

The 27th Annual Meeting of the Korean Society of Applied Pharmacology

Human Microbiome: New Horizons in Disease Control and Pharmabiotic Development

**October 11 (Fri.), 2019
Hoam Convention Center
Seoul National University**

Organized by

- **The Korean Society of Applied Pharmacology**
- **Ministry of Food and Drug Safety / National Institute of Food and Drug Safety Evaluation**

Supported by

- **Korea Drug Research Association**



Invitation



2019 The 27th Annual Meeting of the Korean Society of Applied Pharmacology
On behalf of the Organizing Committee, we would like to invite you to participate in the 2019 Annual Meeting of the Korean Society of Applied Pharmacology (KSAP), which will be held at the Hoam Convention Center of Seoul National University on October 11, 2019 with the title “Human Microbiome: New Horizons in Disease Control and Pharmabiotic Development”.

The scientific program includes seven sessions and poster presentations as well. There are 23 excellent invited speakers and more than 100 poster presentations. This conference will discuss about many aspects of the recent progress on the microbiome researches, microbiome as potential drug targets of cancer, immune diseases, etc., and the microbiota under development for several diseases. In separate two sessions, ‘New Approaches for Drug Development’ and “Young Scientist” sessions, nine speakers will introduce their research fields and the recent findings during their Ph.D. degree course or as an early career scientist.

We’re sure that all participants of this conference will have a chance to exchange and discuss a valuable information from outstanding speakers.

Finally, I would like to express my many thanks to all of speakers for sharing their valuable times, and the Ministry of Food and Drug Safety, KFDA, the Korea Drug Research Association, industry officials, and the officers of the KSAP for their help and kind support to prepare this wonderful conference. Your active participation would be greatly appreciated.

Thank you.

July 2019

Jong Hoon Ryu, Ph.D.

