

학생구두발표 I

(7월 6일 (월))

컨퍼런스홀 ABEF (한국어)

13:30-13:45	Na Eun Kim, Hanyang University Regiodivergent and Stereoselective Hydrothiolation of Ynamides under Tunable Reaction Conditions	
13:45-14:00	Yoonji Heo, Chungbuk National University Mechanistic Insights into Structure-Tuned Dopamine Dimers for Enhanced Polydopamine Coating Performance	
14:00-14:15	Yeong Shin Ji, Hanyang University Ionic-Liquid-Promoted Dual Hydrogen-Bond Activation Strategy for the Synthesis of Diverse Fused Uracils	
14:15-14:30	Yeongwoong Lee, Ajou University Solving a 60-Year Bottleneck in Cyclic Allene Chemistry	
14:30-14:45	Chanyoung Jung, Kyungpook National University Photoredox Catalytic Performance of Iodinated Polydopamine	
14:45-15:00	Yumi Kim, Yeungnam University Discovery of a Novel Methyl Isocyanate (MIC) Surrogate	
15:00-15:15	Seung-Mi Choi, Dongguk University Pd-Catalyzed [3+2] Cycloaddition/Ring-Expansion Strategy for the Synthesis of Medium-Sized N-Heterocycles	
15:15-15:30	Yeehwan Kim, Seoul National University Total Synthesis and Biological Evaluation of Exiguamines	

컨퍼런스홀 C (한국어)

13:30-13:45	Chaewoon Jung, Hanyang University Asymmetric Dearomative Spirocyclization of Phenols Based on Silver-Pyridone Bifunctional Catalyst	
13:45-14:00	Dayong Song, Chungbuk National University Study on Chemoselective Synthesis of N,O- or O,O-Acetals via Palladium-Catalyzed Addition of Nucleosides into Alkoxyallenes and Its Application to Sustainable Functional Polymers	
14:00-14:15	Jinho Kim, Hanyang University Harnessing π -Interactions in Boronate Catalysis for Site-Selective Acylation with Highly Reactive Electrophiles	
14:15-14:30	Sung Jun Lim, Ulsan National Institute of Science and Technology (UNIST) Rational Design of Photoredox-Switchable Chalcogen Bonding for High-Contrast Solar Windows	
14:30-14:45	Yuna Song, Seoul National University NHC-CDC Ester Dication: Formation and Exploration of Unique Photoreactivity	
14:45-15:00	Hoyeon Jang, Korea University Molecular Probes toward Blood-Based Alzheimer's Disease Detection	
15:00-15:15	oungrok Lee, KAIST Calcium-Triggered Helix Metamorphosis of a Cyclopentane-Based Oligoamide Foldamer	

컨퍼런스홀 D (한국어)

13:30-13:45	Soo-Ji Choi, Hanyang University Studies toward the Total Synthesis of Cephanolide and Ceforalide via Asymmetric 2-Pyrone Intramolecular Diels-Alder Reaction	
13:45-14:00	Gihyung Jang, POSTECH Synthesis of 3-C-branched furanose glycols via [2,3]-Wittig rearrangement of chiral acetals	

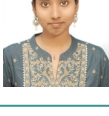
14:00-14:15	Junyoung Moon, Sogang University N-Acyl Benzisothiazolinones (N-Acyl BITs): A Versatile and Robust Scaffold for Acyl Transfer	
14:15-14:30	Joohyun Park, Ajou University Ir(triNHC) catalyzed upcycling of Poly(butylene terephthalate) into biodegradable polymer	
14:30-14:45	Hyo Seong Kim, Dong-A University Visible-Light-Mediated Synthesis of Tetrahydroquinolines via Electron Donor - Acceptor Complexes	
14:45-15:00	Seungho Kim, Kwangwoon University Ligand-Controlled Catalytic Hydroarylation of Allenes for Regioselective and Enantioselective Synthesis of Arylated Alkenes	
15:00-15:15	Yeon Hee Kim, Seoul National University of Science and Technology Cobalt-Catalyzed Alkyne Migratory Hydroboration	
15:15-15:30	Sukhyun Shin, Gachon University Towards a Formal Synthesis of Sinensilactam A	

