

EKC 2011 conference 참석 및 신성장동력 자료 수집

- 정은미 연구의원 (성장동력산업연구센터)

출장 개요

개요

○ 출장자 : 정은미 연구의원

○ 출장지역 : 프랑스(파리)

○ 기간 : 2011. 7. 20 ~ 7. 26 (5박 7일)

○ 방문 목적

- EKC 2011 conference 참석 및 신성장동력 자료 수집

1. 출장일정

일자	일정
7월 20일	인천 → 파리 이동
7월 21일	Green Industry forum 2011(a dedicated industrial sidebar meeting of EKC 2100) 참석
7월 22일 - 23일	EKC 2011(2011 EU-Korea Conference in science) 참석
7월 24일	자료정리 및 휴식
7월 25일	OECD STI/EAS 방문
7월 25일	파리 → 인천 이동

2. 출장 내용

□ EU-Korea Conference in science

- 지난 7월 20일부터 23일까지 개최된 제 4회 유럽-한국 과학기술 컨퍼런스에 참가하여 과학기술동향 및 정책, 관련 자료 수집
- 본 컨퍼런스는 2008년부터 시작되어 올해 4번째 개최되었으며, 과학기술 고급인력 뿐만 아니라 정책입안자, 학생들에 이르기까지 다양한 인력이 참여
 - 재유럽 과학자는 총 1,700여명에 이르는 것으로 보고하였으며, 그중 영국이 1천명으로 가장 많고, 프랑스, 독일, 영국, 오스트리아 과학기술자협의회를 주축으로 번갈아가며 개최
- 녹색성장을 주제로 한 본 행사에서 녹색기술, 정책 등에 대하여 다양한 발표가 이루어졌으며, 인력 교류가 매우 활발하게 이루어졌음.
 - 신성장동력 관련 주요 품목들의 기술개발 동향 및 산업화 현황, 전망에 대한 자세하고 전문적인 자료들이 제출되었으며, 기술개발 아이디어의 교환, 선진연구 결과에 대한 정보확보, 다학제적 접근이 이루어졌음.
- 녹색성장에 대한 국내 연구기관은 물론이고 관련 기업, 단체들의 참여가 높았으며, 유럽 현지 과학기술인력 뿐만 아니라 국내 기관들의 참여비중도 높았음.
 - OECD에서도 본 행사에 참여하여 녹색성장에 대한 OECD의 추진전략에 대해 보고하였으며, 유럽 주요국의 녹색성장전략 및 주요 정책,

성과 등에 대해서도 발표가 이루어졌음.

□ 녹색산업포럼 (Green Industry Forum 2011, 7/20~21)

○ EKC 본 행사 직전인 7월 20~21일에 산업체들의 녹색성장을 위한 Green Industry Forum을 별도로 개최

- EKC 본 행사가 학술적으로 진행되는 반면, 녹색산업포럼은 한국과 유럽의 기업과 과학기술자들간의 실질적인 협력기회를 발굴하고자 올해 처음 병행하여 개최

- 녹색성장 시대에 대응하는 한국 기업들의 신성장 동력사업 방향이나 국제협력 등 각 산업계의 관심 이슈들을 중심으로 다양한 의견을 교류하는 장으로 활용 효과

○ 이번 포럼에서는 다양한 녹색산업 분야들을 다루었음.

- eco-city 세션에서는 친환경 건물이나 스마트 에너지 관리 등 근래 전 세계적으로 관심이 집중되고 있는 생태도시에 관련된 다양한 논의를 통해 한국과 유럽간에 협력할 사안을 탐색하는 기회 창출

- 그린카, 재생에너지, bio medical and cosmetics 등 녹색성장을 주도하는 산업분야에 대한 세션에서 관련 기업들의 발표를 통해 협력 기회 제공

○ 녹색성장 정책이나 환경정책 등 제반 녹색정책을 통해 산업의 성장 기회를 다루는 세션과 한국과 유럽간 기술/지식이 활발하게 교류할 수 있도록 하는 기반 조성

