

Prof. Ho-Chun Song, MD, PhD

Contact

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- Radiopharmaceutical Drug Development for Neurodegenerative Diseases
- Radiation safety and medical applications of nuclear imaging
- Al-driven analysis of multimodal medical data

Projects			
riojooto	Title	Funding	
2013.11 ~ 2018.04	Medical Radiation Safety Research Center Project	Nuclear Safety and Security Commission	
2017.03 ~ 2020.02	Medical Data Analysis Technology Development using Multi-type Complex Data Fusion	Ministry of Science and ICT	
2019.03 ~ 2019.12	Research on Understanding Radiation in Daily Life using STS	Korea Institute of Radiological & Medical Sciences	
2020.06 ~ 2023.05	Regional University Outstanding Scientist Support Program: Al-based Drug Development for Tau Imaging in Alzheimer's Disease Diagnosis	National Research Foundation	
2022.04 ~ 2023.03	Cohort Study on Dementia and Cognitive Impairment in the Elderly	Korea Disease Control and Prevention Agency	
2023.06 ~ 2024.12	Dementia Prevention and Management Research through Community-based Tracking of High-risk Elderly Groups	Korea Disease Control and Prevention Agency	
2018.02 ~ 2024.12	Specialized Project for Al-based Medical Technology Development	Chonnam National University Hospital	



Prof. Jahae Kim, MD, PhD, FANMB

Contact

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- Medical AI, brain imaging, nuclear medicine, PET/CT, dementia PET imaging
- Basic research for brain disease using animal models

Projects					
		Title	Funding		
	2017.04.~2021.03.	Project for enhancement of basic research capacity for MD	National Research Foundation		
	2017.06.~2020.05.	Project of individual basic research	National Research Foundation		
	2020.09.~2021.02.	Project of data construction for artificial intelligence development	National Research Foundation		
	2020.09.~ing	Project of mid-career researcher	National Research Foundation		
	2020.09.~ing	BK21 (Brain Korea) 4 project: in the Department of Al Convergence of CNU graduate school	National Research Foundation		
	2023.07.~ing	Al convergence training center: in the Department of Al Convergence of CNU graduate school	National Research Foundation		
	2024.07.~ing	ICT research center: in the Department of Al Convergence of CNU graduate school	National Research Foundation		



Prof. Sang-Geon Cho, MD, PhD, FANMB



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- Quantitative dynamic/static PET and SPECT image analyses in animal disease models
- Dynamic Radionuclide cardiovascular imaging with compartment modeling

Projects			
Projects	Title	Funding	
2018.12 –2020.11 Evaluation of non-infarct-related arteries using C-11 acetate PET in acute myocardial infarction with multivessel disease		Korean Society of Cardiology	
2020.06 – 2023.02	Optimization of angiotensin receptor-neprilysin inhibitor (ARNI) therapy in heart failure by myocardial sympathetic nerve imaging: preclinical and clinical validations	National Research Foundation, Republic of Korea	
2022.01 – 2022.12	Development of imaging analysis technology for follow-up and prognostic stratification of renal trauma	Chonnam National University Hospital	
2023.09– 2024.08	Molecular imaging of fibroblast activation and AI analyses in cardiovascular diseases	National Research Foundation, Republic of Korea	
2024.04 –2025.03	Multimodal molecular imaging and analyses of peripheral artery disease: preclinical and clinical application	American Heart Association	



Prof. Ki-Seong Park, MD, MS, FANMB



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- Development and validation of Al-driven medical technologies in healthcare
- Integration of AI with nuclear medicine for advanced medicine
- Al-based drug discovery and design for novel therapeutics

Projects					
	Projects	Title	Funding		
	2025.01 ~ing	Development of Retrieval-Augmented Generation (RAG) Technology Based on Multimodal Data Input	Ministry of Science and ICT		
	2020.05 ~ 2024.12	Specialized Project for Al-based Medical Technology Development	Chonnam National University Hospital		
	2024.03 ~ing	Chonnam National University Hospital Academic Research Project (Multi-Year Collaborative)	Chonnam National University Hospital		