학생구두발표 II (7월 7일 (화))

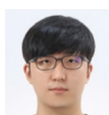
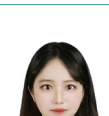
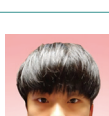
컨퍼런스 ABEF (영어)

09:30-09:45	Gyeongseon Choi, KAIST Photoredox-Catalyzed Chlorosulfamoylation of Alkenes Using Unsubstituted Sulfamoyl Chloride	
09:45-10:00	Soo Young Kim, Seoul National University Stereoconservative Nucleophilic Substitution	
10:00-10:15	Seongrok Heo, KAIST Synthesis of 3-desoxycollinoketone B and its ability to reduce Alzheimer-associated misfolded proteins	
10:15-10:30	Seungdae Park, Sungkyunkwan University PdH-Catalyzed Remote Ritter-Type Hydrofunctionalization of Alkenes via Electrochemical Oxidation	
10:30-10:45	Mardhiyah Hanifah, Pusan National University Visible-Light-Mediated Alkylation of Imines Using Alcohol as A Radical Precursor	
10:45-11:00	Eunbi Kim, Sogang University Acetals Beyond Protecting Groups for Diverse C-C Bond Formation via C-O Bond Activation	
11:00-11:15	Tae Kyung Ko, POSTECH Hydrogen Bond-Promoted C4-Selective Sulfenylation of Anilines via N-S Bond Homolysis	
11:15-11:30	Ekaterina Sokolova, Ajou University Sustainable CO ₂ -based polymers for adhesive applications	
11:30-11:45	Seonghun Kim, Chungnam National University One Precursor, Two Pathways: Metal-Free Ionic and Radical Hydrosulfonylation Using Pyrimidylsulfones	

컨퍼런스 C (영어)

09:30-09:45	Jaehyun You, KAIST Photocatalytic furan-to-pyrrole conversion	
09:45-10:00	Alina Dzhaparova, Seoul National University Acid-Mediated Double Cyclizations for L-Region Expansion of PAHs: Divergent Mechanistic Pathways via Dehydrative Cyclization	
10:00-10:15	Minsoo Kim, KAIST Molecular-level reconstruction of electron-hole recombination from isolated radical ions	
10:15-10:30	Dong Hyeon Kim, Sungkyunkwan University Water-Compatible SuFEx-Active Linchpins for On-DNA Conjugation	
10:30-10:45	Jeong Kyeong Lee, UNIST Photoelectrochemical chemical transformation in dye-sensitized photoelectrochemical cells for lignin valorization	
10:45-11:00	Hyunshin Cho, Korea University DMSO-Ligated Pd(II)-Catalyzed Diastereoselective Oxidative Cyclization of Unactivated Alkenes with Allyl Alcohols for the Synthesis of Oxolanes Derivatives	
11:00-11:15	Yeonjoo Lee, DGIST Regiodivergent Cu-Catalyzed Double Protoborylation of 1,3-Enynes and trans-Monoborylation of (Z)-Aryl-1,3-Enynes	
11:15-11:30	Akash Tambe, Chung-Ang University Visible Light Induced EDA-Mediated Metal-Free Decarboxylative Heck Coupling towards Sustainable Stilbene Synthesis.	
11:30-11:45	Lavanya Basker, Hallym University Hydroxamate-Mediated Self-Assembly of Fe ³⁺ -BTH Complexes for Material-Independent Film Formation and Single-Cell Nanoencapsulation	

컨퍼런스 D (영어)

