

P. 기조강연

P1.

일시: 2019. 8. 13. (화) 10:40 - 11:30

장소: 제주국제컨벤션센터 3층 한라홀

좌장: 정연두 (서울시립대학교)



Biology of Memory and Engram

Bong-Kiun Kaang

*School of Biological Sciences, Seoul National University,
Seoul 08826, Korea*

Bong-Kiun Kaang, Ph.D. is Professor of neurobiology at School of Biological Sciences, Seoul National University (SNU). He joined SNU as a faculty member since 1994. He obtained B.S. at SNU in 1984. He obtained Ph.D. at Columbia University, in 1992 (Supervisor: Nobel Laureate Eric R. Kandel). His research focuses on molecular mechanisms underlying synaptic plasticity. Most synapses are known to be plastic and readily modified by various environmental stimuli and even by pathological conditions. A change in synaptic efficacy leads to a functional modification of neural circuit that may represent new information and may often underlie neurological and psychiatric disorders such as Alzheimer's disease, autism spectrum disorder, drug addiction, depression and posttraumatic stress syndrome. He has used cellular, molecular, electrophysiological and behavioral techniques to understand the molecular and cellular mechanisms underlying learning and memory and brain disorders using marine snail and rodents as experimental models. He has published more than 200 and review articles in a number of journals, including *Science*, *Cell*, *Nature*, *Neuron*, and *Nature Neuroscience*. He is currently the Editor-in-Chief of *Molecular Brain*. He won Life Science Award (2008) from Korean Society for Molecular and Cellular Biology, Donghun Award (2012), Korean Society for Biochemistry and Molecular Biology, the Kyung Ahm Prize (2012) from the Kyung Ahm Foundation, the National Academy of Sciences Award of Korea (2016), and Korea Best Scientist & Engineer Award (2018) from the Korean Federation of Science and Technology and the Korean Government. He is currently a National Honor Scientist and a Fellow of the Korean Academy of Science and Technology.

P2.

일시: 2019. 8. 13. (화) 11:30 - 12:00

장소: 제주국제컨벤션센터 3층 한라홀

좌장: 박종욱 (서울대학교)



Conservation and Sustainable Use of Biological Diversity

Byoung-Yoon Lee

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National Institute of Biological Resources (NIBR),
Incheon 22689, Korea*

Byoung-Yoon Lee received his Ph.D. in Plant Taxonomy at the Department of Plant Biology, University of Illinois at Urbana-Champaign, USA in 1998. His Ph.D. study was focused on taxonomic reexamination of a tribe Caucalideae (family Umbelliferae) using both morphological and molecular information. He earned a Master degree in taxonomic investigation on Korean Rubia at Korea University in 1989 after graduating the same University with a B.S. in 1987. He worked for the School of Biological Sciences, Seoul National University as a BK (Brain Korea) 21-Assistant Professor (2000-2002). As a senior researcher at the National Institute of Environmental Research, he was in charge of managing Nation-wide surveys on biodiversity and ecosystem and studying securement of national sovereignty rights over biological resources. He is now the director general at the Department of Biological Resources Research of the National Institute of Biological Resources of the Korean Ministry of Environment. He is in charge of conservation of endangered and threatened species in Korea. Under his charge, NIBR has responsibility working as a CITES scientific authority and a scientific institute. He is also now working as the National Focal Point to Subsidiary Body of Scientific, Technical and Technological Advice (SBSTTA) of Convention of Biological Diversity (CBD). His duty is to analyze CBD decisions and recommendations, to conduct any scientific gaps between CBD requirement and Korean National Biodiversity strategies and Action Plans, and to fill the scientific gaps for implementation of Aichi targets at the national level. He has published more than 60 scientific papers related to taxonomy, genetic diversity, floristic studies, DNA barcoding of vascular plants.

P3.

일시: 2019. 8. 13. (화) 12:00 - 12:30

장소: 제주국제컨벤션센터 3층 한라홀

좌장: 신숙 (삼육대학교)



International Trend in Implementation of Nagoya Protocol and Korea's Possible Responses

