

## © Program

09:00-	Registration		
	<b>Channel 1</b>	<b>Channel 2</b>	<b>Channel 3</b>
09:00 -10:10	<b>English Oral Presentation (Graduate Students) I<sup>a)</sup></b> Chair: So Young Bu (Daegu Univ.)	<b>Invited Young Scientists Research Presentations I<sup>1)</sup></b> Chair: Yoon Jung Yang (Dongduk Women's Univ.), Kijoon Kim (Sookmyung Women's Univ.)	<b>Invited Young Scientists Research Presentations II<sup>2)</sup></b> Chair: Ji-Myung Kim (Shinhan Univ.), Sohyun Park (Hallym Univ.)
	<b>'Herbalife Nutrition' Young Scientist Award</b>		
10:10 -10:20	Break		
10:20 -10:40	Opening Opening address: Young-Hee Kang (President of KNS, Hallym Univ.) Congratulatory speech Moderator: Kyung-Ah Kim (Secretary Scientific Affairs of KNS, Chungnam Nat'l Univ.)		
10:40 -11:20	<b>Plenary Lecture I</b> Microbiome and metabolic disease Karine Clément (University Pierre and Marie Curie, France) Chair: Yangha Kim (Ewha Womans Univ.)		
11:20 -12:00	<b>Plenary Lecture II</b> Nutrition and the gut microbiome: Whose diet is it? <i>Interrogating diet-microbiome interactions in human feeding studies</i> Johanna Lampe (Fred Hutchinson Cancer Research Center, USA) Chair: Myoungsook Lee (President-elect of KNS, Sungshin Women's Univ.)		
12:00 -12:40	<b>English Oral Presentation (Graduate Students) II<sup>b)</sup></b> Chair: Eunju Park (Kyungnam Univ.), Yoo-Kyong Park (Kyunghee Univ.)	<b>Career Seminar for Graduate Students</b> Chair: Jayong Chung (Kyung Hee Univ.) Scientific officer at Ministry of Food and Drug Safety – What do we do? Hui-Seung Kang (National Institute of Food and Drug Safety Evaluation)	<b>General Assembly (Closed Meeting)</b>
12:40 -13:40	Lunch		
	<b>Session 1 Special Lectures</b> Chair: Sung Nim Han (Seoul Nat'l Univ.)	<b>Session 2 Precision nutrition and the microbiome</b> Chair: Jung Eun Lee (Seoul Nat'l Univ.), Jin-Ah Cho (Chungnam Nat'l Univ.)	<b>Session 3 Gut microbiome associated diseases</b> Chair: Yunkyoung Lee (Jeju Nat'l Univ.), Sang Gil Lee (Pukyong Nat'l Univ.)
13:40 -14:10	Dietary dilemmas in fats and cardiovascular risk Julie Lovegrove (President of The Nutrition Society, UK, Univ. of Reading, UK)	Characteristics of Korean gut microbiome revealed by next-generation sequencing analysis Young-do Nam (Korea Food Research Institute)	Microbiome and fat liver diseases GwangPyo Ko (Seoul Nat'l Univ.)
14:10 -14:40	Bifidobacterial commensals colonize the infant gut microbiome to metabolize human milk oligosaccharides and non-protein nitrogen David A. Sela (Univ. of Massachusetts Amherst, USA)	Nutritional and metabolic characteristics of Korean gut microbiome Ji-Hee Shin (Korea Food Research Institute)	Correlation of attention deficit hyperactivity disorder with gut microbiota according to dietary intake of Korean elementary school children Kyoung-Sik Han (Sahmyook Univ.)
14:40 -15:10	Vitamins for the gut microbiome Robert E. Steinert (DSM Nutritional Products, Switzerland)	Evaluation of anticancer effects and microbiome study of probiotics and synbiotics in in vivo animal and human models Ju-Hoon Lee (Seoul Nat'l Univ.)	Anti-obesity and anti-inflammatory effects of seaweed associated with modulation of gut microbiota Tatsuya Unno (Jeju Nat'l Univ.)
15:10 -15:30	Break		
	<b>Session 4 Korean diet and the human gut microbiome</b> Chair: Jeong-Sook Choe (National Institute of Agricultural Sciences), Dong-Mi Shin (Seoul Nat'l Univ.)	<b>Session 5 Nutritional application in skin and oral microbiome</b> Chair: Eunmi Park (Hannam Univ.), Jihye Kim (Kyung Hee Univ.)	<b>Session 6 Analysis and application of microbiome research</b> Chair: Eunjung Kim (Daegu Catholic Univ.), Jung-Mi Yun (Chonnam Nat'l Univ.)
15:30 -16:00	Habitual diet and gut microbiota in Korean adults Dong-Mi Shin (Seoul Nat'l Univ.)	Study on the Role of Human Skin Microbiome Dong-Geol Lee (COSMAX BTI)	Microbiome research trend using AI Yongju Ahn (Theragen Etx)
16:00 -16:30	Diet, physical activity, and gut microbiota in Korean adults Hwayoung Noh (INSERM & IARC-WHO, France)	Oral microbiota-epithelium crosstalk regulates local and distal carcinogenesis Na-Young Song (Yonsei Univ.)	Gut microbiome analysis technique and probiotics safety Woori Kwak (Hoonhyun)
16:30 -17:00	Experimental considerations on designing a human microbiome study Sangnam Oh (Jeonju Univ.)	Impact of vitamin D on the oral microbiome Eunmi Park (Hannam Univ.)	Plan for food industry expansion with microbiome Sookjin Lee (Macrogen)
17:00 -17:30	Moderator: Jayong Chung (Secretary Scientific Affairs of KNS, Kyung Hee Univ.) <b>Award Ceremony &amp; Closing</b>		

