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# ISTT ONLINE WORKSHOP

Mating, Timing, Superovulation and  
Implantation

## Two Offered Sessions:

**25 March 2024 at 15:00 UTC**

11AM EDT | 4PM Paris | 8:30PM New Delhi

**26 March 2024 at 22:00 UTC**

6PM EDT | 11PM Paris | 7 AM Seoul | 9AM Sydney

## Highlights:

- Optimized workflow for efficient generation of large knock-in mouse models using a combination of IVF and CRISPR-mediated genome editing in C57BL/6 mice
- Improving superovulation efficiency and implantation rates

Presenters: Mitra Cowan and Judy Hallett

## Fees:

- Free for ISTT members - with code (see registration page for link)
- \$50 for non-members - payment accepted on the registration page
- \$30 for IMGS members - with code (see registration page for link)

Please register by: March 22, 2024  
Registration at [ISTT workshop page](#)

## Meet Our Experts:

**Mitra Cowan**



**Mitra Cowan is an expert in transgenesis with a background in reproductive biology and embryonic stem cell technologies from the University of Illinois. She managed the Johns Hopkins School of Medicine Transgenic core from 1998 to 2004 before establishing a new Transgenic Core at CRCHUM in Montreal, Canada. In 2017, she became the Associate Director of the McGill Integrated Core for Animal Modeling at McGill University.**

**Over the past two decades, Mitra has utilized various techniques, including traditional microinjection, ES cell technology, and Crispr/Cas9, to generate over 300 genetically engineered animal models. She is actively contributing to the establishment of a marmoset transgenesis platform for McGill and continues to position the university as a leader in animal model creation in Quebec.**

**Judy Hallett**



**Judy Hallett boasts a 25-year career in gene-edited mouse models and 33 years in reproductive physiology. After obtaining degrees in Physics and Reproductive Physiology from McGill University, she managed the Transgenic Animal Service in Queensland, specializing in pronuclear injection for transgenic mouse creation. She expanded her expertise at Purdue University, managing the Transgenic Mouse Core Facility, incorporating various techniques. Judy also spent time at the Thomas Jefferson Institute, focusing on pronuclear microinjections in rats. Her research spans ZFNs, TALENs, and CRISPR technologies.**

**As a reproductive physiologist, her graduate work focused on arachidonic acid metabolites in pig ovulation and ovarian follicle culture in horses. With extensive experience in mouse and rat breeding, assisted reproductive technologies, and embryo transfer, Judy is a seasoned expert in mammalian reproduction.**