

**24 July : Day 1 (Friday) Morning**

|                                       |  |  |
|---------------------------------------|--|--|
| 9:00-9:09                             | <b>Opening Remarks</b>   |  |
| 3F, Room A2,<br>KUMAMOTO-JO HALL      | APPREA President<br>2nd APPREA Meeting Preseident<br>Scientific Program Director   | <b>Rajvardhan Azad</b><br><b>Shunji Kusaka</b><br><b>Wei-Chi Wu</b>  |
| 9:09-9:52                             | <b>Scientific Session 1</b><br><b>Moderator: Wei-Chi Wu, Rajvardhan Azad</b><br>Theme : ROP-1-Epidemiology and screening (1)   |  |
| 3F, Room A2,<br>KUMAMOTO-JO HALL      | S1-1: Role of Low Flow Oxygen Meters to reduce AROP in LMICs<br>S1-2: Biphasic Oxygen Delivery for ROP ( <i>pre-recorded</i> )<br>S1-3: Calling it what it is: Oxygen Associated ROP (OA-ROP)<br>S1-4: Laser Speckle Flowgraphy Assessment of Ocular Blood Flow in School-Aged Children With or Without a History of Retinopathy of Prematurity<br>S1-5: Predicting ROP Using Tear Biomarkers<br>Discussion  | <b>Parag Shah</b><br><b>C. Armitage Harper</b><br><b>Michael P. Blair</b><br><b>Wei-Chi Wu</b><br><b>Anand Vinekar</b>   |
| 9:52-10:25                            | <b>Scientific Session 2</b><br><b>Moderator: Hiroyuki Kondo, Atchara Amphornphruet</b><br>Theme : PEDs-1-FEVR & Coats' disease   |  |
| 3F, Room A2,<br>KUMAMOTO-JO HALL      | S2-1: Preterm FEVR<br>S2-2: Delayed progression of tractional retinal detachments in eyes with FEVR<br>S2-3: KIF11-related retinopathy: A case series<br>S2-4: Clinical Characteristics in Childhood versus Adult onset unilateral Coats disease ( <i>pre-recorded</i> )<br>Dicussion  | <b>Atchara Amphornphruet</b><br><b>Hiroyuki Kondo</b><br><b>Sang Jin Kim</b><br><b>Andrew Tsai</b>   |
| Coffee / Tea Break, Poster viewing    |  |  |
| 10:40-11:00                           | <b>Keynote Lecture 1</b><br><b>Moderator: Shunji Kusaka</b>  |  |
| 3F, Room A2,<br>KUMAMOTO-JO HALL      | Introduction<br>KL1: Retinal hemorrhage and other retinal abnormalities in abused head trauma<br>Discussion  | <b>Shunji Kusaka</b><br><b>Noriyuki Azuma</b>  |
| 11:00-12:00                           | <b>Scientific Session 3</b><br><b>Moderator: Anand Vinekar, Shuan Dai</b><br>Theme : ROP-2-Screening (2)   |  |
| 3F, Room A2,<br>KUMAMOTO-JO HALL      | S3-1: Randomized Controlled Trial Comparing the Efficacy of Mydrin-P Microdrops Over Standard Dose Mydrin-P for Pupil Dilation in Retinopathy of Prematurity (ROP) Examination<br>S3-2: AI supported FA classification of ROP<br>S3-3: Integrating Offline ROP AI into a Tele-ROP Program - The KIDROP Experience<br>S3-4: Using the P Score in Practice: Improving Agreement in ROP Classification<br>S3-5: AI-assisted ROP diagnosis using a smartphone-based retinal imaging system<br>S3-6: Validation of DIGIROP 2.0 screening model in a Taiwanese cohort<br>S3-7: Next-generation screening tools/care for ROP ( <i>pre-recorded</i> )<br>Dicussion | <b>Connie H.Y. Lai</b><br><b>Domenico Lepore</b><br><b>Anand Vinekar</b><br><b>Gil Binenbaum</b><br><b>Yoko Fukushima</b><br><b>Tso-Ting Lai</b><br><b>R. V. Paul Chan</b> |
| Lunch Break (No lunch boxes provided) |  |  |

