

## Program

Day 1, Saturday, April 8

Room 1

11:25 - 11:30

### Opening Remarks

ACRI 2023 President : Hiroaki Shibahara

Department of Obstetrics and Gynecology, School of Medicine, Hyogo Medical University

11:30 - 12:00

### Opening Lecture

Chair : Tadashi Kimura

Obstetrics and Gynecology, Department of Organ Regulation Medicine, Graduate School of Medicine, Faculty of Medicine, Osaka University

OL

### Decreased paternal/fetal antigen-specific Treg cells are involved in the pathogenesis of preeclampsia, and decreased Treg cells pool are involved in the pathogenesis of miscarriage

Shigeru Saito

University of Toyama

12:10 - 13:10

### Luncheon Seminar 1 : PGT-A

Sponsored by: [Setouchi Society for Assisted Reproductive Technology](#)

Chair : Mikiya Nakatsuka

Graduate School of Health Sciences, Okayama University

LS1-1

### PGT-A, past, present, and future in Japan

Takeshi Iwasa

Department of Obstetrics and Gynecology, Tokushima University Graduate School of Biomedical Sciences

LS1-2

### Our strategy to maximize clinical PGT program

Tetsunori Mukaida

Hiroshima HART Clinic

13:15 - 14:35

### Symposium 1 : Endometriosis

Chairs : Takashi Murakami

Department of Obstetrics and Gynecology, Shiga University of Medical Science

Kaori Koga

Department of Obstetrics and Gynecology, Graduate School of Medicine Chiba University

S1-1

### The peritoneal immune environment in the pathogenesis of endometriosis

Kaori Koga

Department of Obstetrics and Gynecology, Graduate School of Medicine Chiba University

S1-2

### NK cell abnormalities and endometriosis

Ayano Yamaya

Department of Obstetrics and Gynecology, School of Medicine, Hyogo Medical University

**S1-3 Infection and Inflammation in the Pathogenesis of Endometriosis**

Ae Ra Han  
CHA University Fertility Center Daegu

**14:35 - 14:50 Coffee Break: Outside Room 1 (301)**

**14:50 - 15:50 Special Lecture 1**

Chair : Hideto Yamada  
Center for Recurrent Pregnancy Loss, Teine Keijinkai Hospital

**SL1 Immunotherapy for reproductive failure women in Korea: present and future**

Sung Ki Lee  
Department of Obstetrics and Gynecology, Konyang University College of Medicine

**15:55 - 16:35 Special Lecture 2**

Chair : Tomohiko Wakayama  
Department of Histology, Faculty of Life Sciences, Kumamoto University

**SL2 Testis-enriched genes and their functions for spermatogenesis and fertilization**

Masahito Ikawa  
Department of Experimental Genome Research, Genome Information Research Center, Research Institute for Microbial Diseases, Osaka University

**16:40 - 17:40 Special Lecture 3**

Chair : Tomoyuki Fujii  
Sanno Hospital

**SL3 Placental-microbial interactions; Possible roles of endometrial commensals in trophoblast invasion and placental barrier against pathogenic viruses**

Satoshi Hayakawa  
Division of Microbiology Department of Pathology and Microbiology, Nihon University School of Medicine

13:30 - 14:06

**Oral 1 : Recurrent Pregnancy Loss-1**

Chair : Masashi Deguchi

Department of Obstetrics and Gynecology, Kobe University Graduate School of Medicine

O1-1

**Clinical efficacy of low-molecular-weight heparin plus aspirin versus aspirin alone in repeat pregnancy loss women with thrombotic causes**

Joon Cheol Park

Department of Obstetrics and Gynecology, School of Medicine, Kyungpook National University

O1-2

**A case of severe fetal growth restriction with oligohydramnios was successfully treated with antithrombotic therapy**

Tomoko Ichikawa

Department of Obstetrics and Gynecology, Nippon Medical School

O1-3

**AREG<sup>+</sup> NK cell accelerates decidualization by interacting with IGF1<sup>+</sup> stromal cell**

Jia-Wei Shi

NHC Key Lab of Reproduction Regulation, Hospital of Obstetrics and Gynecology, Shanghai Institute for Biomedical and Pharmaceutical Technologies, Fudan University

14:06 - 15:06

**Oral 2 : Recurrent Pregnancy Loss-2**

Chair : Atsushi Fukui

Department of Obstetrics and Gynecology, School of Medicine, Hyogo Medical University

