

Thursday, October 19 (Day 1)

9:00-10:00 Registration

10:00-10:10 Welcoming Address by Carina Hanashima

Session 1: Twisting the Patterns

Chair: Carina Hanashima

10:10-10:40 S1-1
How to break the vertebrate body plan: implications from the goldfish evodevo
Kinya G. Ota (Academia Sinica, Taiwan)

10:40-11:00 S1-2*
Using quail-duck chimeras to reveal developmental mechanisms linking form and function during jaw evolution
Richard Schneider (University of California at San Francisco, USA)

11:00-11:30 S1-3
"My what big feet you have!" Scaling skeletal proportion during limb development and evolution
Kimberly Cooper (University of California San Diego, USA)

11:30-12:00 *Coffee Break*

Session 2: Evolution and Development

Chair: Hidehiko Inomata

12:00-12:30 S2-1
Turtle, the vertebrate with a novel musculoskeletal pattern
Shigeru Kuratani (Evolutionary Morphology Laboratory, RIKEN, Japan)

12:30-13:00 S2-2
Molecular embryology of bats
Richard R. Behringer (University of Texas MD Anderson Cancer Center, USA)

*Selected Talks

13:00-14:00 *Lunch*

14:00-15:30 **Poster Session**
 14:00-14:45 Odd-numbered posters
 14:45-15:30 Even-numbered posters

Session 2: Evolution and Development

Chair: Hidehiko Inomata

15:30-15:50 S2-3*
 The primitive streak is not a conserved structure in amniote development
 Guojun Sheng (Kumamoto University, Japan)

15:50-16:20 S2-4
 Mavericks, new models for chordate evolution and regeneration
 Billie J. Swalla (University of Washington, USA)

16:20-16:50 *Coffee Break*

Session 3: Ecology and Adaptation

Chair: Shigeru Kuratani

16:50-17:20 S3-1
 Symbiosis for cuticle hardness of beetles
 Takema Fukatsu (National Institute of Advanced Industrial Science and Technology, Japan)

17:20-17:50 S3-2
 Evolution of movement and carnivory in flowering plants
 Mitsuyasu Hasebe (National Institute for Basic Biology, Japan)

17:50-20:30 *Banquet*

*Selected Talks

Friday, October 20 (Day 2)

Session 4: New Faces in Mavericks

Chair: Hironobu Fujiwara

- 9:30-10:00 S4-1
Mavericks: Marsupials and Monotremes as models in developmental biology
Marilyn B Renfree (The University of Melbourne, Australia)
- 10:00-10:20 S4-2*
Sex change in slipper limpets
Maryna Lesoway (University of Illinois at Urbana Champaign, USA)
- 10:20-10:50 S4-3
African spiny mice (*Acomys*) as an emerging model of epimorphic regeneration in mammals
Ashley W. Seifert (University of Kentucky, USA)
-

10:50-11:20 *Coffee Break*

Session 5: Colors and Patterns

Chair: Shigeo Hayashi

- 11:20-11:50 S5-1
The ladybird beetle as a new model in wing color pattern formation
Teruyuki Niimi (National Institute for Basic Biology, Japan)
- 11:50-12:20 S5-2
Molecular mechanisms underlying color vision and color formation in dragonflies
Ryo Futahashi (National Institute of Advanced Industrial Science and Technology, Japan)
- 12:20-12:50 S5-3
Wing plumage patterning and the checkered past of rock pigeons
Michael D. Shapiro (University of Utah, USA)
- 12:50-13:00 Closing Remarks by Richard Behringer

*Selected Talks