**24 July : Day 1 (Friday) Afternoon**

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| 13:30-14:15                            | <b>Scientific Session 4</b><br>Moderator: Peiquan Zhao, Anil Gangwe<br>Theme : ROP-3-Treatment (1)  |  |
| 3F, Room A2,<br>KUMAMOTO-JO HALL       | S4-1: ROP- when and when not to operate?<br>S4-2: Presentations and treatment outcomes of unusual types of Retinopathy of Prematurity (ROP)<br>S4-3: Concurrent cataract and ROP- Challenges and management<br>S4-4: Role of Laser in Retinopathy of Prematurity in Anti-VEGFs Era<br>S4-5: Exudative Detachment in A-ROP<br>Discussion   | Pramod S. Bhende<br>Subhadra Jalali<br>Anil Gangwe<br>Mangat Ram Dogra<br>Michael P. Blair   |
| 14:15-15:25                            | <b>Scientific Session 5</b><br>Moderator: Sang Jin Kim, Ping Fei<br>Theme : PEDs-2-Different faces of pediatric retinal diseases  |  |
| 3F, Room A2,<br>KUMAMOTO-JO HALL       | S5-1: Treatment of pediatric choroidal neovascularization<br>S5-2: Endophthalmitis in infants with retinopathy of prematurity<br>S5-3: Pediatric Neuroretinitis: From Clinical Conundrums to Strategic Management<br>S5-4: Management of pediatric ocular inflammatory diseases<br>S5-5: Retinal damage after intra-arterial chemotherapy for retinoblastoma: merit and demerit of balloon technique<br>S5-6: IRD in pediatric patients Diagnosis and management (pre-recorded)<br>S5-7: Gene therapy outcomes in young patients with RPE65-retinal degeneration<br>S5-8: The possible developmental origin of optic disc pits<br>Discussion<br>Coffee / Tea Break, Poster viewing          | Sang Jin Kim<br>Anil Gangwe<br>Ping Fei<br>Koh-hei Sonoda<br>Shigenobu Suzuki<br>Jaume Català Mora<br>Gareth Mercer<br>Tadashi Yokoi |
| 15:40-16:00                            | <b>Keynote Lecture 2</b><br>Moderator: Mangat Ram Dogra   |  |
| 3F, Room A2,<br>KUMAMOTO-JO HALL       | Introduction<br>KL2: Taming the Storm: The Precarious Success of Anti-Vegf<br>Discussion  | Mangat Ram Dogra<br>Rajvardhan Azad  |
| 16:00-17:00                            | <b>Scientific Session 6</b><br>Moderator: Shunji Kusaka, Pramod S. Bhende<br>Theme : ROP-4-Treatments (2)   |  |
| 3F, Room A2,<br>KUMAMOTO-JO HALL       | S6-1: Surgical decision made easy between Buckle versus LSV for operating on Stage 4 ROP<br>S6-2: Complications of vitrectomy for ROP and their management<br>S6-3: Is It Time to Redefine Reactivation Criteria and Treatment Guidelines After Anti-VEGF Therapy for Retinopathy of Prematurity?<br>S6-4: MUSIK an emotional safety initiative improve care experience including pain reduction, of preterm infants during treatment of ROP<br>S6-5: Threat to Life during ROP management<br>S6-6: Evaluation and Treatment of ROP with Innovative Technologies<br>S6-7: A Novel Pie-Slice Technique for Managing Retrolental Membrane in Stage 5 Retinopathy of Prematurity<br>Discussion | Pradeep Susvar<br>Shunji Kusaka<br>Swati Agarwal<br>Alay S. Banker<br>Subhadra Jalali<br>Paul Runge<br>Tapas Ranjan Padhi            |
| 17:00-17:52                            | <b>Scientific Session 7</b><br>Moderator: Rajvardhan Azad, Xiaoyan Ding<br>Theme : PEDs-3-Pediatric imaging, examinations, and vascular development   |  |
| 3F, Room A2,<br>KUMAMOTO-JO HALL       | S7-1: The aspects of diagnosis and treatment of pediatric retinal disease in Mongolia<br>S7-2: Oral FFA in children<br>S7-3: UWFA in Pediatric Retinal Vascular Diseases<br>S7-4: Applications of Electrophysiology in Pediatric Ophthalmology<br>S7-5: Vascular endothelial cell proliferation is associated with retinal vascular tortuosity in oxygen-induced retinopathy<br>S7-6: Targeting TGFBR2 to resolve the inflammatory axis and promote physiological vascular regrowth in the ischemic mice retina<br>Discussion   | Tsengelmaa Chuluunbat<br>Xiaoyan Ding<br>Shorya Azad<br>Mineo Kondo<br>Tomoya Murakami<br>Yoko Fukushima                             |
| 18:00-18:50                            | <b>Poster Discussion 1</b><br><b>*No moderator / Free discussion style</b>  |  |
| 3F, Room A1,<br>KUMAMOTO-JO HALL       |   |  |
| 19:15-21:00                            | <b>Networking Cocktail Party</b>  |  |
| 6F GRACIENTO, Lazor<br>Garden Kumamoto |   |  |