MIND - Equipment



MIND Center



Cyclotron

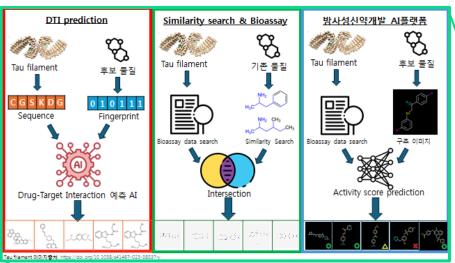


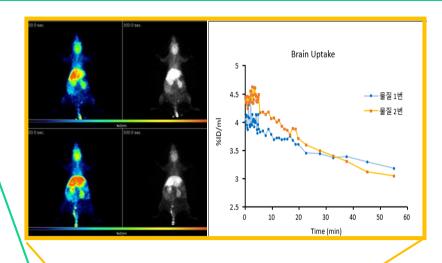
Hot Lab

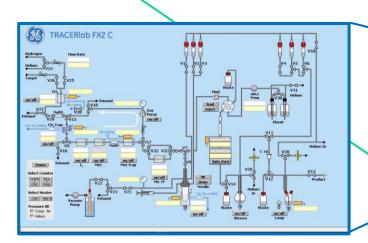


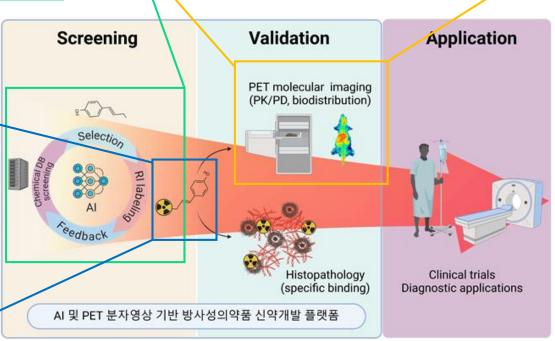
Animal PET/CT

MIND - Research Area

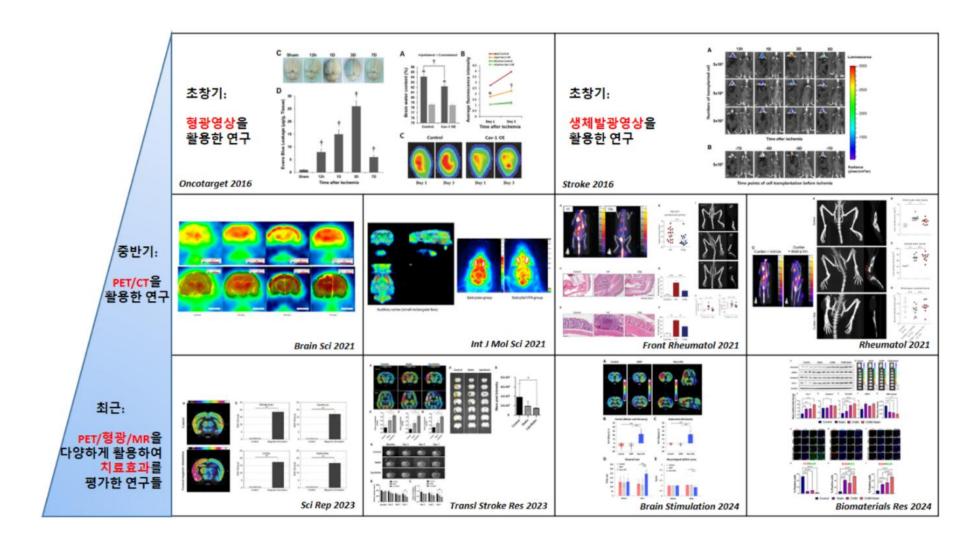




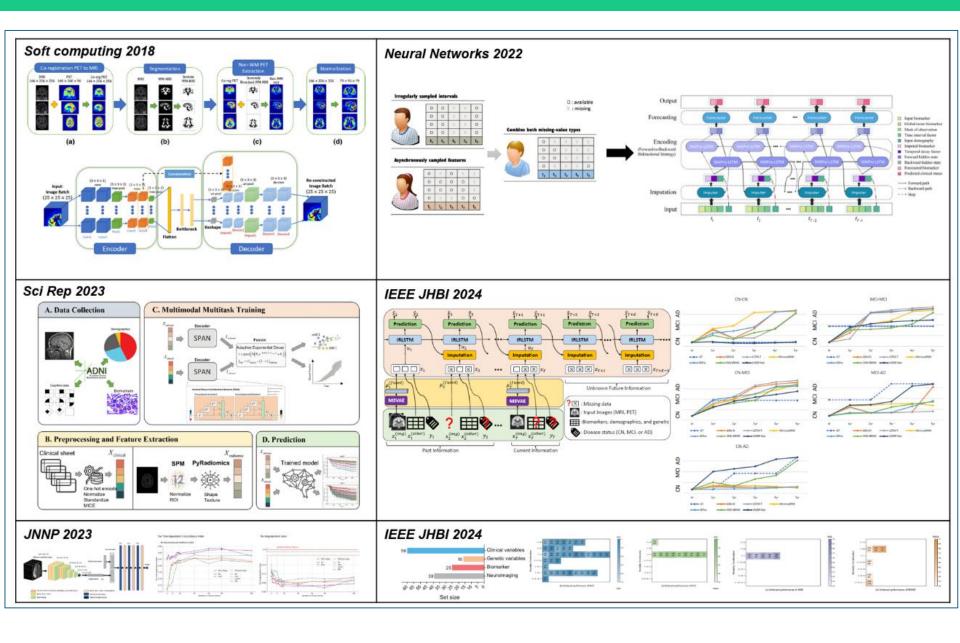




MIND - Research Area



MIND - Research Area



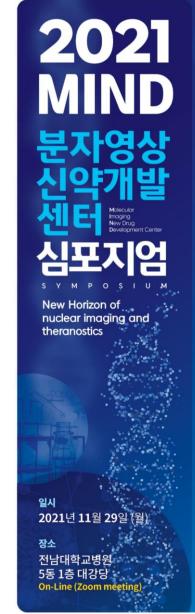
MIND - Symposium



분자영상신약개발센터 개소식 및 기념 심포지엄

	11/			
08:40	09:00	등록		사회: 김순심(전남대학교병원)
09:00	09:20	분자영상신약개발센터 경과보고 및 GMP-certified cyclotron 소개	송호천	전남대학교병원
09:20	09:30	분자영상신약개발센터 개소식 축사	이삼용	전남대학교병원장
09:30	10:00	분자영상신약개발센터 커팅식 및 투어		
10:00	10:20	Coffee Break		사회: 김자혜(전남대학교병원)
10:20	10:25	개회사	송호천	전남대학교병원
10:25	10:30	심포지엄 축사	김병채	전남대학교병원 의생명연구원장
Sessio	on 1, Ra	diopharmaceuticals for Molecular Imaging		
10:30	11:00	Molecular imaging in cyclotron facility		서울대학교병원
11:00	11:30	Drug developments for molecular imaging	오승준	서울아산병원
11:30	12:00	패널토의		원), 김동연(화순전남대학교병원), [구원), 강세령(화순전남대학교병원)
