

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

14:00 - 14:10	Opening
	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-Gyu 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
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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	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	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)