

2016 아산국제의학심포지엄

Asan International Medical Symposium 2016

- Innovative Future for Medical Science & Technology -

"Translation and Convergence for Future Medicine"

(미래 의학을 위한 중개 및 융합연구)



2016년 6월 17일 (금)

서울아산병원 동관 6층 대강당 외

Time	Lecture Title	Speaker	Venue
08:20 ~	등록		
09:00 ~ 09:15	개회식	MC : 조유숙 (서울아산병원 연구기획관리부실장)	[대강당]
	개회사	김병식 (서울아산병원 교육부원장)	
	환영사	박성욱 (서울아산병원장)	
	축사	이윤성 (대한의학회장)	
09:15 ~ 15:00	Plenary Session		[대강당]
	Plenary Session I "해외유수 기관의 의료산업화 모델"	Chairperson : 이정신 (서울아산병원 종양내과 교수)	
09:15 ~ 11:30	Lecture 1 : 의료 산업화를 위한 오송첨단의료복합단지 전략	선 경 (오송첨단의료산업진흥재단 이사장)	
	Lecture 2 : 카롤린스카 연구소의 산·학·연 혁신모델	Alexander von Gabain (Karolinska Institute, Sweden)	
	Lecture 3 : The Biopolis Story : 싱가포르 의생명 산업의 창조	Benjamin Seet (A*STAR Biomedical Research Council, Singapore)	
11:30 ~ 12:10	Panel Discussion	Chairperson : 김종재 (서울아산병원 연구원장)	
	선 경 (오송첨단의료산업진흥재단), Alexander von Gabain (Karolinska Institutet), 이정신 (서울아산병원), Benjamin Seet (A*STAR Biomedical Research Council), 정기택 (경희대학교 경영학과)		
12:10 ~ 13:30	Lunch		
	Plenary Session II "의료기술 및 R&D 변화의 최신 동향"	Chairperson : 김청수 (서울아산병원 비뇨기과 교수)	
13:30 ~ 15:00	Lecture 1 : 의료분야에서의 빅데이터 : 임상연구 및 진료를 위한 애널리틱스의 활용	David W. Bates (Harvard University, Brigham and Women's Hospital, USA)	
	Lecture 2 : 합성 항체에서 합성 단백질로	Sachdev Sidhu (University of Toronto, Canada)	
15:00 ~ 15:20	Coffee Break		
15:20 ~ 18:00	Parallel Session		[대강당 외]
	Parallel Session I "의료분야에서의 빅데이터"	Chairperson : 김태원 (서울아산병원 임상의학연구소장)	[대강당]
15:20 ~ 18:00	Lecture 1 : 전자의무기록에 기반한 임상 빅데이터 연구	Alexander Turchin (Harvard University, Brigham and Women's Hospital, USA)	
	Lecture 2 : 의료분야에서의 빅데이터 분석	Tom Lawry (Microsoft Corp., USA)	
	Lecture 3 : 생물기작 기반 암 오믹스 데이터 분석 기법	김 선 (서울대학교 생물정보연구소)	
	Lecture 4 : ABLE 시스템 : 그 경험과 미래	이재호 (서울아산병원 의생명정보학과)	
	Lecture 5 : 빅데이터를 활용한 심혈관 분야의 최신 연구	박덕우 (서울아산병원 심장내과)	
	Panel Discussion	David W. Bates (Harvard University, Brigham and Women's Hospital), Alexander Turchin (Harvard University, Brigham and Women's Hospital), Tom Lawry (Microsoft Corp.), 김 선 (서울대학교), 이재호 (서울아산병원), 박덕우 (서울아산병원)	
	Parallel Session II "의료의 새로운 미래를 여는 융합형 의공학 기술"	Chairperson : 김송철 (서울아산병원 의공학연구소장)	[2 세미나실]
15:20 ~ 18:00	Lecture 1 : 영상유도 중재시술 로봇	서준범 (서울아산병원 영상의학과)	
	Lecture 2 : 동맥 경화증에 대한 기계생물학과 나노의학 - 체학적 접근과 신 치료법	Hanjoong Jo (Georgia Institute of Technology and Emory University, USA)	
	Lecture 3 : 체내 세포자원을 통한 조직재생	James Yoo (Wake Forest Institute for Regenerative Medicine, USA)	
	Lecture 4 : 3D 프린팅 기술과 생물의학적 적용	조동우 (포스텍(POSTECH) 기계공학과)	
	Lecture 5 : 식도스텐트 개발 : 8세대까지의 시행착오	송호영 (서울아산병원 영상의학과)	
	Panel Discussion	Hanjoong Jo (Georgia Institute of Technology and Emory University), James Yoo (Wake Forest Institute for Regenerative Medicine), 조동우 (포스텍), 송호영 (서울아산병원), 서준범 (서울아산병원)	
	Parallel Session III "기초연구에서 치료제의 개발로"	Chairperson : 명승재 (서울아산병원 의생명연구소장)	[소강당]
15:20 ~ 18:00	Lecture 1 : 고속대량 생물학을 위한 합성 항체	Sachdev Sidhu (University of Toronto, Canada)	
	Lecture 2 : 핵산서열을 기반으로 한 진단 및 치료제의 개발	박한오 (주 바이오니아)	
	Lecture 3 : 단백질 의약품 개발의 최신 동향	이소라 (주 애브비)	
	Lecture 4 : 종양 진행에서 L1CAM 단백질의 역할 및 단일클론 항체의 치료제로서의 가능성	홍효정 (강원대학교 시스템면역학과)	
	Lecture 5 : 약물 간 상호작용과 이에 대한 단백질 약물 개발에의 적용	송윤정 (주 사노피 아벤티스 코리아)	
	Lecture 6 : 재조합 단백질의 원핵생물에서의 효과적 생산 및 새로운 단백질 의약품의 개발	최한석 (서울아산병원 생리학교실)	
	Lecture 7 : 식물을 이용한 백신과 항체 생산: 응용 및 전망	고기성 (중앙대학교 의과대학 의학부)	

