

ACADEMIC ACTIVITIES

Publication(s) of the week

1. Wu, X., Li, G., and Xie, R. (2018) Decoding the role of TET family dioxygenases in lineage specification. *Epigenetics Chromatin* 11, 58

Seminar Series

New Type of Quinones as a Bioreductive Antitumor Drug - Prof. Lev M. WEINER



Prof. Lev M. WEINER, Professor of Weizmann Institute of Science, visited FHS on 10 October and presented a seminar titled “New Type of Quinones as a Bioreductive Antitumor Drug”.

Chemotherapy is currently the principal method for treating many malignancies. Thus, the development of improved antitumor drugs with enhanced efficacy and selectivity remains a high priority. Anthracycline antibiotics (AAs) belong to an important family of antitumor agents widely used in chemotherapy. These compounds are all quinones. A fundamental shortcoming of AAs is their high cardiotoxicity.

Prof. WEINER’s team has proposed and experimentally realized a new type of quinones, that is capable of coordinating metal ions. The team has demonstrated *in vitro* that these quinones can be reduced by electron transfer chains and glutathione with a concomitant generation of Reactive oxygen species (ROS). They can also produce ROS under photo-excitation. The mechanisms of these reactions have been characterized by using nuclear magnetic resonance and electron paramagnetic resonance, including spin trapping technique.

FHS News

FHS startup team Catydid continued their success in 2018 Guangdong Entrepreneurship and Innovation Competition

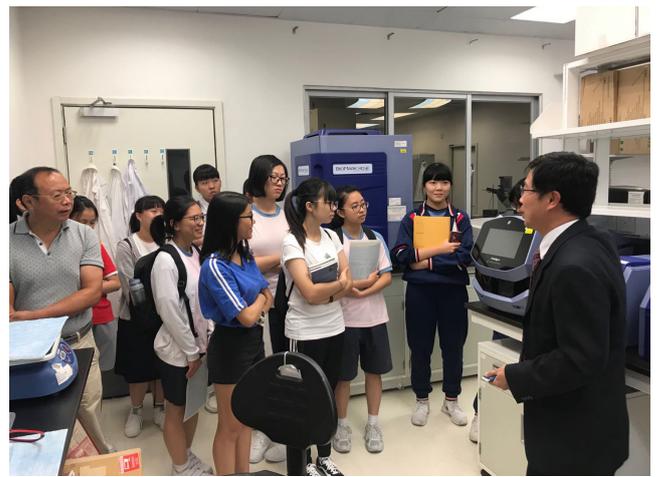
The FHS startup team Catydid aims to develop and commercialize the blood fluorescence meter for the evaluation of organ function. After their success in Greater Bay Area (Macau) Youth Innovation and Entrepreneurship Competition” (大灣區（澳門）青年創新創業大賽) and the the 6th Jiangsu Science & Technology Entrepreneurship Competition (第六屆“創業江蘇”科技創業大賽), the team won the silver prize in the 2018 Guangdong Entrepreneurship and Innovation Competition (2018廣東“眾創杯”創業創新大賽).



FHS News

Faculty Tour for PRA 2019/2020 (Principal's Recommended Admission Channel)

On 6 October, Prof. Terrence POON and Ms. Samantha LAM led a delegation of potential candidates who may be admitted to the FHS via the Principals' Recommended Admission Channel (PRA) on a tour of FHS. The candidates are local high school students who have expressed interest in pursuing further studies in Biomedical Sciences. Prof. POON and Ms. LAM showed the students about FHS and introduced its history, facilities and equipments. The PRA candidates had the opportunity to learn more about FHS and its undergraduate programme.



OCTOBER / NOVEMBER				
Mon	Tues	Wed	Thurs	Fri
15 Seminar Series Visualizing diseases and drugs in action for optimized treatment: Applications of molecular imaging in the era of precision medicine Prof. Yiyun HUANG Time: 11:00-12:00 Venue: E12-G004	16	17 Chong Yeung Festival	18 FHS Postdoc/ Student Seminar Series Host: Edwin CHEUNG, Leo LEE Time: 17:00 Venue: E12-G004	19 PhD Oral Defense Mr. Duyang GAO Time: 15:00 Venue: N6-G010
22	23	24	25	26
The 8th National Conference on Bioinformatics and Systems Biology of China and the 1st (Macao) International Bioinformatics Symposium			Seminar Series Identification and characterization of type III secretion system (T3SS) effectors in <i>Edwardsiella piscicida</i> Dr. Ka Yin LEUNG Time: 10:00-11:00 Venue: TBC	
	Novogene Recruitment Seminar Time: 14:00-16:00 Venue: E12-G004	Seminar Series Development of Red/NIR emissive optical nanoprobe for bioimaging and disease theranostics Prof. Pengfei ZHANG Time: 10:00-11:00 Venue: E12-G004 B-CAT Meeting #28 Prof. Li WANG Time: 17:00 Venue: E12-G003		
29	30	31	1	2
			FHS Postdoc/ Student Seminar Series Host: Sanming WANG, Lijun DI Time: 17:00 Venue: E12-G004	All Soul's Day
5	6	7	8	9
Diet, Nutrition and Diseases Seminar Prof. Henry KWOK, Dr. Vicki FONG, Ms. Carmen MAN Time: 13:30 Venue: N6-5001 *Register with Prof. KWOK if interested		B-CAT Meeting #29 Prof. Xuanjun ZHANG Time: 17:00 Venue: E12-G003	Seminar Series Evans blue-based theranostics Prof. Xiaoyuan CHEN Time: 17:00-18:00 Venue: E12-G004	