President of the Korean Society of Applied Pharmacology

Organizing Committee

Chair

Jong Hoon Ryu

Kyung Hee University

Committee Members

Seikwan Oh

Ewha Womans University

Choong Jae Lee

Chungnam National University

Youngjoo Kwon

Ewha Womans University

Eun-Yi Moon

Sejong University

Soo Kyung Bae

The Catholic University of Korea

Moon-Chang Baek

Kyungpook National University

Hyuk-Jin Cha

Seoul National University

Chang-Ik Choi

Dongguk University

Kwang-Hoon Chun

Gachon University

Ka Young Chung

Sungkyunkwan University

Sun-Young Han

Gyeongsang National University

Kwang Won Jeong

Gachon University

Hyun-Jung Kim

Chung-Ang University

Kwangmi Kim

Dankook University

Sang Seong Kim

Hanyang University

Yong Kee Kim

Sookmyung Women's University

Youngmi Kim

Hanyang University

Choongho Lee

Dongguk University

Hyeyoung Min

Chung-Ang University

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Kyung Hee University

Byoungduck Park

Keimyung University

Jihye Seong

KIST

Wonhee Suh

Chung-Ang University

Youngduk Yang

CHA University

Program

Human Microbiome: New Horizons in Disease Control and Pharmabiotic Development

인간 마이크로바이옴-연계 질환의 이해와 치료제 개발

October 11 (Fri), 2019

Mugunghwa Hall

Time	Program	Chair
08:30-09:00	Registration	
09:00-09:10	Opening Remarks	
Session I : Shed New Light on Human Microbiome		
09:10-09:35	Microbiome therapeutics: Novel tool for chronic metabolic diseases Gwang Pyo Ko (<i>Seoul National University</i>)	Choongho Lee (<i>Dongguk University</i>)
09:35-10:00	Modulation of Host Immunity by Targeting Gut Microbiome Sin-Hyeog Im (<i>POSTECH</i>)	
10:00-10:25	Nutrient sensing by the intestinal epithelium orchestrates mucosal antimicrobial defense Xiaoyu Hu (<i>Tsinghua University, China</i>)	
10:25-10:45	Coffee Break & Poster Presentation	
Session II : Targeting Microbiome in Integrative Control of Human Diseases		
10:45-11:10	Microbiome meets cancer and immunology Hansoo Park (<i>GI ST</i>)	Hee-Sun Kim (<i>Ewha Womans University</i>)
11:10-11:35	Gut microbiota and psychiatric disorders: microbiota-gut-brain axis Dong-Hyun Kim (<i>Kyung Hee University</i>)	
11:35-12:00	Microbiota host Interactions, nutrigenomics & metabolism Sven Pettersson (<i>Nanyang Technological University, Singapore</i>)	
12:00-13:40	Lunch	
Session III : Drug Development for Microbiome-Related Human Diseases		
13:40-14:05	Identification of endogenous substrates of gastrointestinal inflammation-associated transporters, OCTN1/SLC22A4 Yusuke Masuo (<i>Kanazawa University, Japan</i>)	Youngjoo Kwon (<i>Ewha Womans University</i>)
14:05-14:30	Development of Kupffer cell targeting nano-antioxidant as a novel therapeutic strategy for nonalcoholic steatohepatitis Hitoshi Maeda (<i>Kumamoto University, Japan</i>)	
14:30-14:50	Coffee Break & Poster Presentation	
Session IV : Global Trends in Microbiome-Based Therapeutics		
14:50-15:15	Postbiotics: Strategic Approach for Skin Health Tae-Yoon Kim (<i>ILDONG Pharmaceutical Co. Ltd.</i>)	Miwon Son (<i>ViroMed Co., Ltd</i>)
15:15-15:40	Advancing measurement standards for accelerating microbiome research and development Dieter Tourlousse (<i>National Inst. of Advanced Industrial Sci. and Tech, Japan</i>)	
15:40-16:05	Weight management through manipulating gut microbiota with probiotics Yung-Tsung Chen (<i>SYNBIO TECH INC., Taiwan</i>)	
16:05-16:20	Coffee Break	
Session V: Hurdles and Challenges in Microbiome-driven Drug Development		
16:20-16:40	Trends in development of microbiome-based therapeutics Sanghyun Lim (<i>Cell Biotech Co., Ltd.</i>)	Jae-Cheon Yeo (<i>KDRA</i>)
16:40-17:00	Regulatory Considerations for Microbiome-based product Soo Kyung Suh (<i>Natioal Institute of Food and Drug Safety Evaluation/MFDS</i>)	
17:00-17:20	Safety regulation of microbiome-based biodrugs Suenie Park (<i>Hallym University</i>)	
17:20-17:30	Coffee Break	
17:30-17:50	Academic Research Award Lecture	Choong Jae Lee (<i>Chungnam National University</i>)
17:50-18:20	General Assembly	

October 11 (Fri), 2019

Magnolia Hall

Time	Program	Chair
Session VI : New Approaches for Drug Development		
13:40-14:05	Cortical neural network alteration in neurodegenerative disease and development of therapeutical intervention Sang Seong Kim (<i>Hanyang University</i>)	Ka Young Chung (<i>Sungkyunkwan University</i>)
14:05-14:30	Drug discovery for schizophrenia Se Jin Park (<i>Kangwon National University</i>)	
14:30-14:55	Evolutionary screening using phage display technology for biomedical applications Hyo-Eon Jin (<i>Ajou University</i>)	
14:55-15:15	Coffee Break & Poster Presentation	
Session VII : Young Scientist		
15:15-15:35	Suppression of gut dysbiosis by probiotic alleviates cognitive decline in memory impaired mice Kyung-Eon Lee (<i>Kyung Hee University</i>)	Hyun-Jung Kim (<i>Chung-Ang University</i>)
15:35-15:55	Sphingosine 1-phosphate receptors as pathogenic factors in focal cerebral ischemia Bhakta Prasad Gaire (<i>Gachon University</i>)	
15:55-16:15	Neuropharmacological actions of ginger and its compounds in neurological diseases Jin Gyu Choi (<i>Kyung Hee University</i>)	
16:15-16:30	Coffee Break	
16:30-16:50	Role of EMP2 in metastatic breast cancer: EMP2 knockout mice study Mi Kyung Park (<i>National Cancer Center</i>)	Kwang-Hoon Chun (<i>Gachon University</i>)
16:50-17:10	The Role of calpain 2 in triple negative breast cancer cells Kyung-Hwa Jeon (<i>Kyung-Hwa Jeon</i>)	
17:10-17:30	Computational drug repositioning identifies bortezomib as a novel metastatic inhibitor of lung cancer Ok-Seon Kwon (<i>Seoul National University</i>)	
17:30	Closing Remarks	

