



Workshop on Assisted Reproductive Technologies (ARTs) In the Laboratory Mouse (CARD & JAX Techniques)

October 15-19, 2018

DRAFT WORKSHOP SCHEDULE

Sunday, October 14, 2018

4:00pm **Highseas Check In Begins** – *Highseas Conference Center*

6:00pm **Dinner**– *Highseas Conference Center*

Monday, October 15, 2018

7:30am **Breakfast** – *Highseas Conference Center*

9:00am **Welcome Address** – *Highseas Conference Center*
Robert Taft, Ph.D., The Jackson Laboratory

9:30am **Introduction of the Course** – *Highseas Conference Center*
Naomi Nakagata

10:00am **History of Cryobiology** – *Highseas Conference Center*
Jorge Szein

10:30am **Coffee Break**

11:00am **TBD** – *Highseas Conference Center*
Larry Mobraaten, Ph.D., The Jackson Laboratory

12:00pm **Lunch** – *Highseas Conference Center*

12:45pm **Transportation from Highseas to JAX Biobank**

1:00pm **Liquid Nitrogen Safety, Dry Shippers & Required** - *Biobank*

2:00pm **Biomethods** – *GRB Training Laboratory*

3:00pm **Coffee Break**

3:30pm **Cold Storage of Sperm** – *GRB Training Laboratory*

4:30pm **Sperm Cryopreservation (CARD)** – *GRB Training Laboratory*

5:30pm **Transportation from GRB to Highseas**

6:00pm **Dinner**– *Highseas Conference Center*

7:00pm **Keynote Lecture** – *Highseas Conference Center*
David Whittingham

Tuesday, October 16, 2018

7:30am **Breakfast** – *Highseas Conference Center*

8:30am **Transportation from Highseas to GRB Training Laboratory**

9:00am **IVF Using Cold-Stored Sperm** – *GRB Training Laboratory*

10:30am **IVF Using Cryopreserved Sperm** – *GRB Training Laboratory*

12:00pm **Lunch** – *Roscoe's Dining Area*

1:00pm **Preparing Embryo Handling Device and Pipettes** – *GRB Training Laboratory*

1:30pm **Practice for Embryo Handling** – *GRB Training Laboratory*

2:00pm **The CARD** – *GRB Training Laboratory*
Naomi Nakagata

3:00pm **Washing Oocytes** - *GRB Training Laboratory*

4:00pm **Ultrasuperovulation** - *GRB Training Laboratory*
Toro Takeo

4:30pm **Observation of Oocytes at Pronuclear Stage** - *GRB Training Laboratory*

5:00pm **Shipping Mice, Frozen or Refrigerated Embryos/Sperm Around the World** - *GRB Training Laboratory*
Toro Takeo

5:45pm **Transportation from GRB to Highseas**

6:00pm **Dinner**– *Highseas Conference Center*

Wednesday, October 17, 2018

7:30am	Breakfast – Highseas Conference Center
8:30am	Transportation from Highseas to GRB Training Laboratory
9:00am	Warming of Vitrified Oocytes – GRB Training Laboratory
9:30am	IVF Using Vitrified–Warmed Oocytes – GRB Training Laboratory
10:00am	Washing and Observation of 2-Cell Embryos – GRB Training Laboratory
10:30am	Vitrification of 2-Cell Embryos – GRB Training Laboratory
12:00pm	Lunch – Roscoe’s Dining Area
1:00pm	Washing of the Vitrified-Warmed Oocytes – GRB Training Laboratory
1:30pm	Warming of the Vitrified Embryos, Cold Storage of 2-Cell Embryos – GRB Training Laboratory
2:30pm	Sperm Cryopreservation Lecture – GRB 1025 Conference Room
3:00pm	Sperm Cryopreservation Lab – GRB Training Laboratory
4:30pm	Anesthesia, Analgesia and Aseptic Surgery Methods Lecture – GRB 1025 Conference Room
5:30pm	Observation of Oocytes at Pronuclear Stage – GRB Training Laboratory
6:15pm	Transportation from GRB to Highseas
6:30pm	Dinner– Highseas Conference Center
7:30pm	IVF Lecture – Highseas Conference Center Robert Taft, Ph.D., The Jackson Laboratory

Thursday, October 18, 2018

6:45am	Breakfast – Highseas Conference Center
7:30am	Transportation from Highseas to GRB Training Laboratory
8:00am	IVF Using JAX Cryopreserved Sperm – GRB Training Laboratory
10:00am	Vasectomy Surgery – GRB Training Laboratory
11:00am	Washing and Observation of 2-Cell Embryos, Collection of Cold-Stored Embryos – GRB Training Laboratory
12:00pm	Lunch – Roscoe’s Dining Area
1:00pm	Washing Oocytes and Culture– GRB Training Laboratory
2:00pm	Surgical Embryo Transfer – GRB Training Laboratory

3:30pm **Non-Surgical Embryo Transfer (NSET) – GRB Training Laboratory**
Barbara Stone

5:30pm **Transportation from GRB to Highseas**

6:00pm **Lobster Dinner– Highseas Conference Center**

Friday, October 19, 2018

7:30am **Breakfast – Highseas Conference Center**

8:30am **Transportation from Highseas to GRB Training Laboratory**

9:00am **Washing and Observation of 2-Cell Embryos – GRB Training Laboratory**

10:00am **Cryopreservation of 2-Cell Embryos using BIOCOOL (Controlled Rate Freezing) – GRB Training Laboratory**

12:00pm **Lunch – Roscoe’s Dining Area**

1:00pm **Thawing of 2-Cell Embryos using BIOCOOL – GRB Training Laboratory**

2:00pm **Open Discussion, Closing Remarks and Q&A**

3:00pm **Transportation from GRB to Highseas**

Course Adjourn – Dinner on your own in town

Saturday, October 10, 2018

7:30am **Breakfast & Check Out of Rooms by 9:00am – Highseas Conference Center**