**25 July Day-2 (Saturday) Morning**

8:30-9:05

**Scientific session 8****Moderator: Pramod S. Bhende, Shunji Kusaka**

Theme :PEDs-4-A hole in the eye

3F, Room A2,  
KUMAMOTO-JO HALL

- S8-1: Current management of cavitory optic anomalies: insights and situations  
 S8-2: Surgery for RD associated with morning glory syndrome  
 S8-3: The management of retinal detachment associated with morning glory syndrome  
 S8-4: Managing combined RD and choroidal coloboma  
 Discussion

**Wai-Ching Lam**  
**Shunji Kusaka**  
 Yu Xu  
**Pramod S. Bhende**

9:05-9:50

**Scientific session 9****Moderator: Tso-Ting Lai, Hiroyuki Kondo**

Theme : ROP-5-PAR

3F, Room A2,  
KUMAMOTO-JO HALL

- S9-1: What we know about persistent avascular retina (PAR)  
 S9-2: Multimodal Ocular Imaging in Children with Previous Retinopathy of Prematurity from the Shenzhen Prematurity Eye Study  
 S9-3: Long Term Outcomes of Retinopathy of Prematurity Patients with Persistent Avascular Retina Post Treatment with Anti-VEGF monotherapy  
 Lecture 9-4: Managing Peripheral Avascular Retina in ROP- When to treat  
 S9-5: Peripheral Avascular Retina (PAR) After Anti-VEGF in ROP-Experience from India  
 Discussion

**Tso-Ting Lai**  
**Zhenquan Wu**  
**Alay S. Banker**  
**Shuan Dai**  
**Parag Shah**

Coffee / Tea Break, Poster viewing

10:10-10:30

**Keynote Lecture 3****Moderator: Wei-Chi Wu**3F, Room A2,  
KUMAMOTO-JO HALL

- Introduction  
 KL3: What has changed (what hasn't changed) in pediatric retinal detachment surgery for 30 years  
 Discussion

**Wei-Chi Wu**  
**Hiroko Terasaki**

10:30-11:50

**Scientific session 10****Moderator: Peiquan Zhao, Atchara Amphornphruet**

Theme : PEDs-5-Pediatric surgery (1) &amp; retinoblastoma

3F, Room A2,  
KUMAMOTO-JO HALL

- S10-1: Anti-VEGF for Pediatric Retina Beyond Retinopathy of Prematurity (ROP)  
 S10-2: Short-term PFCL tamponade in Paediatric RD  
 S10-3: Pediatric retinal detachment subsequent to congenital glaucoma surgeries  
 S10-4: Pediatric PVD: Induced or not?  
 S10-5: Surgical treatment of pediatric ocular toxocariasis-associated retinopathy  
 S10-6: Retinal Hemorrhage Patterns: A New Paradigm for Diagnosis of Head Trauma  
 S10-7: Management of retinoblastoma and DD of leukocoria (pre-recorded)  
 S10-8: Intra-arterial chemotherapy for retinoblastoma in Japan: 40 years' experience  
 S10-9: Eye globe preserving therapy in Retinoblastoma  
 Discussion

