

Global Research Network Seoul 2021

December 14th^(Tue) - 15th^(Wed), 2021

Annual exchange of global research achievements
connecting BP alumni networks via online exhibition

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Ministry of Science and ICT



National Research
Foundation of Korea

Day 1 (Tuesday 14 Dec)

Opening

Opening

14:00 - 14:10

Opening Remarks by MSIT

Welcoming Remarks by NRF

Session 1 : Keynote Speech by Korean Scholar & BP+ Fellows

14:10 - 14:40

“The Journey to The First Solid-State Perovskite Solar Cell”

Prof. Nam-Kyu Park

- School of Chemical Engineering, Sungkyunkwan University

- Selected as Highly Cited Researchers(HCR, top 1% scientists)

14:40 - 14:50

Q&A

14:50 - 15:20

“Large-scale Video Understanding Research @VIP Lab”

Prof. Joonseok Lee

- Graduate School of DataScience, Seoul National University

- BP+(Brain Pool Plus) researcher in ‘21

15:20 - 15:30

Q&A

Session 2 : Career Development Counseling

15:30 - 16:00

Counseling with post BP Fellows for Career Development in Korea

- Jeffrey Hodgson (Assistant Professor at Sejong University)

- Jun Myoung Choi (Assistant professor at Pukyong national university)

- Sungil Lim (Senior Researcher at KIMM)

16:00 - 16:30

Introduction of Global Startup Hub, ‘Born2Global Centre’
and career opportunity of its global startup members in Korea

Session 3 : Sharing Excellent Research

17:00 - 20:00	Most Excellent Research	“Rethinking Toxicology: Transition from Statistical Interpretation of Observation to Analytical Prediction of Bio-physical Communication” Prof. Jong-Seong Khim (Seoul National University/Host Researcher) Dr. Gap Soo Chang (University of Saskatchewan/BP Fellow)
	ICT Convergence	“Efficient Implementation of Cryptographic Schemes in the Post-quantum Era” Dr. Wai-Kong Lee (Gachon University/BP Fellow)
		“Development of highly active and stable nanostructured electrodes for high temperature catalysis” Dr. Nikolai Tsvetkov (KAIST/BP Fellow)
		“Smart and sustainable efficient adsorbent for Hydrogen Storage and CO2 Capture” Dr. Nour Fathi Shehata Attia (Egyptian Young Academy of Science/BP Fellow)
	Engineering	“Highly biomimetic multifunctional gels: Design, fabrication, functions, and applications” Md. Tariful Islam Mredha (Chonnam National University/BP Fellow)
		“Rational Design and Tailoring of Electrocatalytic Materials via Pulsed Laser Techniques for Hydrogen Production” Dr. Theerthagiri Jayaraman (Gyeongsang National University/BP Fellow)
		“Zero water losses and hazardous emissions in the novel multigeneration systems : a breakthrough in sustainable energy systems” Dr. Pouya Ifaei (Kyung Hee University/BP Fellow)

Day 2 (Wednesday 15 Dec)

Opening

14:00 - 14:10

Opening

Session 1 : Keynote Speech by Korean Scholar & BP+ Fellows

14:10 - 14:40

“My research in Korea : Tailor-made charge-containing polymers”

Prof. Moon Jeong Park

- Chemical Engineering, POSTECH

- Fellow of the American Physical Society(APS)

14:40 - 14:50

Q&A

14:50 - 15:20

“Milasen & Programmable Medicine”

Prof. Jinkuk Kim

- Graduate School of Medical Science and Engineering, KAIST

- BP+(Brain Pool Plus) researcher in ‘21

15:20 - 15:30

Q&A

Session 2 : Career Development Counseling

15:30 - 16:10

Counseling with post BP Fellows for Career Development in Korea

- Francois Rameau (Associate Research Professor at KAIST)

- Hugo Rodrigue (Assistant Professor at Sungkyunkwan University)

- Girdhari Chaudhary (Contract Professor at Jeonbuk National University)

- Su Yeon Kim (Bioinformatics Director at IMBdx)

- Il-Hwan Kim (Senior Research Scientist at KRISS)

16:10 - 16:30

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Session 3 : Sharing Excellent Research

17:00 - 20:00	BP fellow’s Presentation on the “Most Attractive Research”	
	Life Science	“Transcriptional Regulation of Ros Signaling Controls Secondary Growth” Dr. Thi Tuong Vi Dang (POSTECH/BP Fellow)
		“A probiotic strategy in remediating heavy metal toxicities in aquaculture” Dr. Sib Sankar Giri (Gyeongsang National University/BP Fellow)
		“Lipid accumulation mechanism under stress response in a photosynthetic microalga Chlamydomonas” Dr. Yasuyo Yamaoka (The Catholic University of Korea/BP Fellow)
	Bio & Medical Science	“New imaging strategy for early detection of pancreatic cancer” Prof. Jeongsoo Yoo (Kyungpook National University/Host PI)
	Natural Science	“Magical physics in layered materials” Dr. Nicolas Leconte (University of Seoul/BP Fellow)
		“The chromosphere of coronal bright points: coronal and chromospheric responses to magnetic-flux emergence” Dr. Maria Madjarska-Theissen (Seoul National University/BP Fellow)