O2-1

**Dysfunction of CCR1<sup>+</sup> Decidual Macrophages is a Potential Risk Factor in the Occurrence of Unexplained Recurrent Pregnancy Loss**

Yifei Sang

Hospital of Obstetrics &amp; Gynecology, Fudan University

O2-2

**Role of PROK1 in decidua of patients with unexplained recurrent pregnancy loss showing insulin hypersecretion**

Shinobu Goto

Department of Obstetrics and Gynecology, Nagoya City University Graduate School of Medical Science

O2-3

**Obesity Challenge Drives Distinct Maternal Immune Response Changes in Normal Pregnant and Abortion Prone Mouse Models**

Yanhong Li

Hospital of Obstetrics &amp; Gynecology, Fudan University

O2-4

**LPA promotes the autophagy of trophoblast cells in early pregnancy**

Jun Shao

Hospital of Obstetrics &amp; Gynecology, Fudan University

O2-5

**Expression of cell adhesion molecules on peripheral blood NK cells in recurrent pregnancy losses**

Ayano Yamaya

Department of Obstetrics and Gynecology, School of Medicine, Hyogo Medical University

15:06 - 15:54

**Oral 3 : Endometrium and Embryo**

Chair : Koji Nakagawa  
Sugiyama Clinic Shinjuku

**O3-1 Risk factors for chronic endometritis in infertile women with intrauterine disorders after hysteroscopic surgery**

Keiji Kuroda  
Sugiyama Clinic Shinjuku, Center for Reproductive Medicine and Endoscopy

**O3-2 Abnormalities in the endometrial microbiota may affect pregnancy outcomes of assisted reproductive technology.**

Motowo Nabeta  
Tsubaki Women's Clinic

**O3-3 Bioinformatics Analysis Identifies Potential Biomarkers and Immune Infiltration Characteristics in Recurrent Implantation Failure**

Zhen-zhen Lai  
NHC Key Lab of Reproduction Regulation, Hospital of Obstetrics and Gynecology, Shanghai Institute for Biomedical and Pharmaceutical Technologies, Fudan University

**O3-4 Effects of conditioned media from polarized macrophages on mouse pre-implantation embryonic development and outgrowth of blastocysts**

Jin Hyun Jun  
Department of Biomedical Laboratory Science, Graduate School, Eulji University

15:54 - 16:42

**Oral 4 : Repeated Implantation Failure**

Chair : Fuminori Kimura  
Department of Obstetrics and Gynecology, Nara Medical University

**O4-1 Evaluation of the tacrolimus treatment using euploid blastocyst for women with repeated implantation failures showing elevated type-1 helper T (Th1)/Th2 cell ratios**

Koji Nakagawa  
Sugiyama Clinic Shinjuku

**O4-2 The distribution of serum Th1/2 ratio and NK cell activity in patients with recurrent implantation failure**

Yih sien Enatsu  
Hanabusa Women's Clinic

**O4-3 Evidence for Correlation between Novel Autoantibody against Phospholipid Named Neoself Antibody ( $\beta$ 2GPI/HLA-DR) and Complement Consumption in Infertile Patients**

Hirota Matsumi  
Matsumi Ladies Clinic Mita

**O4-4 Does intrauterine infusion of PRP affect the window of implantation?**

Kunihiro Enatsu  
Hanabusa Women's Clinic Nishinomiya

16:42 - 17:30

**Oral 5 : Preeclampsia and Placenta**

Chair : Akihide Ohkuchi

Department of Obstetrics and Gynecology, Jichi Medical University

O5-1

**Development of an in vitro preeclampsia model in the villous tissue using an autophagy inhibitor, Bafilomycin**

Atsushi Furuta

Department of Obstetrics and Gynecology, University of Toyama

O5-2

**The advanced possibility of pravastatin in advanced maternal aged pregnancy complicated preeclampsia**

Risa Miyatake

Obstetrics and Gynecology, Faculty of Medicine, the University of Tokyo

O5-3

**IL-18 induces proper inflammation contributing placental development and fetal growth**

Hajime Ino

Department of Obstetrics and Gynecology, Nippon Medical School

O5-4

**Trophoblast cell line BeWo cell-derived nanoparticles contain a large amount of placenta-specific microRNAs and modify the gene expression of recipient immune cells (T lymphocyte cell line Jurkat cells)**

Syunya Noguchi

Department of Molecular Medicine and Anatomy, Nippon Medical School

18:00 - 20:00

**Gala Dinner : Banquet Hall Kairaku, B1F, Main Building, Kobe Portopia Hotel**