

A3 foresight meeting in BUSAN

The mechanism of cellular senescence in aging and chronic diseases:
exploration of senescence biomarkers and target molecules for therapeutic
potential



Date: May 29-31, 2024 Venue: Grand Josun Hotel in BUSAN, Korea

Presentations

Plenary Lectures (30 ~ 40 min talk + 10 min discussion)

Talks (15 min talk + 5 min discussion)

Flash Talks (5 min talk)

Please hand your presentation data (USB or laptop) to the staff before the session.

Access / Transportation

[by City Limousin Bus]

AIRPORT

From 07:15 to 21:40 (every 30 minutes)

Gimhae Airport Domestic Arrival → Daenam Intersection → SK networks → Centum City Station → BEXCO → Marina → Hanwha Resort → Hyundai Hyperion three way intersection → Westin Chosun Busan → Haeundae Grand Hotel → Grand Josun Busan

From 06:45 to 21:45 (every 25 minutes)

Gimhae Airport International Arrival → Domestic Arrival → Daeyeon Beach Apt. → Haeundae Centum hotel → BEXCO → Yangun High School → Daedong Shopping Complex → Dongbu Apt. → Buheung High School, Haeundae Baek Hospital → Jangsan Station → Grand Josun Busan

[by Subway]



Welcome Reception (May, 29th) / Networking dinner (May, 30th)

Dinner on the evening of May 29th will be provided at Seonchang Hoetjip (선창횃집), a seafood restaurant located a 20-minute walk from the Grand Josun Hotel.

The address for Seonchang Hoetjip is: 67 Dalmaji-gil 62beon-gil, Haeundae-gu, Busan, South Korea

Dinner on the evening of May 30th will be at Don Blanc (돈블랑), a Korean BBQ restaurant located a 15-minute walk from the Grand Josun Hotel.

The address for Don Blanc is: 28 Dalmaji-gil 62beon-gil, Haeundae-gu, Busan, South Korea

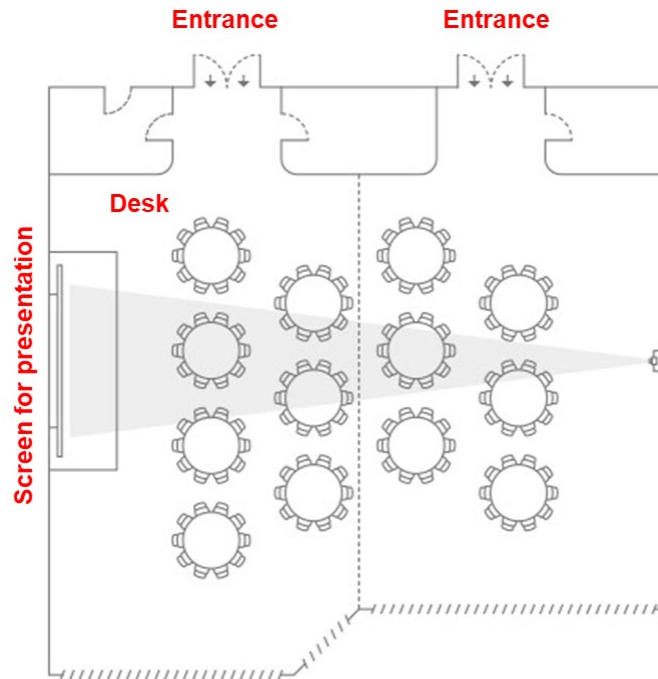
After the conference, the staff will guide you to the dinner venues.

The QR codes for the networking dinner venue, which are linked to Google Maps, are posted on page 3.

Conference Room and Lunch

The meeting program will be held in **the Ballroom on the 5th floor of the Grand Josun Hotel in Busan.**

Lunch will be provided in the conference room on May 30th.



Flash Talks

1. 5-minute presentation, no Q&A session.
 - To keep the session on schedule, please have the next two presenters wait in the front row. Presentations will proceed in the order listed on page 13.
2. Evaluation (Audience Evaluation)
 - Please attach the sticker found on the back of your name tag next to the presenter's name on the board at the back of the conference hall by the evening of May 30th.
3. Awards will be presented at the end of the conference (12:00 PM on the 31st).