□ 시사점

- 녹색산업포럼은 올해 처음으로 시도되었는데 관련 연구주체, 기업들의 호응이 높았으며, 인적교류 및 국내기업의 홍보 및 해외인력의 유치를 위한 행사도 병행되어 다양한 부문과의 business networking 효과 기대
- 과학기술 관련 연구기관은 물론이고 에너지, 환경 관련 연구원들의 참여가 활발하게 이루어졌는데, 산업정책 및 발전전략을 수립하는 산업연구원에서도 고정적으로 동 행사에 대한 관심을 갖고 참여할 수 있는 방안을 모색하는 것이 필요
 - 행사에 지속적으로 참여하는 방안으로는 연구원의 주요 산업정책 및 전략에 대한 발표, 국내외 연구기관과의 네트워킹 등
 - 지경부 산하 기관으로는 한국산업기술진흥원(KIAT)가 참가하여 산업포럼의 공동 주최기관의 역할을 수행

첨부 1 : EKC 2011 Programme

■ Plenary Sessions "Toward Green Growth"

○ Opening and Plenary Session 1

- Welcome Address from the EKC2011 Chair (including introduction of VIPs) ; Chang-Hoon Jun (President, ASCoF)
- Welcome Address from the KOFST President ; Sang-Dae PARK, President, KOFST à Sang-Mok LEE, Secretary General, KOFST
- Welcome Address from the Vice Minister of MEST ; Chang-Kyung Kim (Vice minister, MEST)
- Welcome Address from the Ambassador ; Heung-Shin Park (Ambassador of the Republic of Korea to France)
- Key Note Speech: Green Growth Policy and Leadership of the OECD ; Richard Boucher (Deputy Secretary General, OECD)
- Global Green Growth in Korea ; Jun-Kyung Kim (Vice president, KIST)

○ Plenary Session 2

- Introduction to KSEAUK ; Joung-Hwan Lee (President, KSEAUK)
- Introduction to KOSEAA ; Man-Wook Han (President, KOSEAA)
- Green Growth in Korea: Strategy and Policy ; Wha-Jin Han (Vice president, KEI)
- The Tohoku Earthquake : New Perspectives ; Jean-Pierre Vilotte (Institut de Physique du Globe de Paris, CNRS, France)
- Korea-EU FTA and Industrial Environment Change ; Joong-Ho Kim (Lawyer, Founding Partner, Alerion Avocats, France)

○ Closing Session

- Introduction to VeKNI and EKC2012 ; Joon-Weon Seok (VeKNI)
- Women and Science and the European Union ; Claudine Hermann (Honorary professor of physics, Ecole Polytechnique)
- Report from Young Generation Forum (YGF) ; Su-Yeon Lee (Secretary of YGF in ASCoF, ASCoF)

■ Technical Sessions

○ Session 1 : Bio-Science

- Novel Materials and Devices for Bioscience Applications ; R. Eccleston (U. Nottingham Trent, UK).
- Korean Handacupuncture at the Vienna Acupuncture Ambulance ; Y. S. Mosch-Kang (KOSEAA, Austria)
- Enhanced Single Molecule Detection Under Conditions of Fast Flow (Not open to the public) ; J-U Shim, S. Ibrahim, G. Blaser, S. Jackson, C. Abell, D. Klenerman (U. Cambridge, UK)
- Prognostic Significance of Circulating Tumour Cells Following Surgical Resection of Colorectal Cancers: A Systematic Review ; C-N Kim (Imperial College School of Medicine, UK), G. Peach, E. Zacharakis, S. Purkayastha and P. Ziprin (St. Mary's Hospital, UK)
- Plant Stem Cells for the Production of Pharmaceuticals ; B-W Yun (U. Edinburgh, UK)
- Major Programs of National Research Foundation of Korea ; S. Kang-Park (National Research Foundation, Korea)

○ Session II : Information Technology

- The Future is Individual's Care ; J-F Duval (Biomesure.fr, France)

- How Much Sum Energy Usage is Needed in Energy-Limited Multiuser Diversity Systems ; Y. Ko (U. Surrey, UK)
- Throughput Analysis in CSMA/CA-based Wireless Multi-hop Networks based on Stochastic Geometry ; B. Cho and J. Hwang (U. Aalto, Finland)
- Enhancing Business Web Survey Response Rate With a Criteria-Based Approach for Persuasive Interfaces ; A. Nemery and E. Brangier (U. Metz, France)
- Smart phone, Where Does the Power Go ? ; H. Kim, H. Joe and J. Lee (U. Chungnam National, Korea)

