

# **KTCC 2026**

## *8th International Workshop of Kyoto T Cell Conference*

Date: 25<sup>th</sup> – 29<sup>th</sup> May 2026

Venue: Kyoto University Shiran Kaikan

## **KTCC 2026: 8<sup>th</sup> International Kyoto T Cell Conference**

Date: 25<sup>th</sup> – 29<sup>th</sup> May 2026

Venue: Kyoto University Shiran Kaikan

KTCC2026 Organizers: Ichiro Taniuchi (chair), Yasutoshi Agata, Tomokatsu Ikawa, Hideki Ueno, Motoko kimura, Shohei Hori, Kazuyo Moro and Tadashi Yokosuka

KTCC2026 secretariat: Hisako Sakamoto (RIKENN IMS)

KTCC was founded in 1991 by Yoshimoto Katsura and is supervised by Yoshimoto Katsura, Kazunori Onoe, Sonoko Habu, Katsuiku Hirokawa, Takashi Saito and Shigeno Koyasu.

KTCC is a founding member of Global Thymus Network since 2005, with EThyme-Rolduc (1989 – present), ThymOz (1995 – present), and ThymUS (2001 – present).

**KTCC2026 is supported by the following organizations**

RIKEN Center for Integrative Medical Sciences (IMS),

Institut Pasteur du Japon (IPJ)

Self-referential immune perception, Grant in Aid for Transformative Research Areas (A)

**KTCC2026 sponsors:**

Cellecta

InvivoGen

Keyence

Takacho

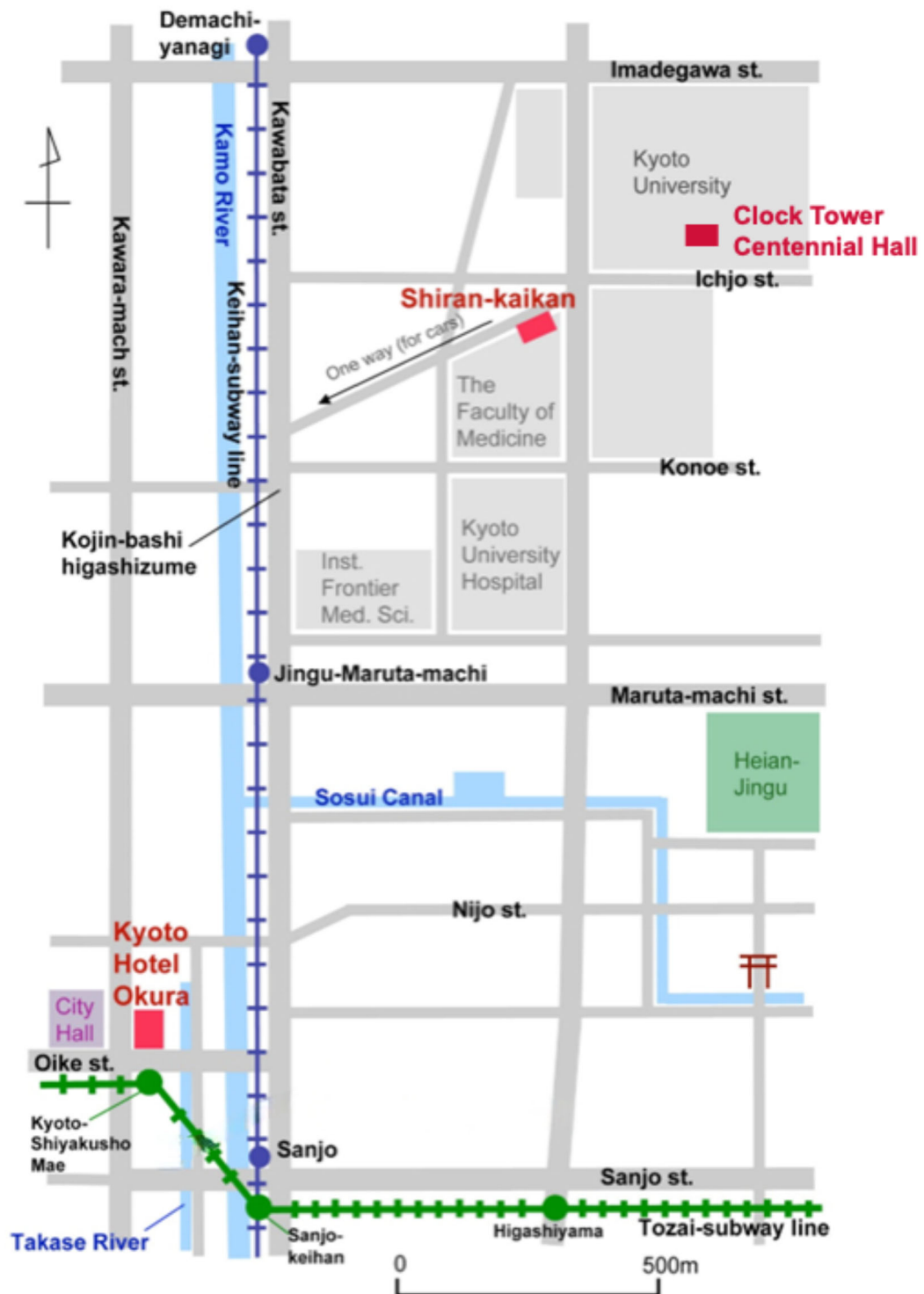
TECregen

The Naito Foundation

The Shimizu Foundation for Immunology and Neuroscience

## Location Map

Shiran-kaikan, Kyoto Hotel Okura, Felicita



From Hotel Okura to Shiran-kaikan:  
Approx. 2 km, 30 minutes' walk

### **Registration:**

Registration desk is open at 2:30 pm of Monday, May 25<sup>th</sup>.  
Please pick up your name card and conference bag.