12:00	13:00	Lunch		사회: 조상건(전남대학교병원)
Sessio	on 2. Pr	eclinical Research in Molecular Imaging		
13:00	13:30	New medical RI and its labeling techniques for molecular imaging		한국원자력연구원
13:30	14:00	Cardiovascular research in porcine model		전남대학교병원
14:00	14:15	패널토의		[원], 김현우(전남대학교병원), [원], 유수웅(화순전남대학교병원)
14:15	14:30	Coffee Break and Photo		
Sessio	on 3, Ba	sic and Clinical Research in Molecular Imaging		
14:30	15:00	Molecular thyroid imaging	안병철	경북대학교병원
15:00	15:30	Molecular cardiovascular imaging	공온정	영남대학교병원
15:30	16:00	Molecular brain imaging	오민영	서울아산병원
16:00	16:15	패널토의		교병원), 정인석(전남대학교병원), 원), 정아리(조선대학교병원)
16:15	16:30	Coffee Break		
Sessio	on 4. Ex	perience of PET/CT in Clinical Research		
16:30	16:45	Experience of PET/CT in oncology	권성명	화순전남대학교병원
16:45	17:00	Experience of PET/CT in neurology	김자혜	전남대학교병원
17:00	17:15	Experience of PET/CT in cardiology		전남대학교병원
17:15	17:30	패널토의		원), 김형윤(전남대학교병원), 교병원), 김효신(전남대학교병원)
17:30	18:00	폐회사	송호천	전남대학교병원
18:00		Dinner		