○ Session III : Nano & Robot Technologies

- A Novel Neural Microelectrode Coated with Platinum Nanowires ; Y-H Jin, P. Daubinger, B. Fiebich and T. Stieglitz (U. Freiburg, Germany)
- Controlled Association of Single-Molecule Magnets: Toward New Generation of Magnetic Materials (Not open to the public) ; I-R Jeon, R. Ababei, L. Lecren (U. Bordeaux 1, France)
- Green Nano Technology Policy and Research Trend Analysis ; H. Kim (National Research Foundation, Korea)
- Numerical Simulation of RTM Process by Using XFEM Combined with Level Set Method ; Y. Jung, W-S Han A. Vautrin (Ecole Nationale Supérieure des Mines de Saint-Etienne, France), S. J. Kim (U. Seoul National, Korea)
- High Dynamic Range Image-based Urban Traffic and Building Environment Understanding ; K-H Jo and A. Vavilin (U. Ulsan, Korea)

■ List of posters

○ Session I : Bio-Science

- I-1: Different Behaviors of Three Bacterial NO-Sensors Interacting with Nitric Oxide ; B-K Yoo, I. Lamarre, J-L Martin, P. Nioche and M. Negrerie (EcolePolytechnique, France)
- I-2: Homeobox Protein WOX8 and WOX9 Control Apical-Basal Axis Formation via Regulating the Stability of PIN7 Auxin Efflux Carrier during Arabidopsis Embryogenesis ; C. Park (U. Freiburg, Germany)
- I-3: In Vitro Regulation of Melatonin Receptor Expression by Gonadotrophin-Releasing Hormone (GnRH), S. E. Bae, I. Wright and J. Johnston (U. Surrey, UK)
- I-4: Unique Rearrangement in Immunoglobulin Variable Heavy Chain Gene in Ankylosing Spondylitis Patients Compared to Rheumatoid Arthritis Patients ; Y. J. Kim, C-H Nam (KIST-Europe, Germany), N. Y. Kim (U. Gyeongsang National, Korea), H. J. Baek (U. Gil Hospital, Korea)
- I-5: Design of Phage Network as Functional Scaffold using Chemically Modified Phage for Tissue Regenerating Biomaterials ; Y. J. Kim, K. H. Hwang, C. H. Nam (KIST-Europe, Germany)
- I-6: Regulation of HP1 Activities by DYRK1A, J. S. Min (Institut Pasteur, France)
- I-7: Electrochemical Impedance Behavior of Bacteriophages with Different Charge Distribution ; S. J. Park, D-Y Jeon, K-H Hwang (LAHC, France), Y-J Kim, G-T Kim (U. Korea, Korea) and C-H Nam (KIST Europe, Germany)
- I-8: A Review of Electronic Nose in Disease Diagnosis ; C-H Shim (CNRS, France)
- I-9: Treating Allergy with Korean Hand Acupuncture ; Y. S. Mosch-Kang (KOSEAA, Austria)
- I-10: Self-Reported and Measured Anthropometric Data and Risk of Colorectal Cancer in the EPIC-Norfolk Study ; J. Y. Park

(International Agency for Research on Cancer, France and U. Cambridge, UK), P. N. Mitrou, R. H. Keogh, R. N. Luben, K-T K. Nicholas (U.Cambridge, UK) and J Wareham (Addenbrooke's Hospital, UK)

- I-11: Development of Elbow Trainer with EMG Signals ; S. J. Song (U. Gangneung Wonju National National, Korea), M. H. Lee (U. Yonsei, Korea)

○ Session II: Information Technology

- II-1: Predictive Maintenance Using Product Usage Data ; J-H Shin, S. Kim and J. Hwang (KIST Europe, Germany)
- II-2: Analysis of Pseudonym Change for Secure Vehicular Communication ; J-H Lee (INRIA, France)
- II-3: Electric Energy Consumption Monitoring and Controlling Services based on Wireless Sensor Networks ; J. Hwang, S. Lee and W. H. Kim (KIST Europe, Germany)
- II-4: Enhanced Spectral Hole Substitution for Improving Speech Quality in Low Bit-Rate Audio Coding ; C-H Lee(Orange Labs, France)
- II-5: Recommending the Meanings of Newly Coined Words ; J. G. Lee, Y-M Kim (UPMC, France), J. Park (ELDA/ELRA, France), J. W. Cha (U. Changwon, Korea)
- II-6: Practical Experiments with a Naïve Approach for Keyphrase Extraction ; J. Park (ELDA/ELRA, France), J. G. Lee (UPMC, France) and J. W. Cha (U. Changwon, Korea)
- II-7: Developing a Smartphone Using Open-Source Software ; H. Chang (Nokia, Finland)
- II-8: Polymer-ZnO Hybrid Photovoltaic Cells ; S. Han (U. Surrey, UK)

