健康科學學院
Faculdade de Ciências da Saúde
Faculty of Health Sciences

NEWSLETTER

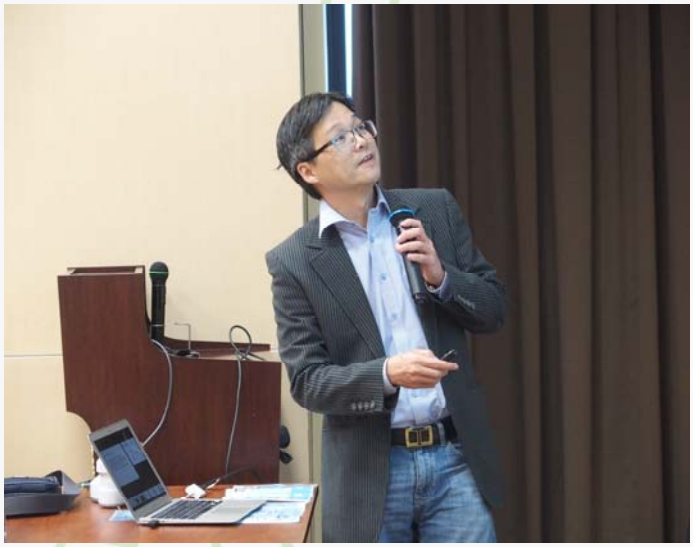
3rd ISSUE, 15-19 JAN 2018

ACADEMIC ACTIVITIES

Seminar: Series #1

On 16 Jan, Prof. Nelson Leung-Sang TANG from Department of Chemical Pathology of the Chinese University of Hong Kong delivered a seminar titled “Genetics of Idiopathic Scoliosis and Animal Models”.

Prof. TANG is committed to the research of Adolescent Idiopathic Scoliosis (AIS). He is the first person to propose a polygenic model of AIS. He developed the widely accepted Initiation – Progression model which accounts for different sides of bending even among identical twins. He discussed the loci contributing to the onset of AIS: LBX1, PAX1, PAX3, TNIK, MEIS1, MAGI1 are either the components of the WNT pathway or Homeobox genes.



Seminars: Series #2

On 17 Jan, Prof. Yupeng TIAN from School of Chemistry & Chemical Engineering of Anhui University delivered a seminar titled “Near-Infrared Two-photon Fluorescent Probes for Biological Imaging and Sensing”.

Two-photon fluorescence (TPF) imaging can allow imaging living tissue up to about one millimeter in depth, which has great potentials to track biological processes and interactions of chemicals with living subjects. But the molecular structure can significantly affect the performance of TPF materials. He introduced the design strategy of TPF probes and discussed a variety of applications in imaging and sensing.

B-CAT Meeting #10

On 17 Jan, Prof. Joong Sup SHIM gave his talk at B-CAT Meeting entitled “Searching for Synthetic Lethality Interactions in ARID1A-deficient Colorectal Cancer Cells”.

He introduced the generation of ARID1A-isogenic cell pairs and a small molecule screening approach to identify synthetic lethality interactions in colorectal cancer cells. And he also introduced a novel synthetic lethality candidate protein and its plausible mechanism of the synthetic lethality interaction with ARID1A deficiency. He suggested that pharmacological inhibition of the candidate protein represents a novel strategy to treat colorectal cancer carrying ARID1A loss-of-function mutations.

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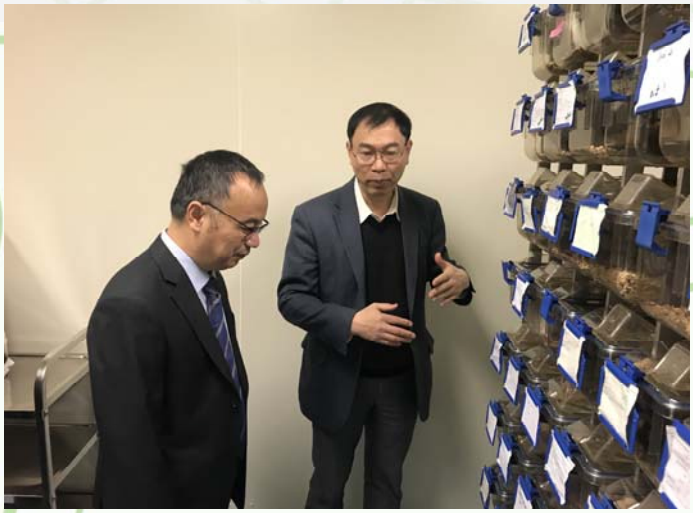
Publications of the week