### **Open hours:**

Shiran Kaikan is open at 8:30 am and 9:30 pm.

### **Instructions for oral presentation**

The schedule is tight, so please keep to your allotted time. You do not have to include introductions of the basic terms, background literature, or acknowledgments to the organizers. Please allow sufficient time for discussion.

20-minute talk: 17 min talk and 3 min discussion.

12-minute talk: 9 min talk and 3 min discussion.

You can connect your PC to the venue projector via HDMI. KTCC will provide adaptor to HDMI connection, if necessary

Windows PCs are expected to be automatically projected upon connection.

However, on Mac PCs, you may need to select a display mode after connecting. Therefore, we strongly recommend testing to ensure that your slides are projected correctly after connection in advance\*.

If you plan to bring your presentation slides on a USB flash drive, please create your presentation using PowerPoint and save the file using following format:

session number\_presentation order\_ your name, e.g. *S-1\_2nd\_Taniuchi*.

Presentation data on a USB flash drive will be accepted in advance\* at the PC booth near the podium.

\* Presenters in the first session of each day are requested to visit the PC booth near the podium on the day before their presentation to check the connection or to submit their presentation data via USB flash drive.

All other presenters may check the connection or submit their presentation data via USB flash drive during the coffee break or lunch break.

Please note that there may be insufficient time immediately before your presentation, so early arrival is strongly recommended.

### **Instructions for poster presentation**

Poster board size: 90 cm width x 210 cm height (35.4 inches x 82.6 inches)

Two poster sessions will be held on Tuesday 26<sup>th</sup> and Wednesday 27<sup>th</sup>.

Poster set up times:

Poster Session 1 (Tuesday, 26<sup>th</sup>): Posters may be set up after 11:00 a.m.

Poster Session 2 (Wednesday, 27<sup>th</sup>): Posters may be set up after 8:40 a.m.

Please remove your poster by 8:30 pm each day.

Drink and snacks will be provided during the poster sessions.

### **WiFi Service**

At Shiran Kaikan, only eduroam is available for free WiFi access.

We strongly recommend that you obtain your eduroam account in advance.

KTCC2026 will not provide any other WiFi connection.

### **Welcome drink:**

A welcome drink will be held at 2<sup>nd</sup> Floor Internation Hall at Clock Tower Centennial Hall, at 7:00 pm on Monday, May 25<sup>th</sup>. All participants are invited.

### **Group Photograph:**

A group photograph will be taken after the keynote talks at approximately 6:35 pm on Monday, May 25<sup>th</sup>. All participants are invited to gather on the 1<sup>st</sup> floor of Shiran Kaikan.

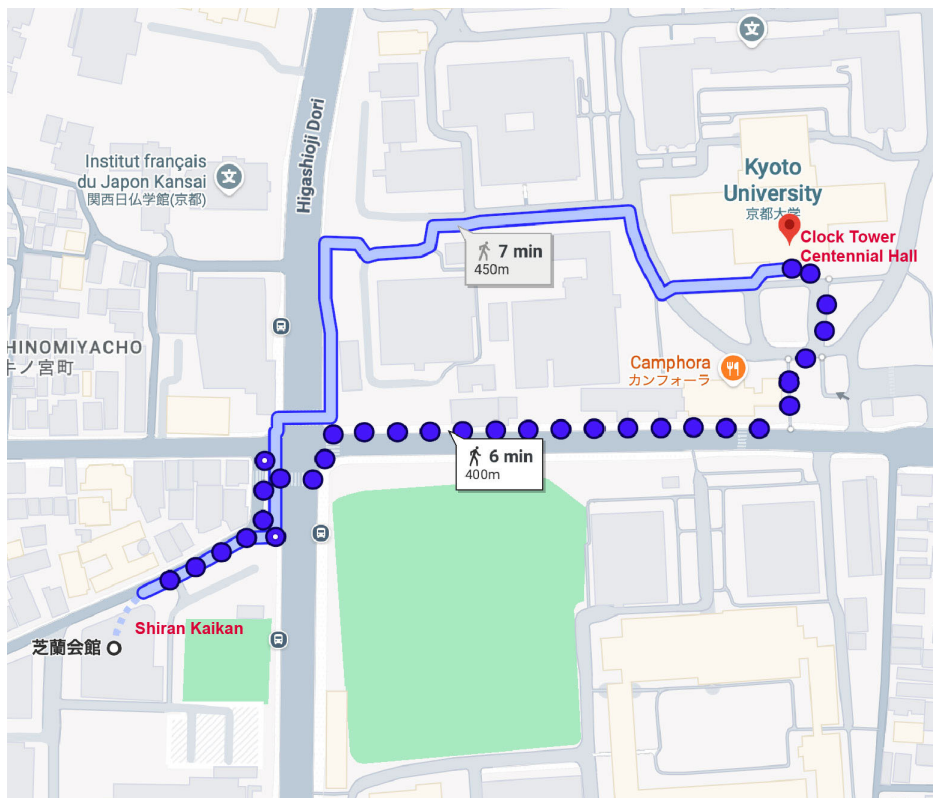
### **Optional tour and tour help desk**