**Peiquan Zhao**  
**Shorya Azad**  
 Hai Lu  
**Atchara Amphornphruet**  
**Xiaoyan Ding**  
**Gil Binenbaum**  
**Ihab Saad Othman**  
**Shigenobu Suzuki**  
**Rita Sitorus**

11:50-12:00

**Group Photo**3F, Room A2,  
KUMAMOTO-JO HALL

Lunch Break, Poster viewing

## 25 July Day-2 (Saturday) Afternoon

|                                  |  |   |
|----------------------------------|--|---|
| 12:15-13:15                      | <b>Luncheon Seminar</b> (sponsored by Bayer)<br><b>Moderator: Hiroyuki Kondo</b><br>Theme :Advancements in Retinopathy of Prematurity Treatment in Japan   |   |
| 3F, Room A2,<br>KUMAMOTO-JO HALL | LS-1: Current Frontiers in Clinical Research on Retinopathy of Prematurity in Japan: Laser vs Anti-VEGF Therapy<br>LS-2: Improving ROP Care in Japan: Current Challenges in Clinical Practice  | <b>Tomoya Murakami</b><br><b>Yoko Fukushima</b>   |
| 13:20-14:15                      | <b>Scientific session 11</b><br><b>Moderator: Wei-Chi Wu, Anil Gangwe</b><br>Theme : ROP-6-Late complications and long-term outcomes   |   |
| 3F, Room A2,<br>KUMAMOTO-JO HALL | S11-1: Surgery for Retinal Detachment Associated with Regressed ROP<br>S11-2: Myopia in Retinopathy of Prematurity Patients<br>S11-3: Refractive outcomes after retinal photocoagulation for persistent avascular retina (PAR)<br>S11-4: Choroidal Vascularity Index in Stage 3+ Retinopathy of Prematurity After Anti-VEGF With or Without Laser<br>S11-5: Optical Coherence Tomography evaluation of early foveal structural changes after anti-VEGF treatment for Type 1 ROP<br>S11-6: Management of Retinopathy of Prematurity in the Anti-VEGF Era: Consensus and Recommendations from the Taiwan Pediatric Retina (TPR) Group<br>Discussion  | <b>Tariq Reza Ali</b><br><b>Wei-Chi Wu</b><br><b>Tomoya Murakami</b><br><b>Swati Agarwal</b><br><b>Giulia Amorelli</b><br><b>Hsiang-Ling Tsai</b>   |
| 14:15-14:35                      | <b>Keynote Lecture 4</b><br><b>Moderator: Peiquan Zhao</b>   |   |
| 3F, Room A2,<br>KUMAMOTO-JO HALL | Introduction<br>KL4: Retinopathy of Prematurity (ROP) : Past, Present, and Future<br>Discussion<br>Coffee / Tea Break, Poster viewing  | <b>Peiquan Zhao</b><br><b>Hideyuki Hayashi</b>  |
| 14:55-16:15                      | <b>Scientific session 12</b><br><b>Moderator: Manoharan Shunmugam, Wai-Ching Lam</b><br>Theme : PEDs-6-Pediatric surgery (2)   |   |
| 3F, Room A2,<br>KUMAMOTO-JO HALL | S12-1: Ocular trauma related pediatric retinal detachment<br>S12-2: Pneumatic retinopexy as a treatment for rhegmatogenous retinal detachment in pediatric patients meeting PIVOT criteria<br>S12-3: Scleral Buckling for Pediatric Rhegmatogenous Retinal Detachment<br>S12-4: Vitrectomy for paediatric retinal detachment: techniques and outcomes<br>S12-5: Surgical management of complex pediatric retinal detachment<br>S12-6: Surgical Innovation in the Pediatric Retina Macular Reshaping Surgeries<br>S12-7: Scleral sutured IOL in Paediatric Aphakia<br>S12-8: Paediatric IOL fixation in the Absence of Bag Support<br>S12-9: Human amniotic membrane in pediatric retina<br>Discussion<br>Short break for transition  | <b>Hai Lu</b><br><b>Gareth Mercer</b><br><b>Mangat Ram Dogra</b><br><b>Tariq Reza Ali</b><br><b>Wai-Ching Lam</b><br><b>Peiquan Zhao</b><br><b>Shuan Dai</b><br><b>Manoharan Shunmugam</b><br><b>Youssef Abdelmassih</b>  |