Dinner venue location QR code:



Seonchang Hoetjip

Address: 67 Dalmaji-gil 62beon-gil,
Haeundae-gu, Busan



Don Blanc

Address: 28 Dalmaji-gil 62beon-gil,
Haeundae-gu, Busan

Time Table

May 29th (Wednesday)

Venue	Grand Josun Hotel in Busan
Time	Program
16:00 – 17:00	Registration
17:00 – 17:10	Opening remarks Jaehawn Song (Yonsei University, Korea)
Keynote Lecture Chair : Jaehawn Song	
17:10 – 18:00	A Journey of 30 Years with Telomerase in Aging and Cancer Han-Woong Lee (Yonsei University and Gemcro, Inc, Korea)
18:00 –	Welcome Reception (@ Seonchang Hoetjip)

May 30th (Thursday)

Venue	Grand Josun Hotel in Busan
Time	Program
Session I. Senescence and Chronic disease Chair : Tohru Ishitani	
10:30 – 10:50	The mechanism of cellular senescence in aging and chronic diseases: exploration of senescence biomarkers and target molecules for therapeutic potential Mei Tian (Fudan University, China)
10:50 – 11:10	PET imaging for TSPO in liver diseases Ming-Rong Zhang (National Institutes for Quantum Science and Technology, Japan)
11:10 – 11:40	Coffee break
Session II. Senescence and Cancer Chair : Mei Tian	
11:40 – 12:00	Cellular Senescence and Tumor-associated Macrophages in Human and Mouse Glioblastomas Bin Ji (Fudan University, China)
12:00 – 12:20	²¹¹ At-AITM reduces mGluR1 and induces senescence to elicit lasting anti-tumor efficacy in multiple cancers Lin Xie (National Institutes for Quantum Science and Technology, Japan)

12:20 – 12:40	CHIP enzyme: a key player in suppressing the development of metabolic syndromes Jaehawn Song (Yonsei University, Korea)
12:40 – 13:40	Lunch (Provided in the conference room)
Young Scientist Session Chair : Chuna Kim	
13:40 – 15:20	Flash talks (The presentation order can be found on page 13)
15:20 – 15:40	Coffee break
Session III. Aging-associated changes Chair : Dongryeol Ryu	
15:40 – 16:00	Human PBMC scRNA-seq-based aging clocks reveal single-cell aging hallmark and super longevity Jiawei Chen (Peking University, China)
16:00 – 16:20	Construction of mouse aging proteomic atlas and clarification of the features of age-related post-transcriptional dysregulation Masaki Takasugi (Osaka Metropolitan University Graduate School of Medicine, Japan)
16:20 – 16:40	Ribonuclease κ extends lifespan by cleaving age-dependently accumulating circular RNAs associated with abnormal stress granules Sieun Kim KAIST, Korea
16:40 – 17:00	Coffee break
Session IV. Development and Aging Chair : Hyuk Wan Ko	
17:00 – 17:20	Single Local Delivery of NECA Depots Ameliorates Myocardial Infarction-Induced Cardiac Dysfunction via AMPK activation Wei Shibo (GIST, Korea)
17:20 – 17:40	Restoration of regenerative potential in mouse retina Jin Woo Kim (KAIST, Korea)
17:40 – 18:00	3D In Situ Seq Takuya Yamamoto (Kyoto University, Japan)
18:00 –	Networking Dinner (@ Don Blanc)

May 31th (Friday)

Venue	Grand Josun Hotel in Busan	
Time	Program	
Session V. Multi-organ crosstalk in aging		
Chair : Masaki Takasugi		
09:30 – 09:50	Unveiling the Age-Related Multi-Organ Crosstalk Network: Insights into Complex Interactions and Regulatory Mechanisms during Aging Chengyan Wang (Fudan University, China)	
09:50 – 10:10	Sex-dependent regulation of vertebrate somatic growth and aging by germ cells Tohru Ishitani (Osaka University, Japan)	
10:10 – 10:30	Healthy ageing: Finding Nectar Juewon Kim (Konkuk University, Korea)	
10:30 – 11:00	Coffee break	
Session VI. Senescence heterogeneity		
Chair : Juewon Kim		
11:00 – 11:20	Single Cell Senescence Identification Reveals Senescence Heterogeneity, Trajectory and Modulators Wanyu Tao (Peking University, China)	
11:20 – 11:40	Implication of T cell senescence in the progression of diabetes and metabolic liver disease Hyon-Seung Yi (Chungnam National University Hospital, Korea)	
11:40 – 12:00	Bacterial induction of B-cell senescence promotes age-related changes in the gut microbiota Shimpei Kawamoto (Osaka University, Japan)	
Flash Talk Awards and Closing		
Jaehawn Song (Yonsei University, Korea)		