After the sponsor talk on Thirdday, May 28<sup>th</sup>, there will be free time. Pre-registered optional tours will be provided by JTB Travel Agency. Participants may also visit the JTB Travel Help Desk to arrange their own sightseeing during the conference.

### **Banquet:**

All participants are invited to the banquet dinner, which will be held at 6:30 pm on Thursday, May 27<sup>th</sup> at The Room Gyoun, Hotel Okura Kyoto.

Walking direction to Clock Tower Centennial Hall for Welcome drink



## KTCC2026 at a glance

Monday 25 May		Tuesday 26 May	Wednesday 27 May	Thursday 28 May	Friday 29 May
8:40					8:40
9:00		<b>Session 1</b> (Chair: Y Takahama)	<b>Session 5</b> (Chair: M Kimura)	<b>Session 9</b> (Chair: S Hori)	<b>Session 11</b> (Chair: Y Agata)
10:00		Coffee	Coffee	Coffee	Coffee
11:00		<b>Session 2</b> (Chair: N Alves)	<b>Session 6</b> (Chair: E Rothenberg)	<b>Session 10</b> (Chair: T Yokosuka)	<b>Session 12</b> (Chair: K Moro)
12:00					
13:00		Lunch & Poster viewing	Lunch & Poster viewing	Lunch	Lunch
14:00				Sponsor talk	
15:00	Registration	<b>Session 3</b> (Chair: I Ohigashi)	<b>Session 7</b> (Chair: H Hosokawa)	Free Optional Tour	<b>Session 13</b> (Chair: H Ueno)
16:00	Opening remarks	Coffee	Coffee		Closing remarks
17:00	Keynote Lectures	<b>Session 4</b> (Chair: T Ikawa)	<b>Session 8</b> (Chair: W Ellmeier)		
18:00	Group Photo				
19:00	19:00 Welcome drink @ 2F Clock Tower Centennial Hall	Poster session 1	Poster session 2	18:30 Banquet dinner @ 4F Gyoum room Hotel Okura	
20:30		20:30	20:30		

## KTCC2026 program

### Monday 25<sup>th</sup> May

14:30 Registration open at *Shiran Kaikan*

#### Keynote lectures

16:00 – 16:15 Opening remarks by Ichiro Taniuchi

16:15 – 17:15 Thomas Boehm (Chaired by Ichiro Taniuchi)  
**Trajectories of vertebrate immune systems**

17:20 – 18:20 Shimon Sakaguchi (Chaired by Hiroshi Kawamoto)  
**Regulatory T cells: their development and function**

18:30 - Group Photo

19:00 Welcome drink at 2<sup>nd</sup> floor hall, Clock Tower Centennial Hall, Kyoto Univ.

## **Tuesday 26 May**

### **Session 1. Thymic epithelial cells (Chaired by Yousuke Takahama)**

- 08:40 – 09:00 Takeshi Nitta  
**Aberrant expansion of medullary thymic epithelial cells compromises both self-reactive and non-self-reactive T cells**
- 09:00 – 09:20 Juan Carlos Zúñiga-Pflücker  
**RNA-binding proteins Zfp36l1 and Zfp36l2 protect against premature thymic involution**
- 09:20 – 09:40 Nuno Alves  
**ZFP36 RNA-binding proteins cooperate in thymic epithelial cells to promote thymus function**
- 09:40 – 09:52 Michael Dandrea  
**Apoptotic control of thymic mimetic cells**
- 09:52 – 10:04 Kristin Rattay  
**Ehf and Fezf2 regulate thymic tissue homeostasis and thymic tuft cell development**

Coffee Break

### **Session 2. Thymic environment and autoimmune (Chaired by Nuno Alves)**

- 10:35 – 10:55 Mark Anderson  
**Autoimmune lipodystrophy: a clinical syndrome revealed through a defect in Aire and central tolerance**
- 10:55 – 11:15 Pärt Peterson  
**Aire controls thymic T1 IFN signaling and immune tolerance**
- 11:15 – 11:35 Taishin Akiyama  
**A sequential transcriptional relay for central tolerance in medullary thymic epithelial cells**
- 11:35 – 11:55 Matthieu Giraud  
**Cross-species thymic epithelial chromatin accessibility pinpoints HIVEP3 as a guardian of central tolerance**
- 11:55 – 12:07 Andri L Lemarquis  
**Thymic aging restricts T cell production through adipocyte niche expansion and AP-1 epigenetic remodeling of thymocytes**
- 12:07 – 12:19 Sungrim Seirin-Lee  
**Th1, Th2, and Regulatory T Cells Defines Autoimmune Stability and Endotypes in Alopecia Areata**