※ The schedule may be subject to change.

**a) English Oral Presentation (Graduate Students) I**

1	Identifying interactions between dietary sodium, potassium ratios, and FGF5 rs16998073 variants and their associated risk for hypertension in Korean adults Hyeyun Jeong (Inha Univ.)
2	Fraxetin suppresses proliferation and induces cell cycle arrest by regulating intracellular signaling pathways in colon cancer cells Minkyong Lee (Kookmin Univ.)
3	Association between fiber intake and prognosis of amyotrophic lateral sclerosis during 5-year follow-up Haelim Yu (Hanyang Univ.)
4	Validity of ActiGraph prediction equations for estimating energy expenditure in adults Justice Otoo Fenyi (Gangneung-Wonju Nat'l Univ.)
5	The effect of <i>Gochujang</i> inflammation in DSS-induced colitis model in rats Patience Mahoro (Jeonbuk Nat'l Univ.)
6	Ocean healing and <i>Undaria pinnatifida</i> intake affect amino acid and fatty acid metabolism Hyunju Yun (Chonnam Nat'l Univ.)
7	Duration of internet use and dietary patterns in Korean adolescents DoHyun Byun (Korea Univ.)
8	A novel role of a lipid species, 1-deoxysphinganine, in the development of skin inflammation Sungeun Kim (Hallym Univ.)

**b) English Oral Presentation (Graduate Students) II**

1	Eucalyptol inhibits amyloid- $\beta$ -induced barrier dysfunction in glucose-exposed retinal pigment epithelial cells and diabetic eyes Dong Yeon Kim (Hallym Univ.)
2	Differential response of the antioxidant system to oxidative stress in single and repeated supplementation of <i>Bacillus amyloliquefaciens</i> GF424 SOD Yea-eun Nam (Ewha Womans Univ.)
3	ENT1-mediated effects of adenosine derivative compounds on cell proliferation of ovarian cancer So Young Yoon (Ewha Womans Univ.)
4	The structural analysis of polysaccharide isolation from <i>Laminara japonica</i> and its immunomodulatory effects in RAW 264.7 macrophage cells Jiamei Cui (Jeju Nat'l Univ.)
5	The natural compound, rottlerin, enhances fat utilization by lipolysis and thermogenesis in diet-induced obesity mice Hyun Kyung Kim (Hanyang Univ.)

**1) Invited Young Scientists Research Presentations I**

9:00~9:15	Ellagic acid prevents binge alcohol-induced gut leakiness and hepatic damage through modulating gut microbiota Young-Eun Cho (Andong Nat'l Univ.)
9:15~9:30	Pharmacokinetics, gut microbiota modulation and anti-inflammatory activities of mango ( <i>Mangifera Indica</i> L.) consumption in lean and obese individuals Hyemee Kim (Pusan Nat'l Univ.)
9:30~9:45	The interaction between dietary patterns and gastric microbiome in the risk of gastric cancer Madhawa Naranjan Gunathilake (Graduate School of Cancer Science and Policy)
9:45~10:00	2'-Fucosyllactose supplementation improves gut-brain signaling and obese phenotype, and changes the gut microbiota in high fat-fed mice Sunhye Lee (Sun Moon Univ.)

**2) Invited Young Scientists Research Presentations II**

9:00~9:15	Health impact and cost-effective of volume, tiered, and absolute sugar content sugar-sweetened beverage tax policies in the United States: a microsimulation study Yujin Lee (Myonggi Univ.)
9:15~9:30	Discovery of nutraceuticals in folate and iron metabolisms Minhye Shin (Seoul Nat'l Univ.)
9:30~9:45	Blockade of high glucose-induced glomerular fibrosis by tangeretin through inducing autophagy Min Kyung Kang (Hallym Univ.)
9:45~10:00	p-Coumaric acid attenuates the hepatic steatosis and inflammation with mitochondrial activation in vitro and in vivo Inhae Kang (Jeju Nat'l Univ.)