

Workshop on

“Avian biodiversity: from developmental biology to preservation of endangered species”

Date/Time: September 3rd, 2021; 2:30pm-8:00pm (Listed time is for Japan; -13hrs NYC; -8hrs London; -6hrs Moscow; -2hrs Bangkok)

Venue: Virtual (zoom: Meeting ID: 838 2678 2930; Passcode: 0903eASIA); <https://us02web.zoom.us/j/83826782930>

Sponsors: Kumamoto University; Kazan Federal University; Mahidol University; SICORP

Organizers: Guojun Sheng, Oleg Gusev and Sittipon Intarapat

Workshop program:

Greetings: 2:30pm-2:45pm

- **Guojun SHENG (Kumamoto University, Japan)**
Welcome message
- **Makie KOKUBUN, (Tohoku University & JST, Japan)**
“Outline of SICORP: e-Asia JRP”
- **Vugar BAGIROV (Ministry of Science and Higher Education, Russia)**
Greetings from Russian Ministry of Science and Higher Education

Session 1: 2:50pm-4:55pm (5 X 25')

Chairperson: Oleg GUSEV (Kazan Federal University, Russia)

Speakers:

- **Ben NOVAK (Revive and Restore, USA)**
The Need and Potential Uses for Avian Genetic Rescue Biotechnologies
- **Qilong YING (Univ. Southern California, USA)**
Germline Competent Embryonic Stem Cells Derived from Avian Species
- **Yoshiaki NAKAMURA (Hiroshima University, Japan)**
Cryobanking of chicken through manipulation of primordial germ cells
- **Ampika THONGPHAKDEE (Wildlife Reproductive Innovation Center, Thailand)**
Biobanking and biotechnology for wildlife conservation
- **Michael ROMANOV (U. Kent, UK; Moscow State Academy of Veterinary Medicine and Biotechnology, Russia)**
Genetic and genomic implications for poultry industry in Russia: from biodiversity preservation to efficient production

General discussion/breaktime: 4:55pm-5:25pm

Session 2: 5:25pm-7:30pm (5 X 25')

Chairperson: Sittipon INTARAPAT (Mahidol University, Thailand)

Speakers:

- **Isao OISHI (AIST, Japan)**
Technologies of chicken genome modification and possible applications for preservation of avian genetic resources
- **Guojie ZHANG (Univ Copenhagen, Denmark)**
Overview of avian comparative genomics and update on the B10K project
- **Scott EDWARDS (Harvard University, USA)**
PhyloG2P: combining comparative genomics and phenotypes to understand the genetic basis of avian traits
- **Hiroshi KAGAMI (Shinshu University, Japan)**
Avian stem cells and the application for preservation of endangered birds
- **TBA**
TBA

General discussion and Concluding remarks: 7:30pm-8:00pm

- **Wiparat DE-ONG (National Research Council of Thailand)**