| Date       | Time          | Location                | Special Lecture Number | Chair                           | Topic                                                                 | Speaker                                      | Institution                                                                 |
|------------|---------------|-------------------------|------------------------|---------------------------------|----------------------------------------------------------------------|---------------------------------------------|
| October 2  | 14:50-15:40   | Hall 1 (Shirotori Hall, 1F, Bldg. 4) | JASSO • AOCO Special Lecture 1 | Yasuhiko Minokoshi          | Molecular architecture of the circadian clock in mammals             | Joseph S. Takahashi                        | Howard Hughes Medical Institute, Department of Neuroscience, University of Texas Southwestern Medical Center, USA |
|            |               |                         |                        |                                 | Relay to Hall 8 (International Conference Room, 3F, Bldg. 3)        |                                             |                                                                               |
| October 2  | 15:40-16:30   | Hall 1 (Shirotori Hall, 1F, Bldg. 4) | JASSO • AOCO Special Lecture 2 | Masatomo Mori                 | Deciphering neural circuits that control appetite                    | Richard D. Palmiter                        | Howard Hughes Medical Institute and Department of Biochemistry, University of Washington, USA |
|            |               |                         |                        |                                 | Relay to Hall 8 (International Conference Room, 3F, Bldg. 3)        |                                             |                                                                               |
| October 3  | 10:50-11:40   | Hall 1 (Shirotori Hall, 1F, Bldg. 4) | JASSO • AOCO Special Lecture 3 | Kauzuwa Nakao                 | Bariatric surgery: It’s not what you think it is. Molecular Targets for the effects of bariatric surgery on behavior and metabolism | Randy J. Seeley                            | Department of Surgery, University of Michigan, USA                            |
|            |               |                         |                        |                                 | Relay to Hall 8 (International Conference Room, 3F, Bldg. 3)        |                                             |                                                                               |
| October 4  | 11:00-11:50   | Hall 8 (International Conference Room, 3F, Bldg. 3) | JASSO • AOCO Special Lecture 4 | Masato Kasuga                 | Prevention of global obesity epidemic: From science to policy         | Frank B. Hu                                | Department of Nutrition and Epidemiology, Harvard T.H. Chan School of Public Health, USA |
|            |               |                         |                        |                                 | Relay to Hall 8 (International Conference Room, 3F, Bldg. 3)        |                                             | Department of Medicine, Harvard Medical School, USA                           |
October 2 (Fri.) 12:00–13:00  Room 437 (3F, Bldg. 4)

AOASO Council Meeting

October 2 (Fri.) 16:40–16:50  Hall 8 (International Conference Room, 3F, Bldg. 3)

AOASO Opening Remarks

Masato Kasuga
*National Center for Global Health and Medicine, Japan*

Kazuwa Nakao
*Medical Innovation Center, Kyoto University Graduate School of Medicine, Japan*

October 2 (Fri.) 16:50–18:50  Hall 8 (International Conference Room, 3F, Bldg. 3)

AOASO International Symposium 1

"Obesity: Risk Factor and Disease"

*Chairs:* Yuji Matsuzawa  
*Sumitomo Hospital, Japan*

Takashi Kadowaki  
*Department of Diabetes and Metabolic Diseases, Graduate School of Medicine, The University of Tokyo, Japan*

**IS1-1**  
*Epidemiology of obesity in Asia–Oceania*  
Mohd Ismail Noor  
*School of Hospitality, Tourism and Culinary Arts, Taylor’s University, Malaysia*

**IS1-2**  
*Obesity and obesity disease*  
Yuji Matsuzawa  
*Sumitomo Hospital, Japan*

**IS1-3**  
*Metabolic syndrome & obesity in Korea: Risk factors*  
Moon-Kyu Lee  
*Sungkyunkwan University School of Medicine, Republic of Korea*

**IS1-4**  
*Is obesity a disease?*  
Timothy P. Gill  
*Boden Institute, Charles Perkins Centre, University of Sydney, Australia*