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Friday 17 June 2016

Asan Medical Center, Seoul, Korea

Time	Lecture Title	Speaker	Venue
08:20 ~	Registration		[Grand Auditorium]
09:00 ~ 09:15	Opening Ceremony Opening Message Welcome Message Congratulatory Message	MC : You Sook Cho (Director, Office for Scientific Planning and Coordination, AMC, Korea) Byungsik Kim (Vice President & Chief Education Officer, AMC, Korea) Seong-Wook Park (President & CEO, AMC, Korea) Yoon-Seong Lee (President, Korean Academy of Medical Sciences, Korea)	
09:15 ~ 15:00	Plenary Session [Korean-English Simultaneous Interpretation]		
	Plenary Session I <i>"Learning from the Pioneering Models of Healthcare Industry"</i>	Chairperson : Jung Shin Lee (Dept of Oncology, AMC, Korea)	
10:00 ~ 11:30	Lecture 1 : Osong Cluster for Medical Industrialization in Korea Lecture 2 : Unlocking the innovation potential of the Karolinska Institute - towards an entrepreneurial University Lecture 3 : The Biopolis Story : Creating Singapore's biomedical industry	Kyung Sun (Osong Medical Innovation Foundation, Korea) Alexander von Gabain (Karolinska Institutet, Sweden) Benjamin Seet (A*STAR Biomedical Research Council, Singapore)	
11:30 ~ 12:10	Panel Discussion Kyung Sun (Osong Medical Innovation Foundation), Alexander von Gabain (Karolinska Institutet), Jung Shin Lee (AMC), Benjamin Seet (A*STAR Biomedical Research Council), KeeTaig Jung (Dept of Business Administration Kyun Hee University)	Chairperson : Chong Jai Kim (Chairman, Asan Institute for Life Sciences & Chief Research Officer, AMC, Korea)	
12:10 ~ 13:30	Lunch		
13:30 ~ 15:00	Plenary Session II <i>"Recent "Wind of Change" in Healthcare Technology"</i>	Chairperson : Choung Soo Kim (Dept of Urology, AMC, Korea)	
	Lecture 1 : Big Data in Health Care: Using Analytics for Research and Clinical Care Lecture 2 : From Synthetic Antibodies to Synthetic Proteins	David W. Bates (Harvard University, Brigham and Women's Hospital, USA) Sachdev Sidhu (University of Toronto, Canada)	
15:00 ~ 15:20	Coffee Break		
15:20 ~ 18:00	Parallel Session		[Grand Auditorium]
	Parallel Session I <i>"Big Data in Healthcare"</i> [English]	Chairperson : Tae Won Kim (Chief Director, Clinical Research Center, AMC, Korea)	
	Lecture 1 : Electronic Medical Record-based Clinical Big Data Research Lecture 2 : Big data in Health - Analytics Lecture 3 : Pathway-based analysis of omics data for cancer research Lecture 4 : The ABLE: The Experience and The Future Lecture 5 : The Latest in Cardiovascular Scientific Research using Big Data Panel Discussion Tom Lawry (Microsoft Corp.), David W. Bates (Harvard University, Brigham and Women's Hospital), Alexander Turchin (Harvard University, Brigham and Women's Hospital), Sun Kim (Seoul National University), Jae ho Lee (AMC), Duk-Woo Park (AMC)	Alexander Turchin (Harvard University, Brigham and Women's Hospital, USA) Tom Lawry (Microsoft Corp., USA) Sun Kim (Dept of Biomedical Informatics, Seoul National University, Korea) Jae ho Lee (Dept of Biomedical Informatics, AMC, Korea) Duk-Woo Park (Dept of Cardiology, AMC, Korea)	