| 16:15-17:15                      | <b>Scientific session 13</b><br><b>Moderator: Anand Vinekar, Wai-Ching Lam, Shuan Dai</b><br>Theme : Rapid Fire (3 mins presentation + 1 min discussion)   |   |
| 3F, Room A2,<br>KUMAMOTO-JO HALL | S13-1: RB1 Status and Age: Predicting Bilateral Risk in Unilateral Retinoblastoma<br>S13-2 : Intelligent System for Retinopathy of Prematurity Screening and Prediction<br>S13-3: Deletion involving exon 18 of RPGRIP1 is a major cause of achromatopsia<br>S13-4 : Surgical Considerations in Cases of PFV Combined with Ciliary Epithelial Relaxation<br>S13-5: Genotype–Angiography Correlation in Familial Exudative Vitreoretinopathy: Predictive Value of an FFA-Based Severity Score<br>S13-6: Preliminary Efficacy of Intravitreal Faricimab for Type 1 Retinopathy of Prematurity<br>S13-7 : Scalable Offline AI Supporting Frontline Workers in ROP Screening: Results from an Interim Evaluation<br>S13-8: Novel Application of a Concave-Tooth Flex Loop for Inducing Posterior Vitreous Detachment in Pediatric Vitreoretinal Surgery<br>S13-9: Association Between Persistent Avascular Retina and Early Refractive Outcomes in Preterm Infants<br>S13-10 : Proteomic Pathways Underlying Fibrovascular Proliferation in Retinopathy of Prematurity<br>S13-11: Retrolental Fibroplasia as a Biomarker for Stage 5B Familial Exudative Vitreoretinopathy<br>S13-12: Artificial Intelligence-Based Screening for Comprehensive Retinopathy of Prematurity Assessment<br>S13-13: Incontinentia pigmenti-associated ocular anomalies of pediatric incontinentia pigmenti patients<br>S13-14 : Retinal Function in Preterm Infants Treated with Anti-VEGF for Retinopathy of Prematurity: A Full-Field Electroretinography Study<br>S13-15 : Efficacy and Vascular Redevelopment of Anti-vascular Endothelial Growth Factor Therapy for Stage 2 early-diagnosed Familial Exudative Vitreoretinopathy | <b>Erkuan Dai</b><br><b>Wei Sun</b><br><b>Shinji Ueno</b><br><b>Jianing Ren</b><br><b>Arjun Bamel</b><br><b>Haonan Ma</b><br><b>Snehal Bavaskar</b><br><b>Xuerui Zhang</b><br><b>Chia-Ying Tsai</b><br><b>Fukutaro Mano</b><br><b>Huanyu Liu</b><br><b>Truong Xuan Nguyen</b><br><b>Jie Peng</b><br><b>Tapas Ranjan Padhi</b><br><b>Haonan Ma</b> |
| 17:20-18:20                      | <b>Hands-on Seminar</b><br><b>*Advance registration is required. Details on how to register will be posted on our website at a later date.</b><br>Theme : Wet Lab  |   |
| 3F, Foyer, KUMAMOTO-<br>JO HALL  | Station 1: Norlase LIO / Instructors: Paul Runge<br>Station 2: RetCam Envision / Instructors: Yoshihiro Nakagawa, Masaki Fukushima<br>Station 3: Forus camera / Instructors: Anil Gangwe, Rajvardhan Azad  |   |
| 17:20-18:10                      | <b>Poster Discussion 2</b><br><b>*No moderator / Free discussion style</b>   |   |
| 3F, Room A1,<br>KUMAMOTO-JO HALL |  |   |