October 3 (Sat.) 7:30–8:20  Hall 8 (International Conference Room, 3F, Bldg. 3)

AOASO Morning Seminar 1

"Advance and unmet medical needs in insulin treatment"

*Chairs:* Eiichi Araki  
*Department of Metabolic Medicine, Faculty of Life Sciences, Kumamoto University, Japan*

Munehide Matsuhisa  
*Diabetes Therapeutics and Research Center, Tokushima University, Japan*
October 3 (Sat.)  8:30-10:40  Hall 1  (Shirotori Hall, 1F, Bldg. 4)

JASSO · AOCO Joint Symposium 1
"Obesity Surgery"

Relay to Hall 8  (International Conference Room, 3F, Bldg. 3)

Chairs: Tohru Tani

Biomedical Innovation Center, Shiga University of Medical Science, Japan
Wei Jei Lee
Department of Surgery, Min-Sheng General Hospital, National Taiwan University, Taiwan

JS-1-1  Asian status of metabolic surgery especially against type 2 diabetes mellitus
Wei-Jei Lee
Department of Surgery, Min-Sheng General Hospital, National Taiwan University, Taiwan

JS-1-2  Bariatric surgery: Worldwide and Asian indications
Kazunori Kasama
Weight Loss and Metabolic Surgery Center, Yotsuya Medical Cube, Japan

JS-1-3  Mechanism of anti-diabetic effect of the metabolic surgery
Takeshi Naitoh
Department of Surgery, Tohoku University Graduate School of Medicine, Japan

JS-1-4  The outcome of the effectiveness and safety of bariatric and metabolic surgery in Japan studied with Japanese registry by JSTO
Shinichi Okazumi
Department of surgery, Toho University Sakura medical center, Japan
JSTO Database Committee, Japan

Commentator: Shashank Shah
International Centre of Excellence for Metabolic and Bariatric Surgery, Laparo-Obeso Centre, India

October 3 (Sat.)  12:00-12:50  Hall 8  (International Conference Room, 3F, Bldg. 3)

AOCO Luncheon Seminar 1
"Regulation of energy homeostasis in insulin’s target organs and pathogenesis of insulin resistance"

Sponsored by MSD K.K.

Chair: Iichiro Shimomura
Department of Metabolic Medicine, Internal Medicine, Graduate School of Medicine Osaka University, Japan

Wataru Ogawa
Division of Diabetes and Endocrinology, Kobe University Graduate School of Medicine, Japan
AOCO Oral Session

Chairs: Shuji Inoue
Department of Clinical Nutrition, Faculty of Health Care, Kiryu University, Japan
Roberto C. Mirasol
St. Luke’s Medical Center, Section of Endocrinology, Diabetes and Metabolism, Philippines

OS-1
The histone acetyltransferase GCN5 regulates hepatic gluconeogenesis through CITED2-dependent substrate switch
Mashito Sakai
Department of Molecular Metabolic Regulation, Diabetes Research Center, Research Institute, National Center for Global Health and Medicine, Japan

OS-2
Association of eating behavior with BMI, body fat composition, and physical activity in selected filipino children, 9 -12 years of age
Mildred A. Udarbe
Nutrition Research and Development Group, Food and Nutrition Research Institute-Department of Science and Technology, Philippines

OS-3
Prevalence of human adenovirus-36 (Ad-36) infection in Hong Kong Chinese school children and its association with obesity
Alice Pik Shan Kong
Department of Medicine and Therapeutics, The Chinese University of Hong Kong, Hong Kong

AOCO International Symposium 2
"Epidemiology and Prevention/Treatment Strategies in Each Country"

Chairs: Kazuyo Tsushita
Aichi Health Promotion Public Interest Foundation Comprehensive Science Center, Japan
Kuo-Chin Huang
Department of Family Medicine, National Taiwan University Hospital, Taiwan

IS2-1
TBD
Shashank Shah
International Centre of Excellence for Metabolic and Bariatric Surgery, Laparo-Obeso Centre, India