Poster Presentation

호암교수회관 컨벤션센터 1층 (동백홀, 수련홀) 10:45-11:00, 15:30-15:45

사전등록 및 초록접수 안내

사전등록

- 사전등록 기간: 2019년 7월 29일 (월) - 9월 20일 (금)
- 사전등록 안내
 1. 사전등록은 학술대회 홈페이지(http://www.ksap.or.kr/abstract/2019_fall/)를 이용해 주시기 바랍니다.
- 카드결제, 계좌이체 가능
 2. 사전등록 후 등록비 납입이 확인되면 등록비 결제 확인 메일이 발송됩니다.
 3. 초록(포스터) 제출은 사전등록을 완료한 후 가능합니다.
- 사전등록 결제방법
 1. (개인, 법인, 연구비)카드결제 시 결제할 카드의 공인인증서가 저장된 컴퓨터에서 진행하시기 바랍니다.
 2. 카드 결제는 즉시 완료되며, 계좌이체의 경우 보통 입금 후 익일, 주말 이체 건은 월요일 오전에 완료됩니다.
 3. 유선을 통한 신용카드 수기거래 불가합니다. *사무국에 방문하여 카드결제 가능 (유선 연락 후 방문)
 4. 계좌이체 입금자명과 사전등록자명이 다를 경우 비고란에 입력하여 주시기 바랍니다.
 5. 계좌이체 신청 후 사전등록 기간내에 입금이 확인되지 않을 경우 사전등록 내역이 취소되며, 사전등록 기간 후에는 학술대회 현장에서 현장등록으로 참여하실 수 있습니다.
 6. 계산서 영수증이 필요하신 경우 사업자등록증을 메일 (ksap92@hanmail.net)로 발송해 주시면 발행해 드립니다.
(계좌이체로 신청한 경우에만 발급가능)

등록비 안내

구분		사전등록	현장등록	비고
회원	일반	90,000원	120,000원	회원: 종신회원 및 2019년 연회비 납부자
	학생	50,000원	60,000원	
비회원	일반	140,000원	170,000원	비회원 등록시 연회비와 함께 결제됨 학생: 1만원 / 일반: 5만원
	학생	60,000원	70,000원	

※ 결제방법을 '계좌이체'로 신청하신 경우 사전등록 마감일인 9월 20일 (금)까지 아래 계좌로 입금하셔야 사전등록 처리 됩니다.

계좌이체 입금계좌: 수협은행, 1010-1181-5018 예금주: (사)한국응용약물학회

초록접수

- 초록접수 기간: 2019년 7월 29일 (월) - 9월 6일 (금) 오후 5시 까지
- 초록접수 방법 : www.ksap.or.kr/abstract에 접속 후 초록접수 페이지 내용 작성 및 제출
- 초록 발표일시: 2019년 10월 11일 (금), 10:45~11:00 & 15:30~15:45
- 저자 중 최소 1인은 사전등록이 필수이며, 포스터 스탠딩 시간 동안 대기하여 질문과 토의에 응하셔야 합니다.
- 포스터 초록 출력사이즈: 가로 100cmx세로120cm로 출력후 준비해 오셔야 합니다.
- 총회에서 우수포스터 시상 (상장 및 상금 수여)이 진행 되오니 많은 참여 바랍니다.

서울대학교 호암교수회관 컨벤션센터



지하철

- 2호선 낙성대역(4번출구) → GS주유소 → [장블랑제리]제과점 앞에서 마을버스 [관악02번] 승차 → 호암교수회관 하차
*마을버스 [관악02번]은 2~3분 간격으로 운행됩니다.
*마을버스 운행 시간 (낙성대역 출발 기준) - 첫차 06:00 / 막차 00:15

버스

- 간선버스: 461, 641, 643, 5413, 5424, 5520, 5524, 5528 이용
낙성대하차 → GS주유소 → [장블랑제리]제과점 앞에서 마을버스 [관악02번] 승차 → 호암교수회관 하차
- 공항 리무진 버스
 - 1) 리무진 No.6017(인천공항 Gate 6B탑승) → 호암교수회관 직행 1시간 20분(80분)
 - 2) 리무진 No.6003(인천공항 Gate 12B탑승) → 서울대학교 정문 → 택시 이용 → 호암교수회관

승용차

- 남부순환도로에서 낙성대(이정표:서울대후문) 방향으로 좌.우회전 하여 1.5km 직진하여 좌측 위치
- 내비게이션 이용시 입력주소: 서울시 관악구 낙성대동(구주소: 봉천동) 239-1

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