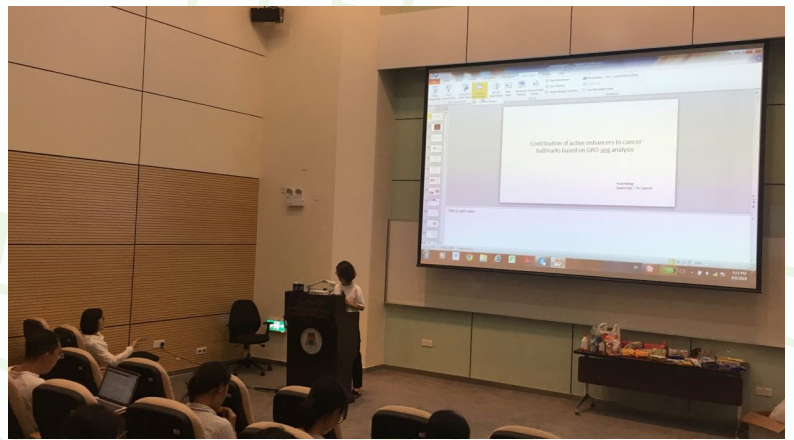
The book covers current advanced research related to bee venoms as potential medicinal therapy in different aspects. It also includes recent studies in bioactive molecules finding from frog skins, mushrooms and venoms (e.g. peptide/toxin/immunotoxin) for targeted cancer therapy and immunotherapy to address the forthcoming challenges in these fields. Furthermore, an open discussion on using novel disease-specific venom-based protein/peptide/toxin along with FDA approved drugs as combinatorial treatment is also included in the contents. Furthermore, the book includes four detailed review articles on discussing the importance of novel venom protein/peptide in different species of snake venoms, toad toxins, and plant toxins which naturally targeted mammalian ion channel receptors and their potential to develop as immunotoxin prototype drugs. To sum up, this book has 15 chapters with 158 pages in total. A group of excellent researchers/scientists from nine different countries involved as authors including the world-renowned scholar and founder of the Laboratory of Molecular Biology in the National Cancer Institute (NCI) -- Prof. Dr. Ira PASTAN from the National Institutes of Health (NIH).

STUDENT ACTIVITIES

FHS Postdoc Student Seminar - Presented by Prof. Sanming WANG's group and Prof. Lijun DI's group

On 8 August, Ms. Maoni GUO of Prof. Sanming WANG's group presented "Coupled Genome-wide DNA Methylation and Transcription Analysis Identified Rich Biomarkers and Drug Targets in Triple Negative Breast Cancer" and Ms. Yuan WANG of Prof. Lijun DI's group presented "Contribution of Active Enhancers to Cancer Hallmark Based on GRO-seq Analysis".

The next seminar will be held on 22 August and presented by the group members of Prof. Wei GE and Prof. William CHAO.



AUGUST				
Mon	Tues	Wed	Thurs	Fri
12	13	14	15	16
<p><u>Seminar Series</u> RNAs on Fire Speaker: Prof. Vinay TERGAONKAR Host: Prof. Chuxia DENG Time: 10:30 - 11:30 Venue: E12-G004</p>				
19	20	21	22	23
		<p><u>AC Meeting</u> Time: 15:00 to 17:00 Venue: E12-G004</p>	<p><u>FHS Postdoc/ Student Seminar</u> Host: Prof. Wei GE and Prof. William CHAO Time: 17:00-18:00 Venue: N22-G002</p>	
26	27	28	29	30
		<p><u>B-CAT Meeting #14</u> Speaker: Dr. Qiang CHEN Time: 17:00 Venue: E12-G004</p>		