

# SATELLITE SYMPOSIUM PROGRAM

## Fish Reproduction in the 21st Century: Progress and Possibilities

**A Two-Day Satellite Symposium of the 19th International Congress of Comparative Endocrinology (ICCE19)**

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**DATES:** 13-15 July, 2025

**VENUE:** Shiki Hall auditorium, Kyushu University, Fukuoka

**WEBSITE:** <https://www.agr.kyushu-u.ac.jp/abric/symposium20250713/>

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### SYMPOSIUM OVERVIEW

This two-day event, held as a satellite symposium of the 19th International Congress of Comparative Endocrinology (ICCE19), focuses on bringing together specialists in fish reproductive biology and related disciplines. The Department of Bioresource and Bioenvironmental Sciences at Kyushu University is pleased to welcome researchers, academics, industry professionals and graduate students to this unique platform, which is dedicated to advancing our understanding of fish reproduction within contemporary scientific contexts.

Building upon the broader themes of ICCE19, the symposium will focus on recent breakthroughs and emerging technologies for understanding and managing fish reproduction in changing global environments, as well as future directions in this field. The 21st century has seen remarkable advancements in our understanding of fish reproductive biology, from molecular mechanisms to ecosystem-level influences.

This specialized forum aims to bridge the gap between fundamental research and practical applications by addressing urgent challenges in sustainable aquaculture, conservation biology and fisheries management. Participants will gain insights into how climate change, habitat degradation, and novel biotechnologies are reshaping our approaches to fish reproduction. The focus will be on the revolutionary potential of genome editing technologies to improve the reproductive efficiency and resilience of fish species. This could help to solve the problem of global food security in the face of growing population demands and environmental uncertainties.

The symposium will emphasize interdisciplinary collaborations that integrate genomics, epigenetics, endocrinology, behavior, and ecological perspectives to develop innovative solutions for enhancing reproductive success in captive and wild fish populations. The symposium will explore how advances in fish reproductive science can create sustainable pathways to strengthen aquatic food systems, support nutritional security, and maintain biodiversity.

Taking place alongside the main ICCE19 program, this satellite symposium provides an intimate setting for in-depth discussions and networking opportunities for fish reproduction specialists.

Join distinguished experts and emerging researchers at this dynamic forum, which is designed to foster meaningful dialogue and establish new research partnerships. Together, we can shape the future of fish reproduction science over the next decade and address some of the most pressing challenges facing humanity.

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## **SCHEDULE**

### **13<sup>th</sup> July**

14.00-14.20: Inauguration and opening remarks

14.20-14.30 ABRIC introduction

**14.30-15.30: Genetics to epigenetics in fish reproduction**

14.30- Yukiko Ogino

15.00- Masatoshi Nakamoto

15.30-16.00 Coffee Chitchat

**16.00-17.30: Hormones to pheromones in fish reproduction**

16.00- Yong Zhu

16.30- Wataru Kawamura

17.00- Shigeho Ijiri

**19.00:** Symposium dinner

### **14<sup>th</sup> July**

**9.00- 11.30: Endocrine control in fish reproduction**

9:00- Deshou Wang

9:30- Adelino Canário

10:00-10:30: Coffee Chitchat

10.30- Kataaki Okubo

11.00- Ching-Fong Chang

11.30-12.30 - Lunch

12:30-13:30- Poster presentation

**13.30- 15.50: Past to future; a perspective of the global context in vertebrate reproduction**

13.30- Taisen Iguchi

14.10- Ken-Ichirou Morohashi

14.50- Peter Thomas

## **15.50-** Closing remarks

### **15<sup>th</sup> July**

Visit to Marine fish breeding facility (Karatsu), Optional

09:00- Pick up (Glocal hotel)

09:20- Pick up (Kyudai Gakkentoshi train station)

10:30- Karatsu satellite Marine fish breeding facility

12:30- Lunch (Farmer's market)

15:00- Arrival Fukuoka Airport

## **CONTACT INFORMATION**

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**Information related to poster preparation:**

- The usable size of poster board is 210 cm height x 90 cm width (82.6 x 35.4 inches).
- Please include Title, Author Name(s), and Affiliation(s) in the upper portion of the poster.
- Posters should be placed on their corresponding board on Sunday July 13.
- Pins for setting posters and tags for presenters will be provided in the poster room.
- Please note that poster number will be displayed at the top of each poster panel.
- We kindly ask you to prepare your presentation material in a manner that does not obscure this sheet.