



COLD SPRING HARBOR ASIA

## QUANTITATIVE BIOLOGY: FROM GENES, CELLS TO NETWORKS

SUZHOU, CHINA
OCTOBER 13-17, 2014

Cold Spring Harbor Asia (CSHA) is the Asia-Pacific subsidiary of New York based Cold Spring Harbor Laboratory (CSHL). Inaugurated in 2010, CSHA is dedicated to promote international scientific exchange in the Asia-Pacific Rim by offering scientific conferences and advanced training courses with highest quality.



#### **ORGANIZERS**

Terence Hwa, University of California, San Diego, USA Chao Tang, Peking University, CHINA Michael Q. Zhang, University of Texas at Dallas, USA / Tsinghua University, CHINA



CHINA

#### **MAJOR TOPICS**

- Single cell dynamics and cellular decisionmaking
- Molecular & cellular network modeling
- Quantitative omics
- Quantitative approach to development, differentiation and disease
- Molecular evolution & population dynamics
- New computational and bioinformatics advances
- Synthetic, chemical & imaging technology advances
- Quantitative neuronal and brain science





#### **INVITED SPEAKERS**

William Bialek, Princeton University, USA Johan Elf, Uppsala University, SWEDEN Thierry Emonet, Yale University, USA Kerwyn Casey Huang, Stanford University, USA Daniel Fisher, Stanford University, USA Chinlin Guo, Institute of Physics, Academia Sinica, TAIWAN Kerwyn Casey Huang, Stanford University, USA Jing-dong Jackie Han, Partner Institute for Computational Biology, CHINA Jiandong Huang, University of Hong Kong, CHINA Terence Hwa, University of California San Diego, USA Luhua Lai, Peking Unviersity, CHINA Hao Li, University of California, San Francisco, USA Andrew Oates, MRC National Institute for Medical Research, UK Jose Onuchic, Rice University, USA Qi Ouyang, Peking University, CHINA Hualin Shi, Chinese Academy of Sciences, CHINA Boris Shraiman, University of California, Santa Barbara, USA Gary Stormo, Washington University Medical School, USA Sander Tans, AMOLF Institute, The NETHERLANDS Chao Tang, Peking University, CHINA Yuhai Tu, IBM T. J. Watson Research Center, USA Ping Wei, Peking University, CHINA Yilin Wu, The Chinese University of Hong Kong, CHINA Lingchong You, Duke University, USA

## ABSTRACT DEADLINE EXTENDED TO AUGUST 24, 2014

Abstracts with new and unpublished data are encouraged. Selection for short talks (10-20) and poster presentations will be made by the organizing committee on the basis of scientific merit and relevance.

#### **FELLOWSHIPS**

Again as a tradition of CSHL, we are eager to support as many junior scientists as possible. Certain number of presentations by graduate students or postdocs in this conference will be evaluated for fellowship awards (\$100-\$500).



Michael Q. Zhang, University of Texas at Dallas, USA/ Tsinghua University,



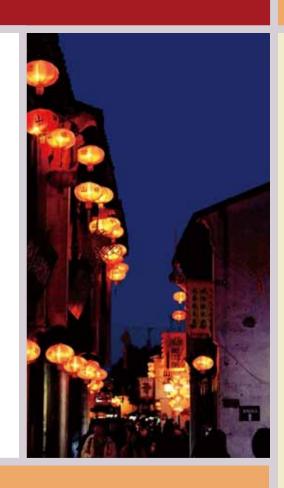


COLD SPRING HARBOR ASIA

# BONE AND CARTILAGE: FROM DEVELOPMENT TO HUMAN DISEASES

SUZHOU, CHINA November 3-7,2014

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#### **MAJOR TOPICS**

- Embryonic Development of Skeletal Tissues
- Homeostasis in Bone Remodeling : Osteoporosis & Osteopetrosis
- Crosstalk between Bone and Other Organs : Osteoimmunolgy & Bone Metastasis
- Skeletal Malformity and Osteoarthritis
- Inflammation and Bone Metabolism : Rheumatoid Arthritis & Bone Cancer
- Imaging and Biomarkers for Skeletal Cells and Diseases
- Skeletal Stem Cells and Tissue Engineering

#### **ORGANIZERS**

Christine Hartmann, University of Muenster, GERMANY Dae-Won Kim, Yonsei University, SOUTH KOREA Sakae Tanaka, University of Tokyo, JAPAN Yingzi Yang, NIH, USA

#### **KEYNOTE SPEAKERS**

**Roland Baron,** Harvard University School of Dental Medicine. USA

**Jang-Soo Chun,** Gwangju Institute of Science & Technology, SOUTH KOREA

**Toshio Matsumoto**, University of Tokushima, IAPAN



#### **INVITED SPEAKERS**

Frank Beier, University of Western Ontario, CANADA

Jan de Boer, University of Twente, THE NETHERLANDS

Jian Q. (Jerry) Feng, Texas A&M Baylor College of Dentistry, USA

Joji Fujisaki, Columbia University Medical Center, USA

Theresa Guise, Indiana University, USA

Christine Hartmann, University of Muenster, GERMANY

Kazuto Hoshi, University of Tokyo, JAPAN

Masaru Ishii, Osaka University, JAPAN

Hong-Hee Kim, Seoul Nation University, SOUTH KOREA

Dae-Won Kim, Yonsei University, SOUTH KOREA

Henry Kronenberg, Massachusetts General Hospital, USA

Takeshi Miyamoto, Keio University, JAPAN

Bjorn Olsen, Harvard School of Dental Medicine, USA

Hongwei Ouyang, Zhejiang University, School of Medicine, CHINA

Thomas Pap, University Münster, GERMANY

Marie-Hélène Lafage Proust, Laboratoire de Biologie du Tissu Osseux,

INSERM U 1059, FRANCE

Natalie Sims, ST Vincent's Institute, AUSTRALIA

Hiroshi Takayanagi, University of Tokyo, JAPAN

Sakae Tanaka, University of Tokyo, JAPAN

Ian Wicks, Walter & Eliza Hall Institute of Medical Research, AUSTRALIA

Yingzi Yang, National Institutes of Health, USA

### ABSTRACT DEADLINE EXTENDED TO SEPTEMBER 24, 2014

Abstracts with new and unpublished data are encouraged. Selection for short talks (25-30) from submitted abstracts will be made by the organizing committee on the basis of scientific merit and relevance.

#### **FELLOWSHIPS**

Again as a tradition of CSHL, we are eager to support as many junior scientists as possible. Certain number of presentations by graduate students or postdocs in this conference will be evaluated for fellowship awards (\$100-\$500).



