

Titles			
DAY1	Registration		
	Opening ceremony (08:30~09:30) 60'	Opening, KAST International Symposium / Congratulatory Remarks Appreciation plaque for past organizers Opening Remarks	Myung Chul Lee Dong Soo Lee/Jae Min Jeong Dong Soo Lee/Jae Min Jeong
	Coffee break (09:30~10:00) and Exhibition		
	Keynote 1 (10:00~10:30)30' Chair: Dong Soo Lee	Uncovering Novel Biomarkers for Next Generation Theranostics	Sunghoon Kim
	Scientific Session 1 (10:30~12:00) 90'	Current Status of Theranostics	
	Chairs:	Clinical trials supporting FDA/EMA approval of Lutathera	Tessa Brabander
	Kyung Han Lee	Clinical experiences with PSMA-1007: Current Status	Kambiz Rahbar
	Horacio Amaral	Clinical experiences of ¹⁷⁷ Lu PSMA combined or for other cancers	Markus Essler
		Future of theranostics in Germany	Wolfgang Weber
		Future perspectives of theranostics in USA	Richard Wahl
Lunch (12:00~13:00) 60'			
Poster and Exhibition (13:00~14:00) 60'			
Keynote 2 (14:00~14:30) 30' Chair: Richard Wahl	Practical applications and future prospects of radiotheranostics	Michael Hofman	
Scientific Session 2 (14:30~15:30) 60'	Theranostics of Prostate cancer		
Chairs:	Unmet clinical needs in advanced prostate cancer	Cheol Kwak	
Gi Jeong Cheon	Targeting Non-cullin Neddylation to Combat Neoplastic and Metabolic Diseases	Yang-Sook Chun	
Hee-Seung Bom	Simplest Glu-Urea-Lys (EUK) for PSMA	Yun-Sang Lee	
	Theranostic agents for targeting PSMA: development of ¹⁸ F and alpha emitters	Dae Yoon Chi	
Reports 1 (15:30~16:00) 30'	Current Status of Theranostics in Asia		
Chair:	Theranostics in Korea	Keon Wook Kang	
Keon Wook Kang	Theranostics in Japan	Seigo Kinuya	
	Theranostics in China	Feng Wang	

Coffee break (16:00~16:30) and Exhibition 30'

Scientific Session 3-1 (16:30-18:00) 90'

Chairs:
Frank Rösch
Henry VanBrocklin

Next Generation Theranostics (from Chemists' Point of View) : Novel Targets and Probes

Instant kit-type labelling chemistry for ⁶⁸Ga, ⁴⁴Sc, ¹⁷⁷Lu.
Image Guided Therapy: Development of oncologic and non-oncologic agents
Potential use of Hypoxia and Thymidine Phosphorylase Imaging Probes for Theranostics
Imaging of the third gasotransmitter

Frank Rösch
Henry VanBrocklin
Yuji Kuge
Jae Min Jeong

DAY2

Keynote 3 (08:00~08:30)30'

Chair: Dae Yoon Chi

Radiohybrids: a groundbreaking new theranostics tracer concept

Hans-Jürgen Wester

Scientific Session 3-2 (08:30~09:30) 60'

Chairs:
Baljinder Singh
Cathy Cutler

Next Generation Theranostics (from Chemists' Point of View) : Alpha Emitters

Precision Treatment: Production of Alpha Emitters for Targeted Therapies to Kill Cancer Cells
²⁰³Pb/²¹²Pb Peptide Receptor Targeted Theranostics for Cancer
The Heidelberg Series of Glu-ureido based PSMA tracers: Adaption of chemical structure to clinical indicatio

Cathy Cutler
Michael K. Schultz
Klaus Kopka

Reports 2 (09:30~10:30) 60'

Chairs:
Patricia Bernal Trujillo
Mike Sathekge

Global Practical Progress

Implementation of novel theranostics in Africa
Struggles of theranostics in Latin America
Theranostics efforts between Europe and Asia
Optimization of novel radionuclide therapies in India
PSMA PET in Initial Management of Prostate Cancer; Experience from the Arab World

Mike Sathekge
Patricia Bernal Trujillo
Fani Bozkurt
Partha Choudhury
Akram Al-Ibraheem

Coffee break (10:30~11:00) and Exhibition 30'

Keynote 4 (11:00~11:30)

Chair: Richard Baum

Intelligence-based vs Evidence-based: How AI will shape the future of Theranostics to achieve true personalized medicine

Anthony Chang

Scientific Session 4 (11:30~12:30) 60'

Chairs:
Mark Konijnenberg
Jae Sung Lee

Next Generation Theranostics (from physicists' point of view)

Prospective dosimetry options for alpha-emitter targeted therapy
Voxel-based dosimetry of ¹⁷⁷Lu-IONPs-folate using SPECT/CT imaging of mice
New approaches to fast voxel-based dosimetry
ICRP perspectives for individualized radionuclide therapy

