

主催：東京大学 生物生産工学研究センター/東京大学 農学部

2011年度 東京大学生物生産工学研究センター 国際シンポジウム  
植物バイオテクノロジーの将来展望

International Symposium, Biotechnology Research Center, The University of Tokyo

Future Prospects of Plant Biotechnology

平成23年11月15日 (火) 10:00~18:05  
東京大学弥生講堂一条ホール

講演者 & プログラム (使用言語：英語)



入場無料  
参加申込不要

- 10:00 Opening address  
10:05 Welcome address  
10:10 **Anne Osbourn** (John Innes Centre)  
Genome mining and metabolic engineering for triterpene syntheses  
10:45 **Naoto Shibuya and Hanae Kaku** (Meiji Univ.)  
Identification and functional studies of chitin receptors in rice and Arabidopsis  
11:15 **Hiroshi Takatsuji** (Natl. Inst. Agrobiol. Sci.)  
Role of WRKY45 in rice defense program and its application for developing multi-disease resistant rice  
11:45 **Kazunori Okada and Hisakazu Yamane** (The University of Tokyo)  
Induction of diterpenoid phytoalexin production in rice by coordinated transcriptional control of the biosynthetic pathway genes  
12:15 Lunch  
13:30 **Yoko Nishizawa and Eiichi Minami** (Natl. Inst. Agrobiol. Sci.)  
Improvement of disease resistance by engineering MAMPs recognition receptors  
14:00 **Noriharu Ken Umetsu** (Otsuka Chemical Co. Ltd.)  
Current situation and future prospects of plant defense activators  
14:30 **Ara Kirakosyan** (University of Michigan)  
Overview of plant biotechnology with emphasis on natural products research  
15:05 **Keith Saunders and George Lomonosoff** (John Innes Centre)  
Development of RNA plant virus-based vectors and their application for the expression of high value proteins of pharmaceutical interest in plants  
15:40 Coffee break  
16:00 **Fumihiko Sato** (Kyoto University)  
Never-ending attempts to produce plant natural products *in vitro*; case study for isoquinoline alkaloids  
16:30 **Fumio Takaiwa** (Natl. Inst. Agrobiol. Sci.)  
Rice seed as a production platform for pharmaceuticals  
17:00 **Midori Kurahashi and Hiroshi Oyaizu** (The University of Tokyo)  
Production of biofuel from microalgae  
17:30 **Kentaro Yano** (Meiji University)  
Bioinformatics challenges as the driving force in plant and agricultural science  
18:00 Closing address

懇談会：弥生講堂アネックスセイホクギャラリー (18:30より)  
会費：2,000円 (当日申し受けます)  
懇談会申込：辻田 (tsujita@ofc.a.u-tokyo.ac.jp) まで

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