

8:30 - 9:50

Symposium 2 : Recurrent Pregnancy Loss (RPL)

Chairs : Yasuhiko Ozaki

Clinical Department of Obstetrics and Gynecology, Nagoya City University West Medical Center

Yasuyuki Negishi

Department of Microbiology and Immunology, Nippon Medical School

S2-1

Autoantibodies against β 2-glycoprotein I/HLA class II complexes is associated with recurrent pregnancy loss

Kenji Tanimura

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

S2-2

Decidual CXCR4⁺ CD56^{bright} NK cells as a novel NK subset in maternal-fetal immune tolerance to alleviate early pregnancy failure

Yanhong Li

Hospital of Obstetrics & Gynecology, Fudan University

S2-3

Pregnancy Outcome of Intravenous Immunoglobulin in women with Recurrent Pregnancy Loss

Jaewon Han

Department of Obstetrics and Gynecology, College of Medicine, Konyang University

9:55 - 10:25

Educational SeminarSponsored by: GE Healthcare Japan Corporation
Nanosonics Japan K. k.
YAYOI Corporation

Chair : Hideaki Sawai

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

ES

Brain Asymmetry associated with Genetics

Ritsuko Kimata Pooh

Fetal Diagnostic Center, Fetal Brain Center, CRIFM Prenatal Medical Clinic

10:25 - 10:40

Coffee Break: Outside Room 1 (301)

10:40 - 11:40

Special Lecture 4

Chair : Akitoshi Nakashima

Department of Obstetrics & Gynecology, University of Toyama

SL4

NK Cell and Pregnancy Immune Tolerance

Meirong Du [Video]

Obstetrics and Gynecology Hospital, Fudan University

11:50 - 12:50

Luncheon Seminar 2 : Repeated Implantation Failure

Sponsored by: Japan Society of Assisted Reproduction

Chair : Yoshiharu Morimoto
HORAC Grand Front Osaka Clinic

LS2-1 Clinical approach to recurrent implantation failure

Masahide Shiotani
Hanabusa Women's Clinic

LS2-2 NK cell abnormalities and reproductive failures

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

12:55 - 14:15

Symposium 3 : Premature Labor/Preeclampsia

Chairs : Takeshi Nagamatsu
Department of Obstetrics and Gynecology, International University of Health and Welfare
Narita Hospital
Katsuhiko Naruse
Department of Obstetrics and Gynecology, Dokkyo Medical University

S3-1 The regulatory mechanism of extravillous trophoblast invasion through microRNAs

Hironori Takahashi
Department of Obstetrics and Gynecology Jichi Medical University

S3-2 Cervical remodeling in preterm labor

Jinying Yang
Department of Obstetrics, Longgang District Maternal & Child Healthcare Hospital of Shenzhen City

S3-3 Immune Regulation and Lymphatic Vessel Development in Severe Preeclampsia

Yong-Sun Maeng
Department of Obstetrics and Gynecology, Institute of Women's Life Medical Science, Yonsei University College of Medicine

14:15 - 14:30

Coffee Break: Outside Room 1 (301)

14:30 - 15:10

Special Lecture 5

Chair : Toshiyuki Takeshita
Takeshita Ladies Clinic

SL5 Delivery of prostate cancer-associated non-coding RNAs within the bone marrow milieu

Toshihiro Takizawa
Department of Molecular Medicine and Anatomy, Nippon Medical School

15:10 - 16:10

Special Lecture 6

Chair : Hiroaki Shibahara

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

SL6

Endometrial gene expression and reproductive failures

Joanne Y.H. Kwak-Kim [Video]

Reproductive Medicine and Immunology, Chicago Medical School, Rosalind Franklin University of Medicine and Science

16:10 - 16:15

Closing Remarks

8:30 - 9:06

Outstanding Award 1

Chair : Mayumi Sugiura

Department of Obstetrics and Gynecology, Nagoya City University Graduate School of Medicine

OA1-1

Withdrawn

OA1-2

Uterine endometrium microbiota and pregnancy outcome in women with recurrent pregnancy loss

Yutoku Shi

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

OA1-3

High 25-hydroxycholesterol induces apoptotic and ferroptotic cell death by causing oxidative stress in trophoblast cells

Ki Mo Lee

Department of Obstetrics and Gynecology, College of Medicine, Konyang University Myunggok Medical Research Institute

OA1-4

Alternative pathway specific complement regulator C1q/TNF-related protein 6 is related the placental development and fetal growth

Ai Takeshita

Department of Anatomy and Neurobiology, Faculty of Medicine, Kindai University

9:06 - 9:54

Outstanding Award 2

Chair : Hidetaka Okada

Department of Obstetrics and Gynecology, Kansai Medical University

OA2-1

The effects of neonatal corticosterone administration on Sertoli cell number in the testes of mice in prepubertal and postpubertal stages

