

ACADEMIC ACTIVITIES

Publication(s) of the week

1. Zhu, Y., Huang, Z., Chen, Q., Wu, Q., Huang, X., So, P. K., Shao, L., Yao, Z., **Jia, Y.**, Li, Z., Yu, W., Yang, Y., Jian, A., Sang, S., Zhang, W., and Zhang, X. (2019) Continuous Artificial Synthesis of Glucose Precursor Using Enzyme-Immobilized Microfluidic Reactors. *Nat Commun* **10**, 4049 [IF=13.811]
2. Cheng, Z., Yuan, Y., Han, X., Yang, L., Cai, S., Yang, F., Lu, Z., Wang, C., Deng, H., Zhao, J., **Xiang, Y.**, Correll, C. U., and Yu, X. (2019) An Open-Label Randomised Comparison of Aripiprazole, Olanzapine and Risperidone for the Acute Treatment of First-Episode Schizophrenia: Eight-Week Outcomes. *J Psychopharmacol* [IF=4.434]

Rector Yonghua SONG Encourages FHS to Pursue the Quality of Research Output and Cultivate Talented Students

Rector Yonghua SONG met the professors of FHS on 12 September, accompanied by Mr. Paul PANG, Dean of Students, Ms. Carol WONG, Director of RTO and Prof. Jason YANG, Director of RSKTO.

During the meeting, Prof. Chuxia DENG shared FHS's latest developments and research achievements. Rector SONG recognized the 6-year achievements obtained by FHS since its establishment in 2013. Rector SONG stressed that more efforts should be spent on the quality of the research output and the nurture of high-calibre students. He urged FHS to pursue their hard work on organizing the joint programmes with other universities and the admission of local students. During the meeting, Rector SONG also collected the details of the difficulties FHS encountered, and encouraged our academic staff to communicate with the University management proactively.

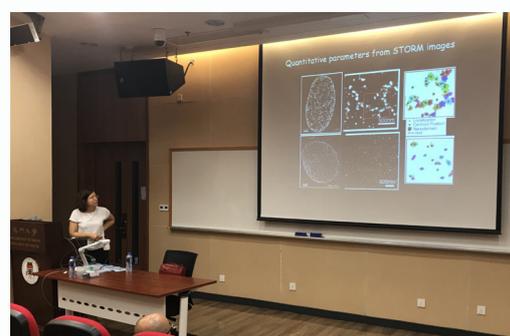
Seminar Series

Dissecting Chromatin Structure Using Super Resolution Microscopy – Prof. Maria Pia COSMA

Prof. Maria Pia COSMA, Senior Scientist and ICREA Research Professor of Departments of Center for Genomic Regulation, Barcelona, presented “Dissecting Chromatin Structure Using Super Resolution Microscopy” on 9 September.

Prof. COSMA claimed that her research interests is to dissect the functional modifications of the chromatin during the process of somatic cell reprogramming to pluripotency. Her team identified a novel chromatin fibre assembly and the relation among the decoded structure and naïve pluripotency by using quantitative super-resolution nanoscopy. Their research showed that nucleosomes arrange in groups of various sizes along the chromatin fibre, which her group named ‘nucleosome clutches’ (in analogy with clutches of eggs). They also dissected at nanoscale resolution level DNA contacts and looping in specific loci.

Finally, Prof. COSMA reported her current research about inspecting the 3D-structure of the chromatin and fiber looping across the chromosomes, and how the spatial organization of the chromatin fibres functionally change in stem and somatic cells.



Mid-Autumn Festival Gathering

On 12 September, professors, students and staff in FHS gathered together for the Mid-Autumn Festival celebration. Prof. Chuxia DENG gave an opening speech before the gathering. He warmly welcomed all the comers, especially the newly enrolled students. Prof. DENG excitedly mentioned that the number of students enrolled this year has increased a lot. He wished that the big family of FHS can get larger and better. It was great to have a happy gathering and to see everybody having fun.



AWARD

In the HKUST Yuexiu Group One-Million-Dollars Entrepreneurship Grand Final Competition 2019 on 6 September, TMASS Technology Company Limited led by Prof. Terence POON achieved good results. The team won "Grace Award" and "Student Team Award" with the project "Next Generation Protein Analytical Technologies". This project is to develop a new generation of protein molecular detection products and services, which are available to target clinical and research markets. The technology can reduce the time for protein detection and cost savings to a quarter.