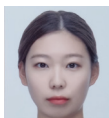
09:30-09:45	Sejin Park, KAIST Photoactive and Photoluminescent First-Row Transition Metal Complexes	
09:45-10:00	Hyunghwan Seo, Seoul National University Trifluoroethoxy Vinyl Sulfoxide: A Versatile Reagent for Divergent Synthesis	
10:00-10:15	Chungwoo Lee, KAIST Discovery and Synthesis of Flueggeosines D-F and Securingine J	
10:15-10:30	Fazsa Islamianti Machmud, Pusan National University Cp ₂ TiCl ₂ -Catalyzed Photochemical Rearrangement of Oxaziridines to Amides	
10:30-10:45	Su Hyun Ji, Sogang University Identification of 5,7-Dihydro-6H-pyrrolo[2,3-d]pyrimidin-6-one Derivatives as ENPP1 Inhibitors for STING Pathway-Mediated Immunotherapy	
10:45-11:00	Mugeon Song, GIST Regio-orthogonal single N-atom insertion into indoles via NO translocation	
11:00-11:15	Hee Jin Han, Korea University Nickel-Catalyzed Skeletal Editing of Benzothiazoles into Quinolines	
11:15-11:30	Nayeong Kim, Ewha Womans University Nickel-Catalyzed Alkynyl-Alkyl Cross-Electrophile Coupling via Ligand-Controlled Sequential Activation	
11:30-11:45	Donghoe Jung, Konkuk University Light-Driven Deaminative Nucleophilic Substitution via C(sp ³)-N bond Cleavage: Nucleophilic Transamination of Alkyl Amines	

학생구두발표 III (7월 7일 (화))

컨퍼런스 ABEF (영어)

13:00-13:15	Geunyoung Choi, KAIST Catalytic Multiple Stereocontrol of Phosphorus and Carbon Stereogenic Centers in a Single Bond-Forming Operation	
13:15-13:30	Hyungwoo Choi, Seoul National University Photoinduced Multicomponent Difluoromethylation of Imines via Iron-Mediated LMCT	
13:30-13:45	Sarah Jang, KAIST Cyclopropanimine-Enabled Redox Control in Copper-Catalyzed Radical Cyclization to 3,3-Disubstituted Oxindoles	
13:45-14:00	Yoonho Lee, Sungkyunkwan University Ni-H Catalyzed Hydroacylation: A General Strategy for Accessing α -Substituted Carbonyl Compounds Using Acyl Fluorides	
14:00-14:15	Ahhyeon Choi, POSTECH Electrocatalytic Intramolecular Hydroamination for the Synthesis of Strained N-Heterocycles	
14:15-14:30	Huijeong Ryu, GIST Harnessing an Adaptive Agostic-to- π Relay for Pd-Catalyzed Asymmetric 1,4- and 1,2-Arylation	
14:30-14:45	Dohyun Kim, UNIST Cell Penetrable Autophagosome-Tethering Supramolecular Peptide Self-Assembly with Autophagy Flux Enhancement for Targeted Degradation	
14:45-15:00	Jiu Jeong, Chonnam National University Solvatomorphic Behavior of a Sequence-defined O, N-Linked Hexaurethane Helix	

컨퍼런스 C (한국어)

13:00-13:15	Junyoung Lee, Hanyang University Discovery of PKM2 Tetramerization Activators as Potential Therapeutics for Autoimmune Diseases	
13:15-13:30	Seung Soo Moon, POSTECH A de novo synthetic method towards cyclic oligosaccharides by way of Pd-catalyzed intramolecular asymmetric hydroalkoxylation of allenes	
13:30-13:45	Han Byeol Kim, Sogang University Electrochemical dearomatization of 2-naphthols for C-O bond formation	
13:45-14:00	Minwoo Park, Chonnam National University Photochemical Amide Synthesis from Nitroarenes	
14:00-14:15	Changha Kim, Institute for Basic Science (IBS) Photocatalytic Reconstruction of Bicyclo[1.1.0]butanes via Strain Release Oxygenation	
14:15-14:30	Dahun Kim, Incheon National University Mn-Catalyzed Aerobic Oxidative [3+2] Cycloaddition reaction using Azo/Hydrazide Redox	
14:30-14:45	Beopbo Kang, University of Ulsan Enzyme-Instructed Self-Assembly of ER-Targeting Peptides for Selective Modulation of Cancer Cell Fate	

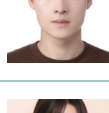
컨퍼런스 D (한국어)