○ Session III: Nano & Robot Technologies

- III-1: FinFETs with Buried Storage Layer for Flash Memory Application ; S. Chang (INP, France), M. Bawedin, W. Xiong and C. Sorin (U. Montpellier 2, France)
- III-2: Intensity-Based Visual Servoing for Non-Rigid Motion Compensation of Soft Tissue Using 4D Ultrasound ; D. Lee (KIST, Korea) and A. Krupa (INRIA, France)
- III-3: Coordinated Road-Network Search Planning and Ground Target Tracking by Teams of Unmanned Autonomous Vehicles ; H. Oh, S. Kim, A. Tsourdos and B. White (U. Cranfield, UK)
- III-4: Freezing Phenomena of the Bend Transition in Pi-Cells ; C-H Lee, P. Raynes and S. Elston (U. Oxford, UK)
- III-5: Controlled Surface Adsorption of FD Filamentous Phage by Tuning of The pH and the Functionalization of the Surface ; D-Y Jeon (LAHC, France) and G-T Kim (U. Korea, Korea)
- III-6: Carbon-based Saturable Absorbers for Cr⁴⁺ -Doped Solid State Laser Mode-Locking ; W. Cho (U. Cambridge, UK), F. Rotermund (U. Ajou, Korea) and B. H. Hong (U. Sungkyunkwan, Korea)
- III-7: Relationship between Imagination and Development: A Case Study of Japanese Robot Animation and Technology ; J. Lee (U. Vienna Technology, Austria) and Y. K. Lee (U. Seoul National, Korea)
- III-8: A Low Power and High Linear Double Balanced Mixer for Automotive Radar at 77GHz using SiGe:C Bipolar Technology ; J-S Jang (INSA, France) and L. Moquillon (ST-Microelectronics, France)
- III-9: On the possibility of Aerospace Propulsion Apparatus using Korean Traditional Paper “Hanji” ; H. Huh (U. Chungnam National, Korea)
- III-10: The Organization of Carbon Nanotubes and Silicon Nanowires using Porous Anodic Alumina Template ; K-H Kim, E. Lefeuvre, M.

Chatelet and C-S Cojocaru (Ecole Polytechnique, France)

- III-11: Robot Soccer and Edutainment ; M-W Han (KOSEAA, Austria)
- III-12: Dependence of Magnetic Anisotropy on Buffer Layers in Cofeb-Mgo Structures ; S-M Ahn (CNRS, France), D. Ravelosona and O. Berthold (Singulus Technologies AG, Germany)

○ Session IV: Energy & Environment

- IV-1: A Study for Thermoelectric Properties of Si Nanowires ; J-H. Choi, M. Pala, L. Latu-Romain and E. Bano (CNRS, France)
- IV-2: An Application of Different Multi-linear Regression Methods to Develop an Integrated Addition Model for Predicting Mixture Toxicity ; J. Kim, S. Kim (KIST Europe, Germany) and G. E. Schaumann (U. Koblenz-Landau, Germany)
- IV-3: Properties of NH₃ Removal and Water Absorption/Desorption of Lime-Stabilized Earth ; M. Cho (CRATerre-ENSAG, France)
- IV-4: Cost-Effective Separation of Hydrogen Isotope ; H. Oh (Max Plank Institute, Germany)
- IV-5: Feasibility of Application of EUSES to Chemical Risk Assessment in K-REACH ; J-S Ra and S. Kim (KIST Europe, Germany)
- IV-6: Development of the Molten Carbonate Fuel Cell System Considering to Design for Flexibility ; S. Kim, Y. Oh, D. Kim and S. Kim (POSCO Power, Korea)
- IV-7: Operating Performance Analysis of 2.4MW Molten Carbonate Fuel Cell System ; M. Kang (POSCO Power, Korea)
- IV-8: Effect of Operating Condition on the System Operating Characteristic in the MCFC Power System ; T. Y. Kim, Y-M Kim, Y-J Cho, S-H Lee (POSCO Power, Korea)
- IV-9: Study of Pilot Pre-reformer Reaction Characteristic for Internal

Reforming MCFC ; B. O. Choi, J-H. Jeong, S-H Lee, J-S Kim (POSCO

Power Korea)