**Lunch & Poster viewing**

**Session 3. Antigen presentation in the Thymus** (chaired by Izumi Ohigashi)

- 14:00 – 14:20 Michael Robert Waterfield  
**Thymic alveolar type II epithelial mimetic cells revealed by Runx1-deficiency**
- 14:20 – 14:40 Yousuke Takahama  
**Characterization of beta5t-dependent MHC-I-associated thymic peptides**
- 14:40 – 15:00 Ann Griffith  
**Sustained thymic stromal FGF21 expression improves peripheral CD4+ and CD8+ T cell effector responses during aging**
- 15:00 – 15:20 Paola Bonfanti  
**Modelling the human postnatal thymus reveals stromal organisation shaping T cell development and immune ageing**
- 15:20 – 15:32 Giuseppe Sangiorgio  
**Modeling genetic thymus disorders with induced pluripotent stem cell-derived thymic epithelial progenitor cells and mesenchymal stem cells**

Coffee

**Session 4. Thymic environment and others** (chaired by Tomokatsu Ikawa)

- 16:00 – 16:20 Izumi Ohigashi  
**Ccl21a, rather than Ccl21b, is essential for thymocyte migration in mouse**
- 16:20 – 16:40 Daniel Gray  
**A tumor suppressor function for pro-survival BCL-2 proteins in the thymus**
- 16:40 – 17:00 Haopeng Wang  
**Mechanisms Underlying LAG3 Immune Checkpoint Function**
- 17:00 – 17:20 Lisa Reynolds  
**Eosinophils are not required for recovery of the thymus after pregnancy-induced thymic involution**
- 17:20 – 17:40 Shinichiro Sawa  
**A hierarchical Rorc( $\gamma$ t) cis-regulatory cascade orchestrates differentiation of ROR $\gamma$ t<sup>+</sup> innate immune cells**
- 17:40 – 17:52 Alexandra Kreins  
**Allogeneic thymus transplantation reveals chimeric thymic niches enabling immune reconstitution in congenital athymia**
- 17:52 – 18:04 David Machac  
**Safeguarding early-life microbiota: the role of stem-like Sca-1<sup>+</sup> ROR $\gamma$ t<sup>+</sup> Tregs**
- 18:04 – 18:16 Sina Zargarán  
**Oral bacterial dysbiosis drives autoimmune heart disease via molecular mimicry**
- 18:16 – 20:30 **Poster session-1**

## Wednesday 27 May

### Session 5. Early thymocyte differentiation (Chaired by Motoko Kimura)

- 8:40 – 9:00 Masaki Miyazaki  
**Single-cell Multiome analysis reveals T-lineage commitment instructed by an E2A-Notch1 feedback amplifier circuit during thymic ontogeny.**
- 9:00 – 9:20 Fotini Gounari  
**Tcf-1 integrates Runx1 and Satb1 to control developmental kinetics during thymic selection**
- 9:20 – 9:40 Ellen V. Rothenberg  
**Post-transcriptional regulation and dose dependent transcription factor actions control T-cell gene regulatory network dynamics**
- 9:40 – 9:52 Tsukasa Shigehiro  
**Identification and characterization of human T/NK-restricted progenitors during early T cell development.**
- 9:52 – 10:04 Yuichi Kama  
**Fluctuations in iron metabolism control the kinetics of T cell development via Bach transcription factors**

Coffee

### Session 6. Selection of thymocytes (Chaired by Ellen V. Rothenberg)

- 10:35 – 10:55 Remy Bosselut  
**A putative Bcl2l11 (Bim) cis-regulatory element promotes the deletion of self-reactive thymocytes.**
- 10:55 – 11:15 Hilde Cheroutre  
**The pre-TCR controls the self/ non-self T cell paradox**
- 11:15 – 11:35 Kieran James  
**Tonic IL4 signalling determines the maturity of post-selection thymocytes by controlling their intrathymic dwell time.**
- 11:35 – 11:55 Virginia Shapiro  
**HDAC3 enzymatic activity is not required for CD4 lineage development**
- 11:55 – 12:07 Ryunosuke Muro  
**Cis-regulatory elements for Zap70 expression in T cell fate decisions**
- 12:07 – 12:19 Mary Attaway  
**Ets1 supports negative selection by limiting CD8aa IEL differentiation**

**Lunch & Poster viewing**

**Session 7. Lineage selection** (Chaired by Hiroyuki Hosokawa)

- 14:00 – 14:20 Miho Shinzawa  
**Coreceptor sequestration explains why NKT cell development is signaled by FYN but not LCK**
- 14:20– 14:40 Tarik Moroy  
**RNA helicase DDX3X controls late thymic maturation of CD4<sup>+</sup> and CD8<sup>+</sup> T cells**
- 14:40– 15:00 Motoko Y Kimura  
**Fate-mapping reveals liver-resident neonatal T cells**
- 15:00– 15:20 Cara Brown  
**The  $\alpha\beta$  T and B cell lineages have multiple Impacts on  $\gamma\delta$  T cell subsets**
- 15:20– 15:32 Hailyn Nielsen  
**High BIM expression among SP8 thymocytes masks a latent FOXP3<sup>+</sup> regulatory fate**