(3) 전남대학교병원



🔕 전남대학교병원 의생명연구원 PROGRAM 08:30-08:50 등록 사회: 김자혜 (전남대학교병원) 08:50-08:55 개회사 송호천 (전남대학교병원) 08:55-09:00 심포지엄 축사 안영근 (전남대학교병원장) 좌장: 송호천 (전남대학교병원) 09:00-09:40 Nuclear imaging and theranostics 성공을 위한 노력 오승준 (서울아산병원) 김정연 (전남대학교병원) 김강빈 (전남대학교병원) Session 1 Clinical implication & 좌장: 김병채 (전남대학교병원) 강도영 (동아대학교병원) 10:00-10:20 F-18 Florbetaben 오민영 (서울아산병원) 최성민 (전남대학교병원) 송민근 (전남대학교병원) 10:40-11:00 온라인 질의 및 패널토의 Clinical implication & Future perspective of Cardiology 좌장: 정명호 (전남대학교병원 11:00-11:20 N-13 Ammonia 이주명 (삼성서울병원) 조상건 (전남대학교병원) 팽진철 (서울대학교병원) 심두선 (전남대학교병원) 이승헌 (전남대학교병원) 12:00-12:20 온라인 질의 및 패널토의 사회: 조상건 (전남대학교병원) 12:20-13:30 Photo and Lunch Session 3 Clinical implication & Future perspective of Prostate cancer 좌장: **강택원** (전남대학교병원) 13:30-13:50 Ga-68 PSMA 유성현 (전남대학교병원) 김자혜 (전남대학교병원) 14:10-14:30 온라인 질의 및 패널토의 Session 4 Clinical implication & Future perspective of Nueroendocrine tumor 좌장: **김현수** (전남대학교병원) 14:30-14:50 Ga-68 DOTATATE 변병현 (한국원자력의학원 김호군 (전남대학교병원) 박선영 (전남대학교병원) Session 5 Clinical implication & Future perspective of HCC 좌장: **박창환** (전남대학교병원) 16:00-16:20 Updates in PET/CT for HCC Session 6 Clinical implication & Future perspective of parathyroid disease 좌장: **정동진** (전남대학교병원)

18:00-18:10 폐회사

MIND - Symposium



Drug Discovery and Development

8:30~8:45	등록	사회: 김자혜 전남대학교병원
8:45~8:55	개회사	송호천 전남대학교병원
8:55~9:00	심포지엄 축사	안영근 전남대학교병원장
Sessio	n 1 Synthetic Biolog	y in Drug Discovery

좌장: 염수진 전남대학교 9:00-9:30 What is Synthetic Biology? Synthetic Biology for the 이대회 한국생명공확연구원 **Development of Living Medicines** 김근호 충남대병원 한연희 전북대병원 조상건 전남대병원

10:20~10:30 Coffee and Break

Current Status and Prospects of Al-based Drug Discovery

좌장: 남호정 GIST 10:30~10:50 AI 신약개발 최신 동향 김우연 KAIST 인공지능 활용 신약개발: 송상옥 스탠다임 신규표적 및 신규물질 발굴 사례 중심으로 전사체학 데이터 기반의 AI 신약개발의 실제 사례 강지훈 온코크로스 11:30-11:50 온라인 질의 및 패널토의 서영덕 충남대병원 박기성 전남대병원 11:50~13:30 Photo and Lunch 사회: 조상건 전남대학교병원 **Applications of Click Chemistry in**

좌장: 임영준 전남대학교

14:00~14:30 Click Bioorthogonal F-18 Labeling 김동욱 안하대학교 Chemistry for PET Molecular Imaging 김강빈 전남대병원 표아영 경상대학교 김자혜 전남대병원 14:30~14:50 온라인 질의 및 패널토의