13:00-13:15	Daseop Jo, Hanyang University Tertiary-Site Selective Deoxygenation of Unsymmetrical Diols Enabled by Polarized Silyloxonium Activation	
13:15-13:30	Geon Kang, Chungbuk National University Electroreductive Divergent Hydrogenations of Alkynes to Alkenes or Alkanes	
13:30-13:45	Yonghoon Jin, POSTECH Axially chiral α -boryl-homoallenyl boronic esters as versatile toolbox for accessing centrally and axially chiral molecules	

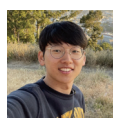
13:45-14:00	Mincheol Park, Kyung Hee University Self-Association-Enabled Homo-EDA Activation for Visible-Light Aerobic Dehydrogenation of N-Heterocycles	
14:00-14:15	Hyunsun Jeong, Ewha Womans University Molecular engineering of IR820 based heavy-atom-free near-infrared photosensitizers for tumor theranostic application	
14:15-14:30	Hyeontaek Nam, DGIST NiH-Catalyzed Enantioconvergent α -Alkenylation of Carbonyl Compounds via Markovnikov Alkyne Hydronickellation	
14:30-14:45	Sun-Gil Park, Chungnam National University Total Synthesis of Pacharin, Bauhiniastatins 1-4, and Bauhinoxepins C-J with Structural Revision of Bauhinoxepin F	
14:45-15:00	Jaeseok Lee, Kangwon National University Discovery of a KLHL41 Ligand for Muscle Specific Protein Degradation	

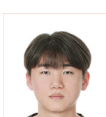
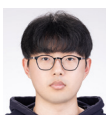
포스터 세션 I (7월 6일 (월))

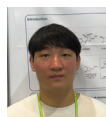
이벤트홀 AB (15:30-17:00)

P-1	Jia Xu, KAIST Electrochemical Strain-Release Amination of Azabicyclo[1.1.0]butanes Using Nitroarenes	
P-2	DongHun Kang, Hanyang University Development of a Fluorogenic Probe for Selective Detection of Cathepsin S	
P-3	Minsang Kang, KAIST Reconstructing N-Terminal Hydrolase Active Sites for Biomimetic Catalysis	
P-4	Taeseok Kang, Yonsei University Mechanistic Investigation of Catalytic Deaminative Cyanation of Primary Amines	
P-5	Byunghyun Ko, Seoul National University Application of bisNHC ligands in radical stabilization	
P-6	Yongjun Kwon, UNIST Chalcogen Atom Substitution in Organic Semiconductors for Developing Efficient and Stable Blue Phosphorescent OLEDs	
P-7	Junhyeok Kwon, UNIST Improving the Conductivity and Stability of Silver Nanowires Through Spontaneous Ligand Exchange for Joule Heating	
P-8	Doyoung Kim, KAIST Photoredox-Mediated Ring Opening of Aminocyclopropanes for the Synthesis of N-Acyl-N,O-Acetal-Linked Pyridines	
P-9	Minseop Kim, DGIST Cu-Catalyzed Stereo- and Regioselective Disilylation and Sequential Silylation/Borylation of CF ₃ -Containing 1,3-Enynes	
P-10	Minji Kim, Ewha Womans University General Approach to α -Branched Amines via Nickel-Catalyzed Alkylation of Imines with Primary, Secondary, and Tertiary Unactivated Alkyl Halides	

