CARD-Texas Mouse Reproductive Technology Workshop Schedule of Events

Monday, November 13		Tuesday, November 14		Wednesday November 15		Thursday November 16		Friday, November 17		Saturday, November 18	
Travel Day		Lectures, Dissection of cauda for cold storage, Sperm freeze		IVFs with sperm from cold stored cauda, CARD frozen sperm		Vitrification of oocytes and 2-cell embryos, cold storage of 2-cell embryos		IVF with vitrified oocytes/fresh sperm, fresh oocytes/JAX sperm (CARD recovery method), Ovary freezing		Embryo Implants, Course completion	
Check in		8:00-8:45	Registration			8:30-10:30	Oocyte vitrification	8:30-9:00	Thaw vitrified oocytes, collect oocytes from females for JAX/CARD IVF	8:30-9:00	Observe and collect 2-cell embryos from vitrified oocytes IVF and JAX/CARD IVF
Prep for Nov. 14		8:45-8:55	Welcome	8:30-12:45	Capacitation of CARD frozen sperm, capacitation of sperm from coldstored cauda. Obtaining oocytes, setting up IVF with each set of sperm	10:30-11:00	Observe and collect 2-cell embryos from IVFs set up yesterday. Score results for each type of sperm isolation	9:00-10:00	Thaw JAX sperm and capacitate; Obtain fresh sperm and capacitate.	9:00-11:30	Non-Surgical Embryo Transfer (NSET); Demo of oviduct implant through ampulla wall
		8:55-9:40	Introduction, Naomi Nakagata	12:45-13:45	Lunch	11:00-12:15	Vitrification of 2-cell embryos	10:00-11:00	IVF using vitrified oocytes/fresh sperm, fresh oocytes/JAX(CARD) sperm.	11:30-12:15	Open lecture slot
		9:40-10:10	History and fundamentals of cryopreservation, Jorge Sztein	13:45-14:30	Embryo handling device and pipette preparation. Practicing embryo handling	12:15-13:15	Lunch	11:00-12:15	Collection of cold-stored embryos and scoring	12:15-13:15	Lunch
		10:10-10:25	Dr. John N. Stallone, IACUC		Breeding, genotyping and back-ups of GEMs	13:15-14:45	Thaw 2-cell embryos and score. Cold storage of the vitrified-warmed 2-cell embryos	12:15-13:15	Lunch	13:15-13:45	Shipping mice, frozen or refrigerated embryos/sperm around the world, Toru Takeo
		10:25-10:45	Coffee Break	14:30-15:00	Wash embryos and incubate in HTF for pronuclear development	14:45-15:15	Ovary freezing lecture, Jorge Sztein	13:15-13:45	Wash oocytes from IVF procedures	13:45-14:45	Open discussion, questions and answers, Course analysis
		10:45-11:30	Cryopreservation in large animals, Chuck Long	15:00-15:30	The CARD, Naomi Nakagata	15:15-17:30	Hands-on ovary freezing then thaw and implant CD1 females	13:45-14:15	Development of databases for banked mouse embryos (Shyuuji Tsuchiyama)	14:45-15:15	Concluding remarks, diplomas, thank-yous.
		11:30-noon	Vitrification of oocytes and use for IVF, Naomi Nakagata	15:30-16:00	Superovulation, Hyperovulation, and natural matings, Toru Takeo, CT host.			14:15-15:15	Cryopreservation as a rescue procedure and to disassociate embryo/implant timing, Jan Parker-Thornburg (optional lecture)		
		12:00-13:00	Lunch	16:00-16:30	Observation of pronuclear development and scoring			15:15-16:15	Observation of pronuclear development from IVFs and scoring		
		13:00-14:00	Sponsored Lecture-Sigma/TIGM	16:30-17:15	Fernando Benavides, Genetic Background in Laboratory Mice			17:00-20:00	Official course dinner		
		14:00-17:00	Cold storage of cauda and sperm freeze (Demo and hands on)								