14:50~15:00 Coffee and Break

The Role of Molecular Imaging in **Drug Discovery**

좌장: 강건욱 서울대학교

15:00~15:30 분자영상을 이용한 신약개발 고속회 원자력의학원에서의 방사성의약품 임일한 원자력병원 신약개발 경험

16:00~16:20 온라인 질의 및 패널토의 강세령 화순전남대병원 유수웅 최순전남대병원 김자혜 전남대학교병원

🚱 전남대학교병원 의생명연구원 16:20~16:30 폐호사

2023 MIND

2023 Moleculer Imaging New drug Development center Symposium

Theme The Present and Future of Nuclear Medicine Therapy

2023 분자영상신약개발센터심포지엄

핵의학 치료의 현재와 미래

(N) 2023. 11. 13(MON) 08:30~17:30 On-Line(Zoom Only)



ZOOM LINK

ID 880 469 5502 PW 123456

8:30-8:45 Registration	Jahae Kim	Chonnam National University Hospital
8:45-8:55 Opening Ceremony	Ho-Chun Song	Chonnam National University Hospital
8:55-9:00 Congratulatory Message	Youngkeun Ahn	President & CEO, Chonnam National University Hospital
Plenary lecture	Ho-Chun Song	Chonnam National University Hospital
9:00-10:00 Immuno-PET in Ab Drug Discovery	Kyung-Han Lee	Samsung Medical Center
10:00-10:20 On-Line Question & Panel discussion	Jahae Kim Sae-Ryung Kang	Chonnam National University Hospital Chonnam National University Hwasun Hospital

9:00-10:00	Immuno-PET in Ab Drug Discovery	Kyung-Han Lee	Samsung Medical Center
10:00-10:20	On-Line Question & Panel discussion	Jahae Kim Sae-Ryung Kang	Chonnam National University Hospital Chonnam National University Hwasun Hospital
10:20-10:30	Break		
	Session 1: Novel imaging tracer	Sunwoo Lee	Chonnam National University
10:30-10:50	Fibroblast Activation Protein– α (FAP): a New Theranostics Target	Yun-Sang Lee	Seoul National University Hospital
10:50-11:10	In vivo imaging of invasive aspergillosis with 18F-fluorodeoxysorbitol positron emission tomography	Dong-Yeon Kim	Gyeongsang National University
11:10-11:30	Novel Imaging Tracer:[18F]FSPG	Seung Jun Oh	Ulsan National University Hospital
11:30-11:50	On-Line Question & Panel discussion	Ayoung Pyo Kangbin Kim Ji Yong Park	Gyeongsang National University Chonnam National University Hospital Seoul National University Dental Research Institute
11:50-14:00	Lunch	Sang-Geon Cho	Chonnam National University Hospital
	Special Talk: Alpha therapy	Keon Wook Kang	Seoul National University Hospital
		VALUE AND DESCRIPTION	And the second s

14:00-14:30 Alpha-particle based therapies in prostate cancer and NETs	Mike Sathekge	University of Pretoria & Steve Biko Academic Hospit
14:30-15:00 Alpha-particle approved treatments and novel therapies	Andrew Scott	Olivia Newton John Cancer Research Institute, Mell
15:00-15:30 Production of alpha radioisotope and MEDICIS	Thierry Stora	CERN-MEDICIS, Switzerland
15:30-15:50 On-Line Question & Panel discussion	Seong Young Kwon Su Woong Yoo Kyungdon Choi	Chonnam National University Hwasun Hospital Chonnam National University Hwasun Hospital CM DATA

15:30-15:50 On-Line Question & Panel discussion		Su Woong Yoo Kyungdon Choi	Chonnam National University Hwasun Hospital CM DATA
15:50-16:00	Break		
	Session 2: TARE	Hwan Jeong Jeong	Jeonbuk National University Hospital
16:00-16:20	The Role of TARE in Hepatocellular Carcinoma Treatment: Current Insights and Future Directions	Sun gyu Lee	Incheon ST. Mary's Hospital
16:20-16:40	Role of TARE in the management of hepatocellular carcinoma in a tertiary hospital in Korea	Dongho Hyun	Samsung Medical Center
16:40-17:00	Y-90 TARE: Where We Are - A Nuclear Medicine Physician's Perspective on Updated Guidelines	Kisoo Pahk	Korea University Anam Hospital
17:00-17:20	On-Line Question & Panel discussion	Yang seok Koh Chan Park	Chonnam National University Hwasun Hospital Chonnam National University Hospital

Chonnam National University Hospital Nuclear Medicine Chonnam National University Hospital Biomedical Recearch Instityte

17:20-17:30 Closing Address