P-11	Sungtae Kim, UNIST Rational Design of Dual Atom Doped Graphene via Sonocavitation Strategy: Electronic Modulation for Ambient C-N Coupling	
P-12	Sunghyun Kim, Korea University An Activatable Dexamethasone-Prodrug Strategy to Eradicate Multidrug-Resistant Cancer	
P-13	Seri Kim, POSTECH HFIP-Mediated Metal-Free Synthesis of Tetrahydroisoquinolines	
P-14	Suhyun Kim, KAIST Design and Characterization of Metal-Foldamer Cages	
P-15	Seung Rok Kim, UNIST Cavitation-Induced Mn-O-C Bond Formation in MnO ₂ /Conductive carbon for Binder-free Zn-MnO ₂ Battery	
P-16	Aeyoung Kim, Hanyang University Cathepsin K-Responsive Turn on probe for Real-Time Monitoring of Osteoclast activity	
P-17	Sihyun Kim, Sogang University Synthesis of Redox Polymers Based on Acyl Azide-Functionalized Biimidazole-Osmium Complexes for Glucose Biosensors	
P-18	Ukhyeon Kim, University of Ulsan Visible-Light-Induced Photoreductive Degradation of Fe(III)-Catechol Hydrogel Networks	
P-19	Jeongmin Kim, Sogang University Direct Covalent Conjugation of Glucose Dehydrogenase with Benzisothiazolinone (BIT)-Functionalized Osmium Complexes	
P-20	Jeong An Kim, Seoul National University Pd catalyzed stereospecific spirocyclization	
P-21	Juhee Kim, Chonnam National University Synthesis of Non-Natural Urea Ligands for Biomimetic Organometallic Catalysts	
P-22	Ji-Woo Kim, Kunsan National University Chemoselective Photochemical Debenzylation of Amides	

P-23	Ji Woo Kim, Dongguk University Halogen-Mediated Divergent Intramolecular Hydroamination for the Synthesis of Pyrrolidine derivatives	
P-24	Taewan Kim, KAIST Towards the total synthesis of suffranidine A	
P-25	Tae Hyun Kim, Pukyong National University Light-Driven Redox Modulation of 9,10-Phenanthrenequinone for Amplified Radical-Based Reactive Oxygen Species Production	
P-26	Hangyoung Kim, KAIST Toward the Total Synthesis of Herpotriquinones	
P-27	Hanul Kim, POSTECH Regioselective HAT Mediated Direct Modification of Furanosides	
P-28	JongMin Na, Hanyang University NHC-Catalyzed Base-Controlled Chemodivergent Synthesis of γ - and δ -Lactone-Fused Uracils	
P-29	HeeHo Noh, KAIST Lithium Iodide-Mediated Bisfunctionalization of Azabicyclo[1.1.0]butanes with Two Electrophiles	
P-30	Dahyeon Park, Sogang University A Study on the Use of Hydroborated Polyisobutylene as an Initiator for Radical Polymerization	
P-31	Sangbin Park, KAIST Multistate Phyllantidine-Azobenzene Hybrid Photoswitch with Time-Resolved Orthogonal Controllability	
P-32	SeoWoo Park, Hanyang University Development of N-hetroaromatics-Based PKM2 Activators for Multiple Sclerosis	
P-33	Seungbeom Park, KAIST Synthetic Studies Toward Flueggeosine G	
P-34	Sinyu Park, Kunsan National University Metal-Free Conversion of Non-Activated Amides to Esters	

P-35	Yunseul Park, Kongju National University Synthesis of Protocatechuic acid alkyl Ester Derivatives and Comparative Evaluation of Their Hydrophobicity-Dependent Anti-Inflammatory Activities	
P-36	Jiyeon Park, Korea Research Institute of Chemical Technology Design and synthesis of SARS-CoV-2 3CL protease inhibitors	
P-37	Eunji Baik, Sogang University Condition-Controlled Divergent Synthesis of α -Ketoamides and Amides from Acyl Chlorides via Ni/Photoredox Dual Catalysis	
P-38	Terim Seo, Sungkyunkwan University Lewis acid-catalyzed asymmetric allylation and Mukaiyama aldol reaction of 1,2-dicarbonyl compounds	
P-39	Suyeon Shin, Ewha Womans University Ligand-Controlled Switching of Selectivity in Nickel-Catalyzed Asymmetric Migratory Cross-Electrophile Coupling	
P-40	HyeonOh Shin, UNIST Observation of Excited State-Derived Photoluminescence Decay of Organic Sensitizer to Monitor Its Photo-Induced Charge Transfer Efficiency	
P-41	Eunbyeol Yang, UNIST Harnessing Oxidative Stress and Target Protein Modulation to Overcome Photodynamic Therapy Resistance	
P-42	YeEun Wang, POSTECH Additive-Controlled Regiodivergent C-H sulfenylation of Indoles	
P-43	Deokseon You, Hanyang University Development of fluorescent probes for cathepsin K using reverse design strategies	
P-44	JaeHyeon Yu, Kyung Hee University Regiodivergent Styrene-Nitrone [3+2] Cycloaddition via Preferential Styrene Oxidation under Iron(III) Photoredox Catalysis	
P-45	Gyeonghun Lee, Chung-Ang University Substituent-Guided Routing in Chemical Reaction Networks	
P-46	MinYoung Lee, Chonnam National University Control of Helical Folding Structures in meso-Oligourethanes	