Coffee

**Session 8. Epigenetic regulation** (Chaired by Wilfried Ellmeier)

- 16:00– 16:20 Frank JT Staal  
**The epigenetic reader MORC3 is required for T cell development in the thymus**
- 16:20– 16:40 Andreas Krueger  
**Multi-level control of thymic selection by microRNA**
- 16:40– 17:00 Lena Boehme  
**Effector identity and tissue tropism of human postnatal non-V $\gamma$ 9V $\delta$ 2  $\gamma\delta$  T cells are established during intrathymic development**
- 17:00– 17:20 Taras Kreslavsky  
**Non-clonotypic interaction of V $\delta$ 7 TCRs with IL17 receptor A chain drives The differentiation of Th1-like  $\gamma\delta$ T cells**
- 17:20– 17:40 Khashayarsha Khazaie  
**CLOCK is an epigenetic integrator of circadian rhythm and T cell immunity**
- 17:40– 17:52 Shiyun Xiao  
**Extrinsic factors significantly influence thymus development in fetal Thymus-Kidney transplantation**
- 17:52– 18:04 Ulus Atasoy  
**Conditional ablation of HuR in different CD4<sup>+</sup> lineages alters cell fate and outcomes by controlling transcription factor mRNA stabilization**
- 18:04– 18:16 Ioannis Sarropoulos  
**Decoding gene regulation in the human thymus**
- 18:16 – 20:30 **Poster session-2**

## Thursday 28<sup>th</sup> May

### Session 9. Regulatory T cells and autoimmune (Chaired by Shohei Hori)

- 08:40 – 09:00      Ryuichi Murakami  
**Dynamic and direct regulation of Treg cis-regulatory programs by Foxp3**
- 09:00 – 09:20      Yungling Leo Lee  
**AhR-Dependent Epigenetic Programming of CCR6 Drives Regulatory T Cell Migration to the Skin**
- 09:20 – 9:40        Shunsuke Mori  
**Discrimination of Self and Neoself Antigens by T Cells in Immune Homeostasis**
- 09:40 – 10:00      Eliisa Kekäläinen  
**Reduced AIRE<sup>+</sup> Thymic Epithelial Cells and Follicular T-Cell Imbalance in Early-Onset Myasthenia Gravis**
- 10:00 – 10:12      Shunsuke Chikuma  
**Roles of TRIM28 in Cancer-Associated effector Treg Function**

Coffee

### Session 10. Effector T cells (Chaired by Tadashi Yokosuka)

- 10:40 – 11:00      Jung-Hyun Park  
**CD4 coreceptor expression defines functionally divergent subsets of thymic iNKT cells**
- 11:00 – 11:20      Barbara Kee  
**Development and function of specified thymic iNKT1 cells critically depend on an Ets1-Tbet transcription factor network**
- 11:20 – 11:40      Wilfried Ellmeier  
**A Multi-Omics View on Protein Acetylation Networks in Th Cells**
- 11:40 – 11:52      Shlomit Reich-Zeliger  
**Spatial stochasticity in lymph node microdomains optimizes host protection and enforces self-tolerance**
- 11:52 – 12:04      Makoto Ando  
**Context-dependent regulation of CAR T cell function and fitness by fatty acids**
- 12:04 – 12:16      Emma Lederer  
**Maternal antibodies influence T cell selection against gut commensals**

Lunch

13:00– 13:40

13:40 – 13:55

**Sponsor talk by Collecta, Inc.**

Alex Chenchik, Ph.D., President and Chief Scientific Officer  
**Integrated Immune Profiling for Rapid Antigen-Specific Clonotype  
Discovery**

**Free and optional tours**

18:30 – 21:30 **Banquet dinner @ 4F Room Gyoun, Hotel Okura**

## **Friday 29<sup>th</sup> May**

### **Session 11. T cells in tissues (Chaired by Yasutoshi Agata)**

- 08:40 – 09:00 Yusuke Endo  
**The novel function of lipid flux on ROR $\gamma$ t-mediated Th17 cell pathogenicity**
- 09:00 – 09:20 Nathalie Labrecque  
**The deubiquitinase BAP1 controls CD8<sup>+</sup> T cell expansion**
- 09:20 – 09:40 Dorina Avram  
**Transcriptional and Epigenetic Control of CD8<sup>+</sup> Tumor Infiltrating Lymphocytes and opportunities for improvement by reprogramming**
- 09:40 – 09:52 Yusuke Takeuchi  
**Tissue-restricted secondary TCR engagement drives pathogenic diversification of arthritogenic Th17 cells in autoimmune arthritis**
- 09:52 – 10:04 Chun-Hsi Su  
**The tyrosine phosphatases PTPN1 and PTPN2 limit CD8 T cell differentiation and function in chronic LCMV infection and cancer**