Mark Konijnenberg
Arun Gupta
Jae Sung Lee
Makoto Hosono

TEIN Luncheon Seminar (12:30~14:00) 90'**On-site speaker**

Chairs:
Dong Soo Lee
Teik-Hin Tan (in Kuala Lumpur)

Shamim Momtaz Ferdousi Begum (Bangladesh), Ting Kun Au Yong (Hong Kong), Hendra Budiawan (Indonesia), Noboru Oriuchi (Japan), Kasilingam Lingeswaran (Malaysia), Humayun Bashir (Pakistan), Patricia Bautista (Philippines), David Ng (Singapore), Pham Cam Phuong (Vietnam), Hong Zhang (China)

Participants who connect via TEIN video conferencing from their home country

Sadia Sultana (National Institute of Nuclear Medicine & Allied Science, Bangladesh) Karisma Perdani (Hasan Sadikin Hospital Bandung, Indonesia), Wong Tect Huat (Malaysia), Jefferson Pagsisihan, Apichaya Cliamon, Tawatchai Chaiwatanarat (Thailand) Nguyen Thuan Loi (Vietnam)

Poster and Exhibition (14:00 -14:30) 30'**Keynote 5 (14:30~15:00) 30'**

Chair: Hans Juergen-Wester

Personalized Cancer Therapy

: From Innovation to Implementation using Theranostics and Precision Oncology

Richard Baum

Scientific Session 5-1 (15:00~16:00) 60'

Chairs:
Jung Joon Min
Anna Wu

Next Generation Theranostics (from **convergents' point of view)**

Antibody theranostics
In vitro to in vivo companion diagnostics
Bacteria-based radio-theranostics
Gastrin-Releasing Peptide receptors for theranostics in prostate cancer

Anna Wu
Young Kee Shin
Jung Joon Min
Andrei Iagaru

Coffee break (16:00~16:30) and Exhibition 30'**Scientific Session 5-2 (16:30~17:50) 80'**

Chairs:
Michael Kreissel
Steve Yoon-Ho Cho

Next Generation Theranostics (from **physicians' point of view)**

Theranostics in combination with local therapies
PSMA targeting alpha therapies
Immune cell-based theranostics
Imaging Criteria for Assessing Response to Theranostics – Challenges and Opportunities

Michael Kreissel
Wolfgang Weber
Il Minn
Steve Yoon-Ho Cho

Reports 3 (17:50~18:20) 30'

Chairs:
Keon Wook Kang
Josh Mailman

Standpoints of Patient Advocates

USA experiences
Korean experiences
Japanese experiences

Josh Mailman
Song Hoon Ham
Yoshiyuki Majima

DAY3

Scientific Session 5-3 (08:00~09:20) 80'	Next Generation Theranostics (from innovators' point of view)	
Chairs:	Nanomedicine: 11 Years of European Efforts of the European Foundation for Clinical Nanomedicine	Beat Loeffler
Dong Soo Lee	Introduction to Radionanomedicine	Dong Soo Lee
Beat Loeffler	Radiolabeled nanomaterials	Weibo Cai
	Ceria-based Nanoparticle Therapy against ROS-mediated Injury	Seung-Hoon Lee
	Theranostics of Exosomes on Alzheimer's disease	Ren-Shyan Liu

Coffee break (09:20~9:40) and Exhibition 20'

Read with the Experts (09:40~10:40) 60'	Selected Poster Presentation	
Chair:	In the assessment of biodistribution and metabolism for α -methylation on ^{18}F -labeled tryptophan derivative.	Ho Young Kim
Richard Baum	Enhancing SSTR2-targeted alpha-particle therapy for neuroendocrine tumors with everolimus and histone $\text{d}\alpha$	Dongyoul Lee
Byeong Cheol Ahn	Targeted Alpha-Particle Therapeutics Adaptation of Clinical Routinely produced ^{225}Ac -labeled Radiopharmaceutical	Dirk Müller
	First-in-human study of a novel somatostatin receptor antagonist ^{68}Ga -NODAGA-LM3 for molecular imaging	Jingjing Zhang
	Treatment of Predominantly Lymph Node Metastatic Prostate Cancer with ^{177}Lu -PSMA Radioligand Therapy	Danielle Meyrick
	Chemokine receptor CXCR4-targeted PET/CT with ^{68}Ga -pentixafor shows superiority to ^{18}F -FDG in evaluation	Yaping Luo

Share the experiences (10:40~11:40) 60'	Open discussion: How to implement novel theranostics overcoming difficulties of starting institutions	Panels
Chairs:	Panels from the starting institutions	Wen-Sheng Huang
Gi Jeong Cheon		Kasilingam Lingeswaran
Mike Sathekge		Hendra Budiawan
		Pham Cam Phuong
		Shamim Montaz Ferdousi Begum
		Patricia Bautista
		Humayun Bashir

Keynote 6 (11:40~12:10)30'	Brain Theranostics	Dong Soo Lee
Chair: Edmund Kim		

Closing Remarks (12:10~13:00) 50'	Hand-over Ceremony to the next Congress Organizers	Dong Soo Lee/Jae Min Jeong to Horacio Amaral/ Vasko Kramer
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