P-47	Seok Beom Lee, Seoul National University Rapid alkene carboheterofunctionalization enabled by Photoredox/RLT Dual Catalysis	
P-48	Subin Lee, Inha University Stoichiometry-Controlled Divergent Synthesis of Pyrazolidine-Fused Tetrahydroquinolines and C3-Functionalized Quinolines via [3+2] Cycloaddition of C,N-Cyclic Azomethine Imines	
P-49	Seung Jun Lee, Hanyang University Aggregation-Induced Emission Properties of β -Aminovinyl Sulfides	
P-50	Yoojin Lee, KAIST Total Synthesis of Herpotrichones and Structure Modification Toward Anti-Neuroinflammatory Activity	
P-51	Yoojin Lee, UNIST Engineering a Photosensitizer for Precision Modulation of Biomolecular Condensates	
P-52	Yoonjung Lee, POSTECH A de novo synthetic study towards lipoarabinomannan	
P-53	JinWon Lee, Sungkyunkwan University Asymmetric SN1 Catalysis of Tertiary Carbenium Ions for Stereoconvergent Construction of All-Carbon Quaternary Stereocenters	
P-54	Hyeongyeong Lee, Ajou University Acid based catalytic strategy to upcycle Polylactic acid: Synthesis of 1,3 dioxolan 4 ones	
P-55	Hosung Lee, Sungkyunkwan University Stereocontrolled Assembly of Tetrahydrofurans via Chiral Oxazaborolidinium Ion-Catalyzed Formal [3+2] Cycloaddition of Allylsilanes and Aryl Glyoxals	
P-56	Sunwoo Im, Hanyang University Ascorbate-Mediated GLUT1 Targeting and Redox Perturbation Enhance Photodynamic Therapy in Cancer	
P-57	Seeun Lim, Kwangwoon University Regioselective Construction of All-Carbon Quaternary Centers via Allene Hydroalumination/Allylation	
P-58	SoHyun Jung, Seoul National University Enantioselective Organocatalytic One Pot Construction of Normorphan Skeleton: Total Synthesis of (+)-Peduncularine	

P-59	Ain Jeong, KAIST Toward the Total Synthesis of Verrucarin A	
P-60	Sungwook Jung, Korea University Elucidating the Luminescence Mechanism of a BN-Embedded Scaffold	
P-61	InYoung Jung, Kyungpook National University On-DNA Synthesis of γ -Ketonitriles for DNA-Encoded Library Construction	
P-62	Jiu Jeong, Chonnam National University Solvatomorphic Behavior of a Sequence-defined O, N-Linked Hexaurethane Helix	
P-63	Mingyu Jo, Pukyong National University Protonation-Activated Thiocarbonylated Coumarin Enables Hypoxia-Tolerant Type I Photodynamic Therapy	
P-64	Hyeongho Jo, University of Ulsan Enhanced Photodegradation of Microplastics by Sulfate Radicals Under Low Oxygen Condition	
P-65	Hoonhwi Cho, Sungkyunkwan University Catalytic C(sp ²)-SuFEx Coupling Enabled by Weakly Coordinating Anion-Based Silylium Lewis Acids	
P-66	Minju Jin, UNIST Reconsidering the Antiaromaticity of Cyclopent[hi]aceanthrylene as an Electron Acceptor	
P-67	Myeonggyun Choi, KAIST Toward the Synthesis of Prismaticomerin	
P-68	Soowan Choi, Ajou University Ir(triNHC)-Catalyzed Waste Polyester Upcycling to α -Hydroxy Acids	
P-69	Yeonju Choi, Sogang University Synthesis of a New BIT-Based FRIPS-MS Tag for Peptide Sequencing	
P-70	Yujin Choi, Sogang University Ni-Catalyzed Cross-Electrophile Coupling of Unstrained Cyclic Ethers and Lactones via in situ Alkyl Iodide Formation	

