

Distinguished Lecture

4th September 2014

“The role of large animal models in Transplantation/Translational Research - Special focus on MHC inbred and gene KO/Tg miniature swine”

Speaker

Dr. Kazuhiko Yamada

Professor and Director, Center for Advanced Biomedical Science and Swine Research, Kagoshima University, Japan.

Biography:

- Dr. Kazuhiko Yamada is Professor and Director, Center for Advanced Biomedical Science and Swine Research, Kagoshima University, Japan
- Head and Director, Surgical Research, Large Animal Section, and Head, Organ Transplantation and Tolerance and Xenotransplantation Lab, Transplantation Biology Research Center (TBRC), Massachusetts General Hospital, Harvard Medical School.

Innovations:

(1) Developed new strategy to transplant thymus as a vascularized graft for thymus to function immediately after transplantation: Vascularized thymic grafts induced tolerance both allogeneic and xenogeneic barriers in large animals and have shown the world longest life-supporting xenogeneic renal function in pig to baboon model. This strategy is thought to be essential to success clinical xenotransplantation.

(2) Extended the vascularized strategy to islets transplantation: I have extended this strategy to islets transplantation to overcome obstacles in the field of islets cell transplantation in both miniature swine and nonhuman primates.

(3) Developed strategies to rejuvenate aged-involuted thymus

(4) Developed preclinical studies to Intestinal Transplantation

(5) Developed preclinical studies of induction of tolerance to renal allografts

The presentation will be for 45 minutes followed by 15 minutes for discussion.

**Venue: Auditorium, NIAB, D. No. 1-121/1, 4th & 5th Floors, Axis Clinicals Building,
Opp. Talkie Town, Miyapur, Hyderabad**

Time: 4 PM to 5 PM

All are cordially invited.

Director, NIAB