Coffee

### **Session 12. Ageing and T cells (Chaired by Kazuyo Moro)**

- 10:35 – 10:55 Nicole L La Gruta  
**Granzyme K mediates age-related tissue remodeling and functional decline independently of immune aging**
- 10:55 – 11:15 Wan-Lin Lo  
**Age-Tuned T Cell Signaling in Establishing Tolerance**
- 11:15 – 11:35 Janko Z. Nikolich  
**Collapse of LN stromal structures with aging: metabolic and cross-talk aspects**
- 11:35 – 11:55 Andreas Tarceviski  
**Spatial multiomics analysis of thymic ageing reveals changes in microenvironmental organization impacting T cell selection**
- 11:55 – 12:07 You Jeong Lee  
**AP-1 and RUNX2 regulons drive the differentiation of cytotoxic resident memory T cells in alopecia areata**
- 12:07 – 12:19 Yosuke Nagahata  
**Evolutionary history of blood cells is reciprocally carved in hematopoiesis**

**Lunch**

**Session 13. Clinical applications** (Chaired by Hideki Ueno)

- 13:30 – 13:50 Benedict Seddon  
**Contrasting roles for IKK regulated inflammatory signalling pathways in the development and maintenance of different non-conventional T cell populations**
- 13:50 – 14:10 Yoko Hamazaki  
**Lineage-Biased Induction of TEC Subsets in a Fully in vitro Human iPSC-Based TEC Differentiation Platform**
- 14:10 – 14:30 Taisuke Kondo  
**Arginine Rewires eIF4F Translation Initiation to Overcome Fever-Induced CAR T-Cell Dysfunction**
- 14:30 – 14:50 Hiroshi Kawamoto  
**Development of universal off-the-shelf T cells regenerated from pluripotent stem cells for the treatment of COVID-19**
- 14:50 – 15:10 Osamu Takeuchi  
**Immune regulation via the control of mRNA decay**
- 15:15 Closing remarks by Ichiro Taniuchi

Tuesday May 26<sup>th</sup>

**Poster session -1**

- P1. Yong Jiang  
**Ubiquitination acts as a molecular switch to activate LAG3 signaling**
- P2. Rebecca A. Jaeger  
**Refining the role of IRF4 in the function of regulatory T cells**
- P3. Iquo Oyohosuo Phillip  
**Aryl Hydrocarbon Receptor (AhR)-mediated mitochondrial metabolic reprogramming in regulatory T cell fate determination**
- P4. Elizabeth Mills  
**Molecular determinants linking Trisomy 21 to impaired thymopoiesis in individuals with Down Syndrome**
- P5. Margarida Paulo-Pedro, Beatriz Moleirinho  
**Human Congenital Athymia due to FOXP1 Mutation: From Newborn Aberrant T Cells to the Adulthood Outcomes of Thymic Transplantation**
- P6. Margarida Paulo-Pedro  
**Thymectomy in Early Infancy Imprints a Signature of CD4 T Cell Resilience in Adulthood**
- P7. Beatriz Moleirinho  
**Learning with the Human MHC Class-II Deficiency**
- P8. Reiko Hidaka  
**Two conserved E-box motifs in the Rag1 promoter serve as a molecular switch for V(D)J recombination of TCR and IgH genes.**
- P9. Kewei Ye  
**Non-clonotypic interaction of V $\delta$ 7 TCRs with IL17 receptor A chain drives the differentiation of TH1-like  $\gamma\delta$ T cells**
- P10. Yongjun Koh  
**Cartilaginous fish thymus cell atlas illuminates the origin of vertebrate T cell lineages**
- P11. Francesca Pala  
**TSLP Compensates for IL-7 Deficiency in Human T Cell Development**
- P12. Joshua Fialho  
**Investigation of SARS-CoV-2 Nucleocapsid specific T cell memory and its potential cross-reactivity with self and microbial epitopes**
- P13. Hsiu-Han Fa  
**Thymic macrophages orchestrate iron recycling to fuel T cell development through Ferroportin**
- P14. Masaki Fujishiro  
**Investigation of a gene regulating T cell activation in a ulcerative colitis mouse model**
- P15. Anssi Kesäläinen  
**Childhood mortality and morbidity following thymectomy in pediatric cardiac surgery**