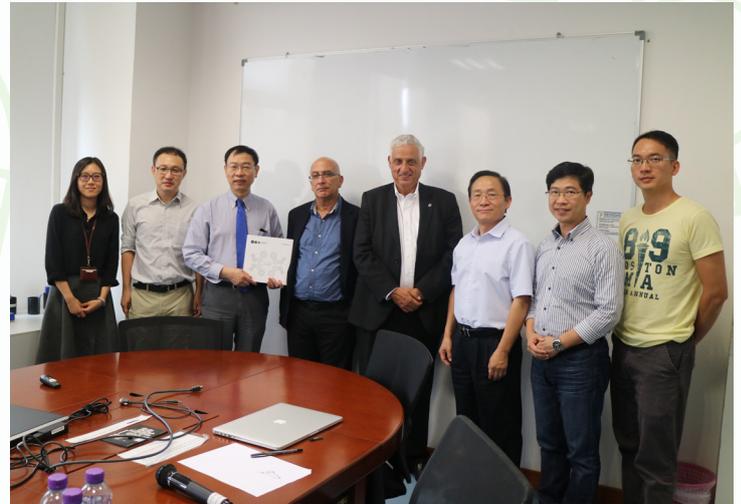


VISIT

On 12 September, Prof. Abdussalam AZEM, Dean of the George S. Wise Faculty of Life Sciences, Tel Aviv University and Mr. Meir BUBER, Senior Executive For Resource Development and Public Affairs Division, Tel Aviv University accompanied by Ms. Amanda LOU, Officer, Science and Technology Development Fund, MSAR visited the Faculty of Health Sciences (FHS), UM and were warmly received by Prof. Chuxia DENG, Dean of FHS and Prof. Reneh XU, Associate Dean (Research) of FHS.

Both parties had an in-depth discussion on higher education and scientific research. Prof. DENG and Prof. XU shared FHS's latest developments with the guests and Prof. William Chong Hang CHAO, Prof. Terence Chuen Wai POON, Prof. Vivien Ya-Fan WANG and Prof. Qi ZHAO introduced their research work to the guests. Prof. AZEM also showed the latest achievements of the George S. Wise Faculty of Life Sciences. Prof. AZEM praised FHS for its effort in scientific research, training of high-calibre professionals and internationalisation of the faculty. The guests expressed their hope for broader collaboration with FHS. Both parties look forward to working out some cooperation in the near future, especially on student exchange and research collaboration.

The delegation then visited the core facilities and the aquatic room of FHS accompanied by Prof. POON. The guests were impressive by the research achievements and facilities of FHS.



September				
Mon	Tues	Wed	Thurs	Fri
16 The first working day after the Day following the Mid-Autum Festival	17 Seminar Series Targeting MT1-MMP: Therapeutic Opportunities in Obesity, Type 2 Diabetes and Other Associated Diseases Speaker: Prof. Hoi Leong Xavier WONG Host: Ms. Gloria LAU Time: 11:00 - 12:00 Venue: E12-G004	18 Seminar Series Towards Decoding and Restoration of Visual and Motor Functions Speaker: Prof. Jiayi ZHANG Host: Prof. Zhen YUAN Time: 09:30 - 10:30 Venue: E12-G004 Seminar Series (Pro-)fluorescent substrates for oxidizing and conjugating enzymes of drug metabolism Speaker: Prof. Risto Olavi JUVONEN Host: Prof. Garry WONG Time: 15:00 - 16:00 Venue: E12-G004 B-CAT Meeting #17 Speaker: Prof. Terrence POON Time: 17:00 Venue: E12-G004	19 FHS Postdoc/ Student Seminar Host: Prof. Garry WONG and Prof. Yutao XIANG Time: 17:00-18:00 Venue: N22-G002	20
23	24 Bio-Rad Protein Day Workshop and Instrument Demonstration Session 1: 11:00 – 12.30* Session 2: 14:30 – 16:00 Session 3: 16:00 – 17:30 * For Current users Venue: N22-4037 Registration: 	25	26 Technical Seminar 3-D Cultures / Organoids and its Applications Speaker: Dr. Ching-Huan CHEN Host: Gene Company Time: 14:30 - 16:30 Venue: N22-4028	27 2nd Macau Stem Cell Symposium Time: 09:00 Venue: N22-G002
30	1 National Day of the People's Republic of China	2 The Day following the National Day of the People's Republic of China	3 FHS Postdoc/ Student Seminar Host: Prof. Edwin CHEUNG and Prof. Chuxia DENG Time: 17:00-18:00 Venue: N22-G002	4