P-71	EunSol Choi, Kunsan National University Direct Amide Formation from Ester Substrates via C-O Bond Cleavage	
P-72	EunJi Choi, Dongguk University O-Trapping-Enabled Reactivity Switching of Triazole-Derived α -Imino Carbenoids in Rh(II)/Pd(0) Dual Catalysis	
P-73	JaeHyuk Choi, Chungnam National University Stereoselective Synthesis of (E)-Alkenyl Sulfones via Regioselective Epoxide Ring Opening Enabled by In Situ Generated Sulfinates	
P-74	Jiwhan Choi, Ajou University CO ₂ -Derived Polyols as Sustainable Alternatives for Polyurethane Synthesis	
P-75	Sujeong Han, KAIST Divergent Synthesis of (Allo)Securinine & (Allo)Norsecurinine	

포스터 세션 II

(7월 7일 (화))

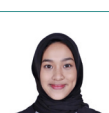
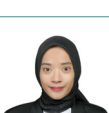
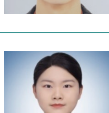
이벤트홀 AB (15:00-16:30)

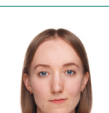
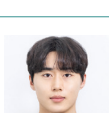
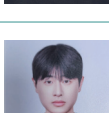
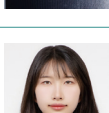
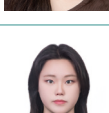
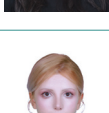
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CHUNGBUK NATIONAL UNIVERSITY

충북대학교 G-LAMP 사업단
미래 에너지 융복합 연구단
미래 에너지, 기초과학에서 답을 찾다
물질·에너지 과학 분야
세계 최고 수준의 거점 연구소로 도약합니다.




사업단 소개


연구분야


주요 활동 및 성과

G-LAMP 사업단은 대학의 연구기반을 강화하고 우수 신진연구인력을 적극 활용하여 공동연구체계를 활성화하기 위해 신설되었습니다.

기초과학 10개 분야 중 물질·에너지과학 분야에 선정되어 총 5년 (24.9.1.~29.8.31.) 동안 연구비 250억 원 내외의 예산을 지원받습니다.

『첨단 기초과학 융합 연구소』를 중심으로 다양한 연구소와의 융·복합 연구를 통해 시너지를 창출하고, 전문연구인력·연구기술·시설장비·인프라 통합을 추진합니다.



ABC (Advanced-Basic-Convergence) 연구소를 중심으로 4대 연구분야를 융합·연계하여 미래 에너지 혁신 연구를 선도합니다.

- 천연수소**
지속가능한 수소에너지 자원 탐사 및 활용 연구
- 이차전지**
차세대 고성능·고안전성 에너지 저장 시스템 개발
- 유무기에너지소자**
고효율·고기능성 유무기 에너지 소자 및 소재 연구
- 생체고분자에너지**
생체고분자를 이용한 에너지 소재 및 바이오 융합 연구

연구인력·연구기술·시설·장비 인프라 통합을 통한 융·복합 시너지 창출

- 국제 재생에너지 및 전기유기합성 심포지엄 개최
- 해외 석학 초청 세미나 및 연구 교류 활성화
- 국내외 공동연구 및 글로벌 네트워크 구축
- 우수 연구성과 창출 및 학술논문 발표 확대



기초과학 × 융복합 연구 × 글로벌 협력
→ 미래 에너지 혁신을 이끄는 연구 플랫폼



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