- IV-10: Development of MCFC System Dynamic Model and its Analysis ; Y. J. Cheon, Y. Kim, I-B Lee (POSTECH, Korea), Y-J Cho, M-K Kim, S-H Lee (POSCO Power Korea)
- IV-11: Waves on a Columnar Vortex in a Rotating and Strongly-Stratified Fluid ; J. Park (Ecole Polytechnique, France)
- IV-12: Scientific Challenges for Compliance to Global Chemical Regulations ; H. Jeon, S. Kim and J. Hwang (KIST Europe, Germany)
- IV-13: Two-stage VSA Process for Carbon Capture in Power Plant ; H. Ahn and S. Brandani (U. Edinburgh, UK)
- IV-14: Zeolitic Imidazolate Frameworks: Porous Materials for CO₂ Capture/Separation ; K. S. Park (U. Liverpool, UK)
- IV-15: Integrating Renewable Energy Generation through Demand-Side-Management ; Y. J. Yu (Fraunhofer Institute for Building Physics, Germany)
- IV-16: SPMS based on Hybrid Generation System for Ocean Structure & Leisure-ship ; J-S Oh and D-Y Park (U. Korea Maritime, Korea)
- IV-17: The Design Plan to Obtain Optimal Capacity of Renewable Energy Combination Systems (RECS) for School Facilities ; J. Kim, J. M. Kim (U. Strathclyde, UK), H. Park (KIER, Korea)
- IV-18: CFD Modelling of Wind Farm on Complex Terrain ; K. Koh (U. Loughborough, UK)
- IV-19: Numerical and Experimental Study of a Thermoelectric Heat Pump (THP) Innovative based on an Integrated Design and Technology's Impinging Jet ; Y. Kim (CNRS, France)
- IV-20: Internet-Enabled Discrete Demand Side Control ; J. M. Kim (U. Strathclyde, UK)

- IV-21: ITER Nuclear Safety Approaches ; J. B. Lee (ITER, France)
- IV-22: Arctic Warming Consequences ; W. Park, A. Biastoch
(IFM-GEOMAR, Germany) and V. Khon (Russian Academy of Sciences, Russia)
- IV-23: Climate Neutral Future City Model ; I. Cha (ZED Factory Ltd, UK)
- IV-24: Development of a Novel Macroelement for the Seismic Design of Unreinforced Masonry Structures ; J. Park (RWTH Aachen, Germany)
- IV-25: The Development and Classification of Ho Chi Minh City's Urban Structure Types ; K. Moon (U. Brandenburg Technology Cottbus, Germany)
- IV-26: Green Architecture Design by BIM Process ; S-H Lee (Groupe ZI:UM, France)
- IV-27: A Review on the Current Eco-Town Developments in UK and the Characteristics ; D. K. Kim (AA school, UK)
- IV-28: Assessment of Human Heat Stress by Urban Spatial Structure ; H. Lee (U. Freiburg, Germany)
- IV-29: The Cistercian Monastery Architecture in 12th Century France: its Contribution to Modern Architecture. ; E. Rhee (Indarti Associates, UK)
- IV-30: Development of Rational Exposure Assessment Strategy under K-REACH for Risk Assessment for Workers by ECETOC TRA ; B-H Ryu, J. Kim and S-H Kim (KIST Europe, Germany)
- IV-31: Business Opportunities in Circular Economy ; D. Kim (U. East Anglia, UK)
- IV-32: Green Supply Chain Management through Inter-firm Collaboration ; M. J. Kang, S. Kim and J. Hwang (KIST Europe, Germany)
- IV-33: Building Shell Optimization ; Chul Woo Hyun (KOSEAA,

Austria)

- IV-34: Passive House - A Movement Toward Energy-Efficient and Resource-Conserving Future ; J. A Ban (U. Vienna Technology, Austria)
- IV-35: Cost Management Process Improvement through a Sustainable Business Process Management ; H-C Lim (U. Changwon National, Korea), K. S. Park (U. Aston, UK)
- IV-36: Corporation Social Responsibility (CSR) Driven Innovation ; C. Brodhag and Y. Kim (Ecole Nationale Supérieure des Mines de Saint Etienne, France)
- IV-37: Sustainable Nuclear Fuel Cycle ; Y-J Choi (OECD Nuclear Energy Agency, France)
- IV-38: Sensitizer doped bulk hetero junction organic solar cells ; Jinwoo Choi (Ecole polytechnique, France)
- IV-39: L'Avion Jaune - Marine UAV ; M. Gavart (L'Avion Jaune SARL, France)

첨부 2 : Green Industry Forum 2011

▣ Session 1. Eco-City

The Demonstration Project for Convergence and Integration Technologies to Implement the Low Energy Building

; *Jin Sung LEE (Daewoo E&C, Korea)*

BRE, Sustainability for Environment, What does that mean?