	Parallel Session II <i>"Convergent Biomedical Engineering"</i> [English/Korean]	Chairperson : Song-Cheol Kim (Chief Director, Biomedical Engineering Research Center, AMC, Korea)	[Seminar Room 2]
	Lecture 1 : Introduction of image-guided intervention robot system Lecture 2 : Mechanobiology and Nanomedicine in Atherosclerosis - OMICs approaches and novel therapeutics Lecture 3 : In Situ Tissue Regeneration: An Emerging Concept in Regenerative Medicine Lecture 4 : 3D Printing Technology and its Biomedical Applications Pohang University of Science and Technology(POSTECH), Korea) Lecture 5 : Evolution of Esophageal Stents: 8 Generations of Trial and Error Panel Discussion Hanjoong Jo (Georgia Institute of Technology and Emory University), James Yoo (Wake Forest Institute for Regenerative Medicine), Dong-Woo Cho (POSTECH), Ho Young Song (AMC), Joon Beom Seo (AMC)	Joon Beom Seo (Dept of Radiology, AMC, Korea) Hanjoong Jo (Georgia Institute of Technology, Emory University, USA) James Yoo (Wake Forest Institute for Regenerative Medicine, USA) Dong-Woo Cho (Dept of Mechanical Engineering, Pohang University of Science and Technology, Korea) Ho Young Song (Dept of Radiology, AMC, Korea)	
	Parallel Session III <i>"Bringing Molecules to the Bedside"</i> [Korean]	Chairperson : Seung Jae Myung (Chief Director, Biomedical Research Center, AMC, Korea)	[Auditorium]
	Lecture 1 : Synthetic Antibodies for High-Throughput Biology Lecture 2 : Development of sequence-based diagnostics and therapeutics Lecture 3 : Current development trends on BTP(Biotherapeutic products) Lecture 4 : The role of L1CAM in tumor progression and therapeutic potential of anti-L1CAM monoclonal antibodies Lecture 5 : Therapeutic Protein-Drug Interaction and Its Implication on Protein Drug Development Lecture 6 : Efficient prokaryotic recombinant protein production and development of new protein drugs Lecture 7 : Plant-based vaccine and antibodies: its application and perspectives	Sachdev Sidhu (University of Toronto, Canada) Han-Oh Park (BIONEER, Inc., Korea) Sora Lee (AbbVie, Inc., Korea) Hyo Jeong Hong (Dept of Systems Immunology, Kangwon National University, Korea) Yun-Jeong Song (Sanofi-Aventis Korea Co., Asia-Pacific R&D, Korea) Han S Choe (Dept of Physiology, AMC, Korea) Kisung Ko (College of Medicine, Chung-Ang University, Korea)	

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Friday 17 June 2016, Asan Medical Center, Seoul, Korea

Scientific Program

Venue: East Building 6th Floor

Time	Lecture Title			Venue
08:20 ~	Registration			Grand Auditorium
09:00 ~ 09:15	Opening Remarks			
09:15 ~ 12:10	Plenary Session I "Learning from the Pioneering Models of Healthcare Industry"			
12:10 ~ 13:30	Lunch			
13:30 ~ 15:00	Plenary Session II "Recent "Wind of Change" in Healthcare Technology"			
15:00 ~ 15:20	Coffee Break			
15:20 ~ 18:00	Parallel Session			
	I "Big Data in Healthcare" (Grand Auditorium)	II "Convergent Biomedical Engineering" (Seminar Room 2)	III "Bringing Molecules to the Bedside" (Auditorium)	

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