

농업생물신소재연구소

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2011
Agricultural Biotechnology Symposium

**Agricultural Biomaterials
for Next Generation**

August 25, 2011
Bldg. 203 (Rm. 101)
Seoul National University

Organized by
Center for Agricultural Biomaterials,
Seoul National University, Seoul, Korea

모시는 글

우리 연구소는
농업생명과학분야의 생물신소재에 대한
연구를 수행하고 있습니다.

금년에는 농업생물공학 국제심포지엄의
지나온 20년 발자취를 돌아보고
미래를 향한 재도약의 발판을 마련하고자
'Agricultural Biomaterials for Next Generation'이라는 주제로
국내외 석학을 모시고 국제심포지엄을 개최하고자 합니다.

부디 참석하시어 이 분야의 연구가 활성화될 수 있도록
의견 교환과 격려를 부탁드립니다.



2011년 8월

서울대학교 농업생물신소재연구소장
문 태 화

Program

09:30~09:50	Registration
09:50~10:00	Opening address
Session I : Enzymes for Agricultural Biomaterials Chair : Pahn-Shick Chang (Seoul National University, Korea)	
10:00~10:40	Kwan Hwa Park (Incheon University, Korea) <i>Enzymatic modification of starch for food industry</i>
10:40~11:20	Atsuo Kimura (Hokkaido University, Japan) <i>Molecular anatomy of α -1,6-glucoside(s)-forming and -hydrolyzing enzymes, comprising megalosaccharide-producing enzymes</i>
11:20~12:00	Eui-Jeon Woo (KRIBB, Korea) <i>Structural feature of the extreme thermophile maltogenic amylases from archaea</i>
12:00~13:30	Lunch Break
Session II : Microbes and Agricultural Biomaterials Chair : Kwang Pum Lee (Seoul National University, Korea)	
13:30~14:10	Suhn-Kee Chae (Pai Chai University, Korea) <i>Characterization of genes for hypoxic stress adaptation in Aspergillus nidulans</i>
14:10~14:50	Jungkwan Lee (Dong-A University, Korea) <i>Usage of zearalenone for a conditional gene expression system in Gibberella zeae</i>

14:50~15:10	Coffee Break
Session III : Food Ingredients and Biotechnological Applications Chair : Joong-Hyuck Auh (Chung-Ang University, Korea)	
15:10~15:50	Bruce R. Hamaker (Purdue University, U.S.A.) <i>Control of glucose delivery to the body and potential physiologic effect</i>
15:50~16:30	Sang Ho Yoo (Sejong University, Korea) <i>Designing functional carbohydrate materials by utilizing transglycosylating activity of amylosucrase</i>
16:30~17:10	Yong Ro Kim (Seoul National University, Korea) <i>Characterization and utilization of 4- α -glucanotransferase (4 α GTase)-treated starch</i>
17:10~17:30	Closing ceremony