

植物生殖发育专题暑期班暨国际研讨会

活动内容

1、植物生殖发育专题暑期班：2011年8月1日-8月3日

2、植物生殖发育与育性国际研讨会：2011年8月4日-8月5日上午

地点：上海市东川路800号上海交通大学学术活动中心演讲厅

Monday 1st August 2011

Anther gene expression for the control of plant fertility

08:30-09:20 Summer Course I-1 (By Dr. Zoe A. Wilson)

09:30-10:20 Summer Course I-2

Future directions for the study of anther development in rice using systems biology

10:30-11:20 Summer Course II-1 (By Dr. KiHong Jung)

14:00-14:50 Summer Course II-2

Male Reproductive Development and Floral Organ Specification in Rice

15:00-15:50 Summer Course III-1 (By Dr. Dabing Zhang)

16:00-16:50 Summer Course III-2

Tuesday 2nd August 2011

MicroRNAs and other small RNAs in sexual reproduction

08:30-09:20 Summer Course I-1 (By Dr. Grant-Downton Robert)

09:30-10:20 Summer Course I-2

Coordination of crossover formation in meiosis: what we know and what we would like to know

10:30-11:20 Summer Course II-1 (By Dr. Chris Franklin)

14:00-14:50 Summer Course II-2

Signaling networks and targets used to elicit Papaver Self-Incompatibility

15:00-15:50 Summer Course III-1 (By Dr. Noni Franklin-Tong)

16:00-16:50 Summer Course III-2

Wednesday 3rd August 2011

Cellular Control of S-RNase-Based Self-Incompatibility in Flowering Plants

08:30-09:20 Summer Course I-1 (By Dr. Yongbiao Xue)

09:30-10:20 Summer Course I-2

Pollen tube guidance: the interplay between pollen tube and the ovule

10:30-11:20 Summer Course II-1 (By Dr. Weicai Yang)

14:00-14:50 Summer Course II-2

Cell signaling and cell fate determination in male gametogenesis, pollination and fertilization

15:00-15:50 Summer Course III-1 (By Dr. De Ye)

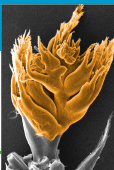
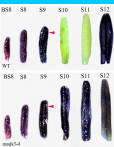
16:00-16:50 Summer Course III-2

Friday 5th August 2011

	Session V—Plant Reproductive Development and Epigenetics
08:30	Novel systems of phased siRNAs control late pollen development <i>Dr. Grant-Downton Robert (Plant Sciences, University of Oxford)</i>
08:55	Flowering time regulation mediated by protein arginine methylation <i>Dr. Xiaofeng Cao (Institute of Genetics & Development, Chinese Academy of Science)</i>
09:20	Studies on the rice endosperm development <i>Dr. Hongwei Xue (Shanghai Institute of Plant Physiology and Ecology, Chinese Academy of Science)</i>
09:45	AtRH59, a DEAH-box RNA helicase, functions on the development of Arabidopsis female gametophyte <i>Dr. Xiansheng Zhang (College of Life Sciences, Shandong Agricultural University)</i>
10:10	Tea break
	Session VI—Self incompatibility
10:30	Cellular Control of S-RNase-Based Self-Incompatibility in Flowering Plants <i>Dr. Yongbiao Xue (Institute of Genetics & Development, Chinese Academy of Science)</i>
10:55	Genetic Analysis of the Cross-Incompatible Gene Ga1-S and its Application in Maize Breeding <i>Dr. Huabang Chen (College of Life Sciences, Shandong Agricultural University)</i>
11:20	Recognition of "self": Papaver Self-Incompatibility uses conversations that commit "self" pollen to die <i>Dr. Noni Franklin-Tong (School of Biosciences, University of Birmingham)</i>
11:45	Lunch

Thursday 4th August 2011

	Session 1—Flowering network
08:30	Recent advances in the flowering network in Arabidopsis <i>Dr. Hao Yu (Department of Biological Science, National University of Singapore)</i>
08:55	LEAFY Target Genes Reveal Floral Regulatory Logic, cis Motifs, and a Link to Biotic Stimulus Response <i>Dr. Doris Wagner (Department of Biology, University of Pennsylvania)</i>
09:20	Regulation of plant development by the blue light photoreceptor cryptochromes <i>Dr. Hongquan Yang (School of Agriculture and Biology, Shanghai Jiao Tong University)</i>
09:45	Tea break
	Session II—Male Gametophyte
10:10	Regulatory networks in pollen development and dehiscence <i>Dr. Zoe Wilson (Plant and Crop Sciences Division, University of Nottingham)</i>
10:35	Male Reproductive Development and Floral Organ Specification in Rice <i>Dr. Dabing Zhang (School of Life Sciences & Biotechnology, Shanghai Jiao Tong University)</i>
11:00	NO PRIMEXINE AND PLASMA MEMBRANE UNDULATION (NPU), Is Essential for Primexine Deposition and Plasma Membrane Undulation during Microsporogenesis in Arabidopsis thaliana <i>Dr. Zhongnan Yang (College of Life and Environment Sciences, Shanghai Normal University)</i>
11:25	OsAPI5 regulates the tapetum degeneration in rice <i>Dr. Changyin Wu (Huazhong Agricultural University)</i>
11:45	Understanding early anther development in rice using male-sterile mutants <i>Dr. Ki-Hong Jung (Department of Plant Molecular Systems Biotechnology & Crop Biotech Institute, Kyung Hee University)</i>
12:15	Lunch
	Session III—Meiosis and Pollen tube growth modulation
14:00	Pollen tube guidance: the interplay between pollen tube and the ovule <i>Dr. Weicai Yang (Institute of Genetics & Development, Chinese Academy of Science)</i>
14:25	The role of Arabidopsis small ribosomal subunit proteasome in gametogenesis and embryogenesis <i>Dr. Lijia Qu, (College of Life Science, Peking University)</i>
14:50	Control of interhomolog recombination in Arabidopsis meiosis <i>Dr. Chris Franklin (School of Biosciences, University of Birmingham)</i>
15:15	The biosynthesis of pollen tube wall <i>Dr. De Ye (College of Biological Sciences, China Agricultural University)</i>
15:40	Molecular Mechanisms Underlying Tomato Pollen Germination and Tube Growth Mediated by Pollen Receptor Kinases-Associated Complexes <i>Dr. Weijie Huang (Shanghai Institute of Plant Physiology and Ecology, Chinese Academy of Science)</i>
16:05	Tea break
	Session IV—Developmental signaling
16:20	GABA mediates pistil-pollen tube communication and modulates pollen tube growth and orientation via activating Ca²⁺- permeable channel <i>Dr. Mengxiang Sun (College of Life Science, Wuhan University)</i>
16:45	Characterization of an ethylene inducible, calcium dependent nuclease that is differentially expressed in cucumber flower development <i>Dr. Shunong Bai (College of Life Science, Peking University)</i>
17:10	Coordinated regulation of Arabidopsis roots growth by auxin and gibberellin <i>Dr. Xiangdong Fu (Institute of Genetics & Development, Chinese Academy of Science)</i>
17:35	Evening meal at Faculty Club



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