- P16. Hui Kuei Cheng  
**Single-Cell Multiomic Profiling of Human  $\gamma\delta$  T Cell Differentiation to Study Developmental Trajectories of V $\delta$ 1 vs. V $\delta$ 2  $\gamma\delta$  T cells**
- P17. Yu Chien Ma  
**Mechanisms of Maintaining Thymic Macrophages to Promote T Cell Tolerance**
- P18. Andrea Maione  
**Enhancing the Artificial Thymic Organoid for the generation of antigen- specific regulatory T cells to treat autoimmune diseases**
- P19. Eli Benuck  
**Spatial mapping of thymocyte development and thymic support cells with single-cell resolution**
- P20. Ren-In You  
**Regional Oral Tolerance Induction via a Peptide–Nanoparticle Vaccine Reprograms the Follicular Immune Microenvironment**
- P21. Gloria Magro  
**Decoding RAG variant pathogenicity through integrated functional, structural, and metabolomics analysis**
- P22. Hirohito Ishigaki  
**CD4 CD8 double positive T cells could be developed from CD4 single positive T cells in the presence of IL-7 and IL-6 in vitro.**
- P23. Seiji Nagano  
**Generation of CTLs from iPSCs transduced with TCR genes: development of “TCR cassette” method**
- P24. Camille Kergaravat  
**Human thymopoiesis is genetically shaped by a polymorphism at the TRA–TRD locus**
- P25. Martijn Cordes  
**The Human Thymus is a Niche for Specialized B Cell Differentiation**
- P26. Masashi Kanayama  
**Identification and characterization of lymphoid-derived cDCs**
- P27. Chia-Yin Lee  
**The roles of type I and type III interferons in thymic macrophage function and T cell tolerance**
- P28. Yuji Nishimura  
**Regulatory T cells show differential therapeutic effects in chronic autoimmune conditions depending on target tissue**
- P29. Tal Givony  
**Transcriptional and Spatial Remodeling of Thymic B Cells in Aged and Mimetic Deficient Thymus**
- P30. Ondrej Ballek  
**Interplay of cytoskeleton and membrane morphology during formation of immunology synapse**
- P31. Dominique M. Gatti  
**Eosinophil-deficient mice have a lower abundance of the FoxP3<sup>lo</sup> precursor and regulatory T cells in the thymus during early life**

- P32. Laura I. Gonzalez  
**Humanized DRAGA mouse recapitulates human T-cell differentiation in the mouse thymus with HLA-matched donors**
- P33. Nanako Yasujima  
**Regulation of lung tissue-resident Treg cells and TCR specificity by CD69**
- P34. Anja Kusch  
**Regeneration of thymic immunity using thymopoietics**
- P35. Oahida Akter  
**Cross-reactive immune responses of seasonal coronavirus infection against SARS-CoV-2 in cynomolgus macaques**
- P36. Chang-Chi Hsieh  
**Carnosine Attenuates Allergic Inflammation and Promotes Hair Follicle Regeneration in OVA-TNCB Induced Murine Model of Atopic Dermatitis**
- P37. Zhizhen Qin  
**Unraveling relevance of phosphorylation on multiple tyrosine residues in Runx1 during thymocyte differentiation**
- P38. Yu-Chen Liu  
**Deep characterization of T cell receptor repertoires in elderly atomic-bomb survivors**
- P39. Tomoyoshi Yamano  
**A role of extracellular vesicles in T cell development**
- P40. Nicole Renée van Bockhooven  
**Generating Thymic Epithelial Cells from iPSCs through Directed Differentiation and Overexpression of FOXP1**
- P41. Hung Hiep Huynh  
**Lipid nanoparticle-based mRNA: a potent vaccine with unconventional immune responses**
- P42. Eri Ishikawa  
**Protein kinase D-Ikaros axis couples invariant TCR to iNKT cell development**
- P43. Elise Helena Armulik  
**The role of TLR pathways in murine thymic cell development**
- P44. Corrine Ying Xuan Chua  
**A Bioengineered Lymphoid Platform for In Situ Programming of Antigen-Specific Cytotoxic and Regulatory T Cells**
- P45. Igor Bychkov  
**The role of E protein control of TCF1 in  $\gamma\delta$  T cell development**
- P46. Jiangyuan Li  
**Investigating Sex Differences in the CD4 lineage T Cell Development within the Human Neonatal Thymus**

Wednesday May 27<sup>th</sup>

**Poster session-2**

P47. Martti Laan

**Alopecic Skin Escapes Neutralizing Anti-Interferon Autoantibody–Mediated Suppression in Aire-Deficient Rats**

P48. Daehong Kim

**Longitudinal serum proteomic states tract T-cell reconstitution and reveal early “GvHD- like” immune activation after pediatric hematopoietic stem cell transplantation**

P49. Jan Kranich

**In vivo mapping of extracellular vesicle binding reveals B cell-T cell crosstalk**

P50. Monica Prechtl

**Plasmacytoid DCs Deliver Extracellular Vesicle Antigens to the Thymus to Induce T Cell Tolerance**

P51. Charleen Plaisse

**Engineering Off-the-Shelf CD8<sup>+</sup> Regulatory T Cells from Hypoimmunogenic iPSCs**

P52. Marita Bosticardo

**Characterization of human thymus microenvironment in patients with Trisomy 21**

P53. Hayley Michelle Raquer

**A Thymic Organoid Screening Platform to Identify Drivers of Age-Related Thymic Involution**

P54. Di Zheng

**Purification of early CD5<sup>+</sup>CD7<sup>+</sup> subset improves the fitness of iPSC-derived T cells**

P55. Xin Gao

**B cell targeting parasite capture spatially linked antigen to secure T cell help**

P56. Toshio Kanno

**Suppression of monounsaturated fatty acid biosynthesis triggers STING Activation via self-genomic DNA**

P57. Reiko Tsukazaki

**A platelet-specific self-antigen drives differentiation of effector-memory regulatory T cells expressing public TCR clonotypes**