; *Sung Han KOO (BRE, UK)*

Climate Neutral Future City Model

; *Insun LEE (Zed Factory, UK)*

Internet enabled Discrete Demand Side Control

; *Jaemin KIM (University of Strathclyde, UK)*

Green Architecture Design by BIM Process

; *Seung Ho LEE (ZI:UM, France)*

Integrating Renewable Energy Generation through Demand Side Management

; *Young Jae YU (Fraunhofer Institute for Building Physics, Germany)*

Return of Experience on the European EPBD Directives and the Green Building Business Development

; *Hicham LAHMIDI (Bureau Veritas Services, France)*

Assessment of Human Heat Stress by Urban Spatial Structure

; *Hyunjung LEE (University of Freiburg, Germany)*

Discussion

▣ Session 2 Green Car (Day 1 - - 20 July 2011)

Korean Green Car Industry Policy

; *Han Su JEON (KEIT, Korea)*

UK and Europe Green Car Industry

; Nick CLARE (CENEX Ltd, UK)

Development of Diesel Hybrid Engine Bus and its Background

; Dong .soo JEONG (KIMM, Korea)

UK Hydrogen & Fuel Cell Vehicles

; Jung .Sik KIM (University of Loughborough, UK)

Korean Green Car Development Trend

; Chun .Beom LEE (KATECH, Korea)

Discussion

■ Session 3 Green Policy & Business Opportunities

European Green Growth Policy

; Christian BRODHAG (EMSE, France)

GGGI & Its Green Growth Activities for Developing Countries

; Ok .Joo JEONG (Global Green Growth Institute, Korea)

Policy on Environmental Industry in Korea

; Hee .Song JO (Ministry of Environment/OECD, France)

GHG Reduction in Korea

; Chang .Hoon LEE (KEI, Korea)

Achieving Carbon Management and Sustainability Goals

; Roger ECCLESTON (Nottingham Trent University., UK)

Separation Processes for Carbon Capture

; Hyungwoong AHN (University of Edinburgh, UK)

Scientific Challenge for Compliance to Global Chemical Regulations

; Hyunpyo JEON (KIST .Europe, Germany)

Business Opportunities in Circular Economy

; Dowon KIM (University of East Anglia, UK)

Discussion

■ Session 4 Perspectives on Renewable Energy

Strategy of Renewable Energy Business in SK

; *Chilsung KIM (SK Innovation, Korea)*

Green Energy Businesses of Hyundai Heavy Industry

; *Sehyun LEE (Hyundai Heavy Industry, Korea)*

Systems of Offshore Wind Turbines

; *Seung .Deog YOO (KERC, Germany)*

World Energy Strategies

; *Myung .Ki KIM (Enertopia, France)*

Hybrid Bulk .Heterojunction Solar Cells Incorporating

; *Seugnjin HAN (University of Surrey, UK)*

Discussion

■ Session 5 Biomedical & Cosmetic Sciences

Pharmaceutical Business Development and its Regulatory Affairs

; *Xavier FRUNEAU & Jacques VANDERMANDER (PL&C, France)*

The Application of Biological Model to Cosmetics and Dermatological Product by using Human Skin Maintained in Survival

; *Elien LATI (BIO .EC, France)*

Bacterio Phage Application on New Medicaments

; *Chang .Hoon NAM (KIST .Europe, Germany)*

Plant Stem Cells for the Production of Pharmaceuticals

; *Byung .Wook YUN (University of Edinburgh, UK)*

Discussion

■ Session 6 Korea-EU Industrial Technology Cooperation in FTA and Open Innovation

Int'l R&D Cooperation Programme

; *Chang Ha LIM (KIAT, Korea)*

OSEO and International Cooperation

; Jean .Jacques YARMOFF (OSEO, France)
Korea .EU FTA and Industrial Environment Change
; Joong .Ho KIM (Alerion Avocats, France)
International Small Business Cooperation
; Jean .François DUVAL (Biomesure.fr, France)
Open Innovation Examples in KOSEN
; Jungsun YOON (KISTI, Korea)
LG Electronics and Open Innovation
; Tae Hong PARK (LG Electronics, Korea)
Joint Research of SK Innovation
; Chilsung KIM (SK Innovation, Korea)
Discussion