Won Seog Park

*School of Law, Chung-Ang University,
Seoul 06974, Korea*

Mr. Won Seog Park, S.J.D. is currently a Professor of Law at School of Law, Chung-Ang University in Seoul. Professor Park earned his S.J.D., LL.M and M.L.I from University of Wisconsin-Madison, and bachelor of law at Chung-Ang University, Seoul, Korea. His academic interests have centered around the interface between International Trade Law and International Environmental Law, exploring the possibility for balancing the two conflicting interests. Aside from his professorship, he has been a senior advisor to Korea's WTO/FTA negotiations for the last 20 years. However, his last 10 years have been mostly dedicated to the inter-governmental environmental negotiations for Korean government, which includes Convention on Biological Diversity, Nagoya Protocol on Access to Genetic Resources and Benefit-sharing, Traditional Knowledge under CBD and related issues. Currently, he has been a vice president of Korean Environmental Law Association as well as Korean International Trade Law Association. Internationally, he has been a member of Compliance Committee established under Nagoya Protocol Meeting of Parties, and served as a Co-chair or Asian representative for several expert meeting groups, which includes the Global Multilateral Benefit Sharing Mechanism, the Compliance Mechanism under CBD and Nagoya Protocol, etc. In this regard, his academic articles and reports can be found in many academic journals and government-commissioned studies.

P4.

일시: 2019. 8. 13. (화) 14:30 - 15:20

장소: 제주국제컨벤션센터 3층 한라홀

좌장: 이훈복 (서울여자대학교)



Role of Ecological Restoration on Biological Diversity Conservation

Young D. Choi

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Young D. Choi is a professor of biology and coordinator of Environmental Science Program at Purdue University Northwest in Hammond, Indiana. He received Ph.D. from State University of New York College of Environmental Science and Forestry, Syracuse, New York, M.S. from Southern Illinois University at Edwardsville, Illinois, and B.S. from Yonsei University, South Korea. During the past 29+ years, he has studied ecological restoration of tallgrass prairies, oak-savannas, riparian forests, and other wetlands in the southern coast of Lake Michigan. His research topics include but not limited to vegetation trajectory after restoration, community assembly under ecological restoration, effects of atmospheric nitrogen deposition on plant communities, and assessment of restoration techniques and outcomes. His research has resulted in more than 100 peer-reviewed journal articles, conference papers, book chapters and other technical publications. He has taught numerous courses including biogeography, biostatistics, conservation biology, ecology, environmental science, plant ecology, plant physiology, and wetland ecology. More than 75 undergraduate and graduate students have received research training under his mentorship. Currently, he is an associate editor for Natural Areas Journal and a member of Coastal Advisory Board for the Lake Michigan Coastal Program of Indiana State Department of Natural Resources. He was instrumental for establishing the Midwest-Great Lakes Chapter of The Society for Ecological Restoration, in which he served as a vice-president and a chair of annual meeting committee. He has also served for the Asian Ecology Section of Ecological Society of America as a chair, Sigma Xi - The Scientific Research Society as a president, and the International Congress of Ecology as a program chair.

P5.

일시: 2019. 8. 14. (수) 14:00 - 14:30

장소: 제주국제컨벤션센터 3층 한라홀

좌장: 박기룡 (경남대학교)



새로운 시각으로 열어가야 할 ‘생물다양성의 시대’

현진오

(주)동북아생물다양성연구소

- **주요 학력:** 제주 오현고등학교를 졸업하여 서울대학교와 순천향대학교에서 식물분류학과 보전생물학을 전공하였음.
- **주요 경력:** (주)한국자연정보연구원 및 월간 <사람과 산>의 편집국장 역임하였고, (주)동북아생물다양성연구소 대표이사 및 충남대학교 겸임교수로 재직하면서 보전생물학 분야에서 왕성한 학술 및 사회 활동을 하고 있음.
- **관심 분야:** 한반도 및 동북아시아 멸종위기식물 연구, 한반도 멸종위기종 및 특산식물의 자생지내외 보전 및 복원 연구, 생태 교육, 자연다큐멘터리 제작 등.
- **저서 및 논문:** 바닷가에서 만난 염생식물, 사라져가는 우리꽃, 작지만 대단한 씨앗 등 34편의 전문 및 교양서적을 저술하였고, 한반도 특산식물 목록 등 다수의 논문을 발표하였음.
- **수상 경력:** 2003년 환경부장관 표창, 2011년 대통령 표창.

P6.

일시: 2019. 8. 14. (수) 14:30 - 15:00

장소: 제주국제컨벤션센터 3층 한라홀

좌장: 김철근 (한양대학교)



GSPC 2030, 수목원 · 식물원의 역할과 전망

이유미

국립수목원

- 1962년 서울 출생
- 서울대학교 임학과
- 서울대학교 임학과 석사
- 서울대학교 산림자원학과 박사
- 산림청 임업연구원 임업연구사 및 국립수목원 산림생물조사과장
- 국립수목원 제9대(2014.4-2017.9), 10대(2017.9-현재) 국립수목원장
- 산림청 개청 47년 이래 첫 여성 고위공무원
- 저서: <우리 나무 백가지>, <한국의 야생화>, <광릉 숲에서 보내는 편지> 등 다수