IS2-2
Progress on addressing obesity in Australia
Timothy P. Gill
Boden Institute, Charles Perkins Centre, University of Sydney, Australia

IS2-3
Obesity in Hong Kong: Epidemiology and prevention strategies
Francis CC Chow
Hong Kong Association for the Study of Obesity
Division of Endocrinology & Diabetes, Department of Medicine & Therapeutics, Prince of Wales Hospital, The Chinese University of Hong Kong, Hong Kong
TBD
Saksono Harbuwono
*Indonesian Society for the study of Obesity, Indonesia*

**IS2-5**
A nation-wide lifestyle intervention system in Japan that focuses on the metabolic syndrome:
The specific health guidance
Kazuuyo Tsushita
*Comprehensive Health Science Center, Aichi Prefecture, Japan*

**IS2-6**
Metabolic syndrome in Korea: Epidemiology & prevention strategies
Moon-Kyu Lee
*Sungkyunkwan University School of Medicine, Republic of Korea*

**IS2-7**
Obesity in the Philippines
Roberto C. Mirasol
*St. Luke's Medical Center, Philippines*

**IS2-8**
Epidemiology and prevention/treatment strategies of obesity in Singapore
Kwang-Wei Tham
*Department of Endocrinology, Singapore General Hospital, Singapore*

**IS2-9**
Epidemiology and prevention/treatment strategies of obesity in Taiwan
Kuo-Chin Huang
*Department of Family Medicine, National Taiwan University Hospital, Taiwan*

**IS2-10**
Obesity epidemic in Malaysia: Issues and challenges
Mohd Ismail Noor
*School of Hospital, Tourism and Culinary Arts, Taylor's University, Malaysia*

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**JASSO · AOCO Joint Symposium 2**
"Obesity and Inflammation"

Sponsored by Takeda Pharmaceutical Company Limited

**Chairs:** Jae Bum Kim
*School of Biological Science, Institute of Molecular Biology & Genetics, Seoul National University, Republic of Korea*
Yoshihiro Ogawa
*Department of Molecular Endocrinology and Metabolism, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, Japan*

**JS-2-1**
Role of parenchymal–stromal cell interaction in obesity–induced chronic inflammation
Takayoshi Suganami
*Department of Molecular Medicine and Metabolism, Research Institute of Environmental Medicine, Nagoya University, Japan*
Department of Molecular Endocrinology and Metabolism, Graduate School of Medical and Dental Sciences, Tokyo Medical and Dental University, Japan
PRESTO, Japan Science and Technology Agency, Japan

**JS-2-2**
Positive loop of adiponectin/T-cadherin for tissue defense, and Adipose Tregs’ regulation
Ichiro Shimomura
*Department of Metabolic Medicine, Internal Medicine, Graduate School of Medicine, Osaka University, Japan*

**JS-2-3**
Immune regulation of homeostasis and inflammation in adipose tissue
Ichiro Manabe
*Department of Cardiovascular Medicine, The University of Tokyo Graduate School of Medicine, Japan*
Dysregulation of Adiponectin gene expression in obesity
Jae Bum Kim
School of Biological Science, Institute of Molecular Biology & Genetics, Seoul National University, Republic of Korea

October 3 (Sat.)  16:20-17:20  Poster Area  (Event Hall, 1F, Bldg. 1)
AOCO Poster Presentation

October 3 (Sat.)  17:20-18:10  Hall 8  (International Conference Room, 3F, Bldg. 3)
AOCO Evening Seminar
"Impact of SGLT–2 inhibitors for the treatment of type 2 diabetic patients"
Sponsored by Astellas Pharma Inc.
Kotobuki Pharmaceutical Co., Ltd.
MSD K.K.