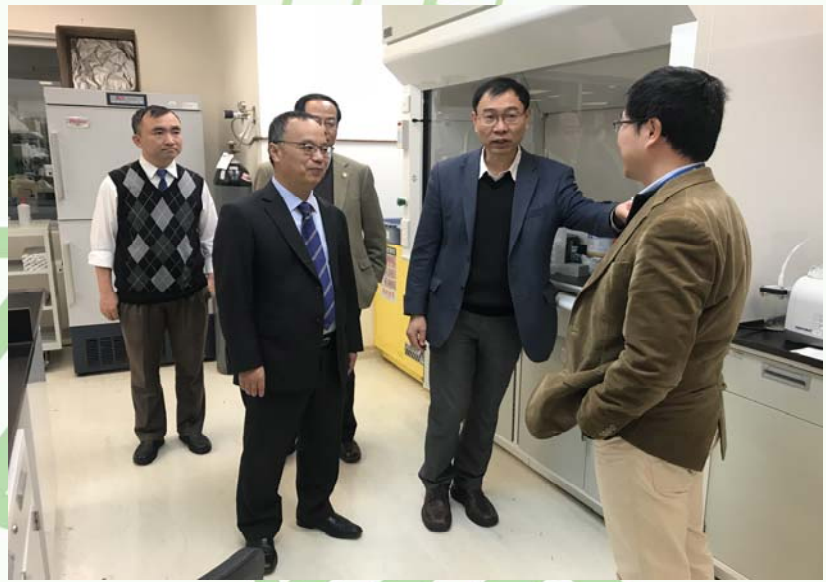
1. Kurtz, A., Seltmann, S., Bairoch, A., Bittner, M.-S., Bruce, K., Capes-Davis, A., Clarke, L., Crook, J., Daheron, L., Dewender, J., Faulconbridge, A., Fujibuchi, W., Gutteridge, A., Hei, D., Kim, Y. O., Kim, J. H., Kolb-Kokocinski, A., Lekschas, F., Lomax, G., Loring, J., Ludwig, T., Mah, N., Matsui, T., Müller, R., Parkinson, H., Sheldon, M., Smith, K., Stachelscheid, H., Stacey, G., Streeter, I., Veiga, A., and Xu, R. H. (2018) A Standard Nomenclature for Referencing and Authentication of Pluripotent Stem Cells. *Stem Cell Rep* 10, 1-6.

2. Luo, Y. M., Zhu, D. T., Xu, X. Y., Ge, L. X., Sun, X. F., Chen, G. K., and Chen, Y. Y. (2018) Generation of an induced pluripotent stem cell line from an adult male with 45, X/46, XY mosaicism. *Stem Cell Res* 27, 42-45.

VISITS AND EVENTS

Rector, Prof. SONG Yonghua, paid his first visit to FHS on 16 Jan. He first visited the Aquatic Room, Animal Facility and the Proteomics Core, which was led by Prof. DENG, Prof. GE, Prof. CHEN, Prof. XIE and Prof. POON. Subsequently, Rector and our Faculty leadership had a discussion and Prof. Deng presented the details of FHS. In the discussion, Rector shared his views on the research and academic development of FHS. The discussion is fruitful.





OTHER NOTIFICATIONS

Candidates for the Scientific and Technological R&D Award for Postgraduates for Year 2018

Two of our PhD students, Dapeng HAO and Fengmei LU have been recommended by the University of Macau to compete for this award which is given to the students who have taken part actively and played an important role in the scientific research and technological developments during their postgraduate studies. Their supervisors are Prof. Lijun DI and Prof. Zhen YUAN respectively.

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UPCOMING, 22-26 JAN 2018

SEMINARS #3 and #4

Title: Understanding the Non-coding Genome

Speaker: Xin LI

Department of Pathology,

Stanford University

Date: 23 Jan 2018（Tue）

Time: 10:30-11:30

Venue: E12 - G004

Title: Crossing the Blood-brain Barrier Strategies for Glioma Precision Therapy

Speaker: Zonghai SHENG

Shenzhen Institutes of Advanced Technology,

Chinese Academy of Sciences

Date: 26 Jan 2018（Fri）

Time: 10:00-11:30

Venue: E12 - G004