P58. Pei-Yuan Tsai

**To investigate the role of glutamate transporter SLC1A3 in resident thymic macrophages and neuro-immune regulation in the thymus**

P59. Emel Kökrek

**Integrative Analysis of Aging-Associated Chromatin Accessibility in Foxp3-Organized Regulatory T Cell Programs**

P60. Kevin Julio Wijanarko

**iPSC-derived V $\gamma$ 9 $\delta$ 2 T-cells: an Exploratory Platform**

P61. Huai Hui Wong

**Investigating the association between immunosenescence and long COVID**

- P62. Ottavia Maria Delmonte  
**Multomic dissection of T cell abnormalities in STAT1GOF and STAT3DN diseases**
- P63. Alexander S Baker  
**3D suspension-based differentiation of Thymic Epithelial Cells from Pluripotent Stem Cells**
- P64. Kevin Ly  
**Recent Thymic Emigrants Promote Early Life Tolerance Towards Skin Commensals**
- P65. Brendan W MacNabb  
**Gata3 dose is a key regulator of fetal/adult differences in T-cell development**
- P66. Masao Itahara  
**Prevention of NK cell-mediated rejection by using mAbs for inhibitory receptors of NK cells**
- P67. Tomohiro Kashikawa  
**Role of Ambra1 in Metabolic Control of Adipose Tissue**
- P68. Sarah M Russell  
**Controlling beta-selection fate in the thymus**
- P69. Manu Singh  
**Expanded T cell clones with lymphoma driver somatic mutations accumulate in refractory celiac disease**
- P70. Cheng-Yu Tsai  
**Environmental Metabolite-Driven Epigenomic Remodelling: From Mechanistic Discovery to Clinical Validation in Psoriasis Skin**
- P71. Moeri Tsubaru  
**Identification of a tissue-specific Treg TCR clonotype critical for tissue-specific immune tolerance**
- P72. Nasren Eiza  
**BCL11B–NuRD Interaction Acts as a Molecular Switch Between T-Cell and ILC2 Fates in Human thymopoiesis**
- P73. Yichun Sun  
**Human ICOSL Deficiency Drives Aberrant Treg Development: A Novel Mechanism For Refractory Viral Infections**
- P74. Clara Cretet-Rodeschini  
**Regulatory T cells in tracheal regeneration following transplantation of a cryopreserved aortic graft**
- P75. Sayumi Fujimori  
**Wnt/ $\beta$ -catenin reporter activity varies across thymic epithelial cell subpopulations during thymus development**
- P76. Brian Evavold  
**What's the catch? TCR catch bonds in T cell activation**
- P77. Xian Liu  
**IL-6 family cytokine signaling constrains cortical TEC expansion and thymic output**

- P78. Nelli Heikkilä  
**Exploring the blood-thymus barrier in human thymic organ culture**
- P79. Immo Prinz  
**Mapping TCR microrepertoires and clonal selection trajectories in the human thymus using a multiplex in situ hybridization panel including probes for TRAV, TRBV, TRGV, and TRDV**
- P80. Matous Voborli  
**Thymic myeloid cells are heterogeneous and include a novel population of transitional dendritic cells**
- P81. Mehri Hajiaghayi  
**Decoding T Cell Receptor–Antigen Recognition with Non-Viral CRISPR/Cas9- Mediated Gene Editing of Human T Cells using Plasmid Donor DNA**
- P82. Susannah Claire Shissler  
**Foxn1 lineage tracing reveals mTEC are maintained by a long-lived, multipotent progenitor**
- P83. Tadashi Yokosuka  
**Cooperative signaling of endogenous TCRs and CARs enhances tumoricidal activity of CAR-T cells via CAR-TCR microclusters**
- P84. Ei Wakamatsu  
**Efficient inhibition of DNAM-1 clustering via sequestering CD155 from DNAM-1-TCR microclusters by CD96 with height**
- P85. Anastasia Kousa  
**Adipocyte-derived leptin fragments human thymopoiesis**
- P86. Dhanesh Patel  
**Systemic viral infection disrupts tonic self-ligand signaling and depletes the naive T cell pool**
- P87. Yumi Kanemaru  
**A stem cell hierarchy maintains long-lived Treg responses**
- P88. Shinya Sakaguchi  
**HDAC1 controls the generation and maintenance of effector-like CD8<sup>+</sup> T cells during chronic viral infection**
- P89. Anchi Chang  
**Tcf-1 coordinates Runx1 and Satb1 to regulate thymic T cell selection**
- P90. Sheila I Alizadeh  
**Understanding CD4 and CD8 T Cell Development through Epigenetic Analysis**
- P91. Letitia Yang  
**Unique and dose-dependent regulation of self-reactive thymocytes by nuclear receptors Nr4a1 and Nr4a3**
- P92. Abhik Dutta  
**Understanding the role of  $\gamma\delta$ T cells in UV-induced melanocyte stem cell**
- P93. Sam Willemsen  
**Human thymic epithelial organoids derived from postnatal thymic tissue to investigate in vitro T cell and thymus epithelial cell development**