Chair: Kazuyuki Tobe
First Department of Internal Medicine, Graduate School of Medicine and Pharmaceutical Sciences for Research, University of Toyama, Japan

Masafumi Matsuda
Department of Endocrinology and Diabetes, Saitama Medical Center, Saitama Medical University, Japan

October 4 (Sun.)  6:50-7:50  Hall 5 (131+132, 3F, Bldg. 1)
AOCO Demonstrative and Participative Yoga Session

Instructor: Pallavi Sodhi Patankar
All India Association for Advancing Research in Obesity

October 4 (Sun.)  8:00-8:50  Hall 8 (International Conference Room, 3F, Bldg. 3)
AOCO Morning Seminar 2
"Targeting obesity in management of diabetes:potential role of incretin-based therapies"
Sponsored by Novo Nordisk Pharma Ltd.

Chair: Toshimasa Yamauchi
Department of Diabetes and Metabolic Diseases, Graduate School of Medicine, The University of Tokyo, Japan

Koutaro Yokote
Department of Diabetes, Metabolism and Endocrinology, Graduate School of Medicine, Chiba University, Japan
RS-1  Adipose tissue location and Adipocyte morphology as major determinants of obesity related metabolic and Atherosclerotic consequences
Soumitra Ghosh
Department of Internal Medicine, Obesity and Lifestyle Diseases Division, Institute of Post-Graduate Medical Education and Research, India

RS-2  Fast weight loss does not reduce muscle strength or bone mineral density compared with slow weight loss in obese post-menopausal women
Radhika Virginia Seimon
NHMRC Early Career Research Fellow, University of Sydney, Australia
The Boden Institute of Obesity, Nutrition, Exercise and Eating Disorders

RS-3  Low testosterone level in cardiometabolic disease
Kitty Kit Ting Cheung
Division of Endocrinology and Diabetes, The Chinese University of Hong Kong, Hong Kong

RS-4  Crystal structures of the human adiponectin receptors
Masato Iwabu
Department of Diabetes and Metabolic Diseases, Graduate School of Medicine, The University of Tokyo, Japan
PRESTO, Japan Science and Technology Agency, Japan

RS-5  Identification of an orexigenic serotonergic circuit
Jong-Woo Sohn
Department of Biological Sciences, Korea Advanced Institute of Science and Technology, Republic of Korea

RS-6  Sexually dimorphic responses of infant growth to maternal antioxidant levels during pregnancy
See Ling Loy
KK Research Centre, KK Women’s and Children’s Hospital, Singapore

RS-7  Outcome of the weight management program (therapeutic phase) among overweight and obese adult Filipinos
Maria Katrina Mallonga-Palanginan
Section of Endocrinology, Diabetes and Metabolism, Department of Medicine, St. Luke’s Medical Center, Philippines

RS-8  Pathway to insulin resistance differs among major Asian ethnic groups
Khoo Chin Meng
Department of Medicine, National University Hospital, Singapore
Yong Loo Lin School of Medicine, Singapore DUKE-NUS Graduate School of Medicine, Singapore

RS-9  High serum selenium levels are associated with prevalence of diabetes independent of central obesity and insulin resistance
Chia-Wen Lu
Department of Family Medicine, National Taiwan University Hospital, Taiwan
JASSO · AOCO Special Lecture 4
Chair: Masato Kasuga
National Center for Global Health and Medicine, Japan

SL4-1  Prevention of global obesity epidemic: From science to policy
Frank B. Hu
Department of Nutrition and Epidemiology, Harvard T.H. Chan School of Public Health, USA
Department of Medicine, Harvard Medical School, USA

AOCO Luncheon Seminar 2
"Evolution and Deepening of Adiposcinence: From the point of view of adipocytokines"
Sponsored by Takeda Pharmaceutical Company Limited
Chair: Yuji Matsuzawa
Sumitomo Hospital, Japan
Noriyuki Ouchi
Molecular Cardiovascular Medicine, Nagoya University Graduate School of Medicine, Japan

AOCO Closing Remarks
Shigeru Miyazaki
Center for Health Evaluation and Promotion, Japan Anti-Tuberculosis Association, Japan