

Oral program

MONDAY, November 18

- 16:00–16:10 **Opening Remarks**
Tom Suzuki (University of Tokyo)
- 16:10–16:50 **Keynote Lecture 1**
Chair: Osamu Nureki (University of Tokyo)
- K-1 Yuki Yokoyama (Institute of Science Tokyo)
- 16:50–17:30 **Session 1: Aminoacyl-tRNA Synthetases and Beyond**
Chair: Hubert Dominique Becker (University of Strasbourg)
- O-1-1 Michael Ibba (Chapman University)
- O-1-2 Hubert Dominique Becker (University of Strasbourg)
- 17:30–17:40 *Break 10 min*
- 17:40–19:00 (continued)
- O-1-3 Xiang-Lei Yang (The Scripps Research Institute)
- O-1-4 Susan A. Martinis (University of Illinois Urbana-Champaign)
- O-1-5 Karin Musier-Forsyth (Ohio State University)
- O-1-6 Sunghoon Kim (Yonsei University)
- 19:00–21:00 *Dinner*

TUESDAY, November 19

- 08:15–09:15 **Morning Seminar 1 sponsored by Oxford Nanopore Technologies**
Chair: Libby Snell (Oxford Nanopore Technologies)
- M-1-1 Libby Snell (Oxford Nanopore Technologies)

M-1-2	Tom Suzuki (University of Tokyo)
M-1-3	Miten Jain (Northeastern University)
09:15–09:30	<i>Break 15 min</i>
09:30–10:50	Session 2: tRNA Omics: Sequencing and Bioinformatics <i>Chair:</i> Mark Akeson (University of California Santa Cruz)
O-2-1	Laura K. White (University of Colorado School of Medicine)
O-2-2	Ann E. Ehrenhofer-Murray (Humboldt-Universität zu Berlin)
O-2-3	Ru-Juan Liu (ShanghaiTech University)
O-2-4	Eva Maria Novoa (Barcelona Institute of Science and Technology)
10:50–11:15	<i>Coffee 25 min</i>
11:15–12:35	Session 3: Engineering tRNAs for Experimental Platform <i>Chair:</i> Hirohide Saito (University of Tokyo)
O-3-1	Takayuki Katoh (University of Tokyo)
O-3-2	Jesse Rinehart (Yale University)
O-3-3	Natalie Krahn (University of Georgia)
O-3-4	Joseph Daniel Puglisi (Stanford University)
12:35–14:05	<i>Lunch</i>
14:05–15:25	Session 4: tRNA and Disease I: Mechanistic Insight <i>Chair:</i> Zoya Ignatova (University of Hamburg)
O-4-1	Michaela Frye (DKFZ)
O-4-2	Paul Fox (Cleveland Clinic)
O-4-3	Ian Willis (Albert Einstein College of Medicine)
O-4-4	Richard I. Gregory (Boston Children's Hospital)
15:25–15:45	<i>Coffee 20 min</i>

15:45–17:45 **Session 5: tRNA modification I: Enzymes, Mechanisms, and Evolutionary Perspectives**

Chair: Eric M. Phizicky (University of Rochester)

- O-5-1 Tohru Yoshihisa (University of Hyogo)
- O-5-2 Frédéric J. Barras (Institut Pasteur)
- O-5-3 Djemel Hamdane (University of Sorbonne)
- O-5-4 Lluís Ribas de Pouplana (IRB Barcelona)
- O-5-5 Todd M. Lowe (University of California Santa Cruz)
- O-5-6 Valérie de Crécy-Lagard (University of Florida)

17:45–17:50 *Break 5 min*

17:50–18:35 **Flash Talks 1**

Chair: Shinichiro Akichika (University of Tokyo)

- F-1-1 Michihiro Nishimura (University of Tokyo)
- F-1-2 Alexander Hammermeister (Jagiellonian University)
- F-1-3 Sheila M. Peeples (University of Michigan)
- F-1-4 Sherif Rashad (Tohoku University)
- F-1-5 Martin Peter Edelman (ETH Zurich)
- F-1-6 Kiroo Shin (Gwangju Institute of Science and Technology)
- F-1-7 Takeshi Chujo (Kumamoto University)
- F-1-8 Xibing Xu (Université de Toulouse, CBI-CNRS)
- F-1-9 Yury Polikanov (University of Illinois Chicago)

18:35–20:00 *Dinner*

20:00–22:50 **Poster Session 1 odd numbers**

WEDNESDAY, November 20

Main hall

- 08:15–08:55 **Morning Seminar 2 sponsored by Alltrna**
- M-2 Caroline Köhrer (Alltrna Inc.)

Seminar room in 3rd floor in the conference building

08:15–09:00 Tutorial Session

Todd M. Lowe (University of California Santa Cruz)

08:55–09:10 *Break 15 min*

09:10–10:50 Session 6: tRNA and Disease II: Therapeutic Strategy

Chair: Richard I. Gregory (Boston Children's Hospital)

O-6-1 Peter Dedon (Massachusetts Institute of Technology)

O-6-2 Ilka U. Heinemann (The University of Western Ontario)

O-6-3 Patrick O'Donoghue (The University of Western Ontario)

O-6-4 Babak Javid (UCSF)

O-6-5 Zoya Ignatova (University of Hamburg)

10:50–11:15 *Coffee 25 min*

11:15–12:35 Session 7: tRNA Stability and Quality Control

Chair: Anita K. Hopper (Ohio State University)

O-7-1 Rajan Sankaranarayanan (CSIR-Centre for Cellular and Molecular Biology)

O-7-2 Oscar Vargas-Rodriguez (University of Connecticut School of Medicine)

O-7-3 Hiroyuki Hori (Ehime University)