Hidenobu Miyaso

Department of Anatomy, Faculty of Medicine, School of Medicine, International University of Health and Welfare

OA2-2

SCM-198 prevents endometriosis by reversing low autophagy of endometrial stromal cell via balancing ER α and PR signals

Yikong Lin

Gynecology and Obstetrics Hospital, Fudan University

OA2-3

Characterization of a spontaneously-occurring self-reactive antibody against sperm in mice

Yuekun Chen

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

OA2-4

TULP2 deletion mice exhibit abnormal sperm flagellar structure and male infertility

Yuki Oyama

Department of Experimental Genome Research, Osaka University

9:56 - 10:11

Award Ceremony

10:13 - 11:13

Oral 6 : Endometriosis and Gynecological Cancer

Chair : Kei Kawana

Department of Medicine, Nihon University

O6-1 **Inappropriate inflammation in ovarian endometrial cysts correlates with excessive T-cell activation and increased level of high-mobility group box-1**

Mariko Ikeda

Department of Obstetrics and Gynecology, Nippon Medical School

O6-2 **Endometriotic cell-derived adenosine triphosphate (ATP) promotes the fibrosis of endometriotic lesions via eosinophil activation**

Yosuke Ono

Department of Obstetrics and Gynecology, University of Yamanashi

O6-3 **The role of p62, an autophagy-related protein, as a marker of radiosensitivity in cervical cancer**

Mihoko Yoshida

Department of Obstetrics and Gynecology, Toyama University, Toyama, Japan

O6-4 **Cytosolic estrogen receptor alpha regulates cell cycle and mitochondrial membrane potential of endometrial carcinoma cells**

Zhong-Lian Li

Department of Anatomy, Tokyo Medical University

O6-5 **Novel use of immune checkpoint inhibitors for vaginal melanoma: A retrospective study**

Kota Konishi

Department of Obstetrics and Gynecology, Faculty of Medicine, Oita University

11:13 - 11:37

Oral 7 : COVID-19

Chair : Hiroyuki Tanaka

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

O7-1 **Evaluation of protein expression and phosphorylation of SARS-CoV-2-infected placental tissue in the second trimester by tandem mass tag system**

Kazuhide Takada

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

O7-2 **SARS-CoV-2 infection in pregnant female mouse featured as delayed anti-viral response**

Lu Liu

Laboratory for Reproductive Immunology, NHC Key Lab of Reproduction Regulation (Shanghai Institute of Planned Parenthood Research), Shanghai Key Laboratory of Female Reproductive Endocrine-Related Diseases, Hospital of Obstetrics and Gynecology, Shanghai Medical College, Fudan University

13:00 - 13:48

Oral 8 : Sperm, Testis and Male Infertility-1

Chair : Akiko Hasegawa

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

O8-1

Role of Calpain in Human Sperm for Fertilization

Yasuhiko Ozaki

Department of Obstetrics and Gynecology, Nagoya City University West Medical Center

O8-2

Detection of Sperm Antigens Corresponding to Sperm-Immobilizing Antibodies in Infertile Women

Haruka Honda

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

O8-3

Study of abnormal spermatogenesis in mouse model of Down syndrome

Tomohiko Wakayama

Department of Histology, Graduate School of Medical Sciences, Kumamoto University

O8-4

Co-administration of the traditional medicines Hachimi-jio-gan and Hochu-ekki-to can reverse busulfan-induced aspermatogenesis

Ning Qu

Tokai University School of Medicine, Tokyo Medical University

13:48 - 14:24

Oral 9 : Sperm, Testis and Male Infertility-2

Chair : Masakatsu Fujinoki

Research Center for Laboratory Animals, Dokkyo Medical University

O9-1

ADAD2 functions in spermiogenesis and piRNA biogenesis in mice

Yonggang Lu

Immunology Frontier Research Center, Osaka University

O9-2

ERP2 is required for sperm motility and male fertility in male mice

Hsin-Yi Chang

Department of Experimental Genome Research, Research Institute for Microbial Diseases, Osaka University

O9-3

GARIN2 is not essential for male fertility in mice

Haoting Wang

Graduate School of Pharmaceutical Sciences, Osaka University

14:24 - 15:00

Oral 10 : Preterm Birth

Chair : Koichiro Shimoya

Department of Obstetrics and Gynecology, Kawasaki Medical School

O10-1

Role of immune cells in preterm birth induced by sterile inflammation

Yasuyuki Negishi

Department of Microbiology and Gynecology, Nippon Medical School

O10-2 Prophylactic treatment with progesterone prevents murine miscarriage by suppressing the immunostimulatory activity of macrophage

Asane Iida

Department of Microbiology and Immunology, Nippon Medical School

O10-3 Novel etiological analysis of preterm births related to innate immunity and sterile inflammation

Masahiko Kato

Department of Obstetrics and Gynecology, Nippon Medical School