O-7-4 Eric M. Phizicky (University of Rochester)

12:35–14:05 *Lunch*

14:05–15:45 Session 8: Organellar tRNAs: Processing, Evolution, and Functional Implications

Chair: Satoshi Kimura (Cornell University)

O-8-1 Ya-Ming Hou (Thomas Jefferson University)

O-8-2 Philippe Giegé (IBMP-CNRS, University of Strasbourg)

O-8-3 Xiao-Long Zhou (Chinese Academy of Sciences)

O-8-4	Laurence Drouard (IBMP-CNRS)
O-8-5	Nina Entelis (CNRS, University of Strasbourg)
15:45–16:05	<i>Coffee 20 min</i>
16:05–17:45	Session 9: tRNA Processing, Splicing and Maturation -Sidney Altman Endowment Session- <i>Chair:</i> Jinwei Zhang (National Institutes of Health)
O-9-1	Akio Kanai (Keio University)
O-9-2	David M. Garcia (University of Oregon)
O-9-3	Martin Hällberg (Karolinska Institutet)
O-9-4	Stewart Shuman (Memorial Sloan Kettering Cancer Center)
O-9-5	Anita K. Hopper (Ohio State University)
17:45–17:50	<i>Break 5 min</i>
17:50–18:35	Flash talks 2 <i>Chair:</i> Shinichiro Akichika (University of Tokyo)
F-2-1	Yang Gao (Max Planck Institute of Molecular Plant Physiology)
F-2-2	Ryo Noguchi (University of Tokyo)
F-2-3	Tatsuaki Kurata (RIKEN)
F-2-4	Anindhya S. Das (Brown University)
F-2-5	Aleksandar Radakovic (University of Chicago)
F-2-6	Andrés Palencia (Institute for Advanced Biosciences)
F-2-7	Hui Chen (Zhejiang University)
F-2-8	Mirka Lampi (University of Helsinki)
F-2-9	Béatrice Golinelli-Pimpaneau (CNRS, Collège de France, Sorbonne Université)
18:35–20:00	<i>Dinner</i>
20:00–22:50	Poster Session 2 <u>even numbers</u>

THURSDAY, November 21

08:15–10:15

Session 10: tRNA Fragments in Cellular Regulation

Chair: Yasutoshi Akiyama (Tohoku University)

- O-10-1 Pavel Ivanov (Brigham and Women's Hospital, Harvard Medical School)
- O-10-2 Yohei Kirino (Thomas Jefferson University)
- O-10-3 Matthias Ronald Schaefer (Medical University of Vienna)
- O-10-4 Qi Chen (University of Utah)
- O-10-5 Upasna Sharma (University of California Santa Cruz)
- O-10-6 Norbert Polacek (University of Bern)

10:15–10:30

Coffee 15 min

10:30–11:10

Session 11: Hidden Function of tRNA Binding Protein

Chair: Tom Suzuki (University of Tokyo)

- O-11-1 Juan D. Alfonzo (Brown University)
- O-11-2 Jinwei Zhang (National Institutes of Health)

11:10–18:00

Excursion

FRIDAY, November 22

08:30–10:30

Session 12: tRNA Modification II: Functional Implications in Cellular Processes

Chair: Juan D. Alfonzo (Brown University)

- O-12-1 Sebastian Andreas Leidel (University of Bern)
- O-12-2 Kristin S. Koutmou (University of Michigan)
- O-12-3 Stefano Marzi (IBMC, CNRS, University of Strasbourg)
- O-12-4 Carine Tisné (CNRS, IBPC)
- O-12-5 Sebastian Glatt (Jagiellonian University Krakow)
- O-12-6 Tao Pan (University of Chicago)

10:30–10:55	<i>Coffee 25 min</i>
10:55–12:05	Session 13: tRNA in Translation I <i>Chair:</i> Sebastian Andreas Leidel (University of Bern)
O-13-1	Marina Rodnina (Max Planck Institute for Multidisciplinary Sciences)
O-13-2	Leoš Shivaya Valášek (Institute of Microbiology of the Czech Academy of Sciences)
O-13-3	Julius Lukeš (Czech Academy of Sciences, University of South Bohemia)
12:05–13:35	<i>Lunch</i>
13:35–15:35	Session 14: tRNA and Cellular Stress <i>Chair:</i> Xiang-Lei Yang (The Scripps Research Institute)
O-14-1	Mark Helm (Johannes Gutenberg-University Mainz)
O-14-2	Jane E. Jackman (Ohio State University)
O-14-3	Yi Zhang (Case Western Reserve University)
O-14-4	Constantinos Stathopoulos (University of Patras)
O-14-5	Kozo Tomita (University of Tokyo)
O-14-6	Fan-Yan Wei (Tohoku University)
15:35–16:00	<i>Coffee 25 min</i>
16:00–16:40	Session 15: tRNA in Translation II <i>Chair:</i> Takuhiro Ito (RIKEN)
O-15-1	Umesh Varshney (Indian Institute of Science)
O-15-2	Stephanie Moon (University of Michigan)
16:40–16:50	<i>Break 10 min</i>
16:50–17:30	Keynote Lecture 2 <i>Chair:</i> Hiroaki Suga (University of Tokyo)
K-2	Eric Westhof (University of Strasbourg)

17:30–17:40	Closing remarks and award ceremony
17:40–17:45	Announcement of the 30th tRNA conference Constantinos Stathopoulos (University of Patras) and Jinwei Zhang (National Institutes of Health)
17:45–17:50	Announcement of AARS2025 meeting Lluís Ribas de Pouplana (IRB Barcelona)
19:30–22:30	<i>Gala Dinner</i>