

****DRAFT** FIR2025 SECTION 3 **DRAFT****
WEEK 1: May 25 – June 5, 2025

Date	Time	Faculty	Affiliation	Activity
Sunday May 25	7 PM	Margaret Petroff	Michigan State University	Introduction to Section 3
Monday May 26	9 AM	Miranda Bernhardt	Washington State University	Lecture: Genetic Engineering Approaches in Reproductive Biology
	1 PM	Miranda Bernhardt	Washington State University	Lab: Embryo Transfer and Gene Editing
	7 PM	Indrani Bagchi	University of Illinois – Urbana-Champaign	Lecture: Implantation/Decidualization
Tuesday May 27	9 AM	Margaret Petroff Lisa Vrooman	Michigan State University Oregon Health & Science University	Lab: Placenta staining
	10:30 AM	Myriam Hemberger	University of Calgary	Lecture: Mouse Placenta Via Zoom
	1:30 PM	Margaret Petroff Lisa Vrooman	Michigan State University Oregon Health & Science University	Lab: Placenta Dissection; and Ectoplacental Cone Dissection and Culture Finish placenta staining
	4:30 PM	Miranda Bernhardt	Washington State University	Lab Wrapup: Embryo Transfer and ES cell injection
	7 PM	Lynda Harris	University of Nebraska	Lecture: Human Placenta and Pregnancy Complications
Wednesday May 28	9 AM	Tom Spencer	University of Missouri	Lecture: Implantation and placentation of domestic animals
	1 PM	Tom Spencer	University of Missouri	Lab: Placentation in domestic animals
	3:30 – 5:30 PM	Students		Practice Presentations Data Collection: stained placentas & EPC cultures
	7 PM	Margaret Petroff	Michigan State University	Lecture: Reproductive Immunology
Thursday May 29	9 AM	Carolyn Coyne	Duke University	Lecture: Placenta/Infection/organoids
	1 PM	Margaret Petroff	Michigan State University	Lab: Flow Cytometry
	4:30 PM	Petroff/Vrooman	Michigan State/OHSU	Placenta Lab Wrap Up Data Collection: EPC cultures
	7 PM	Lisa Vrooman	Oregon Health and Science University	Lecture: Fetal Programming of Long-Term Health Outcomes
Friday May 30	9 AM	Joan Jorgensen	University of Wisconsin	Lecture: Sex Determination and the Battle of the Sexes: Gonadal Cells “Duke it Out”
	1 PM	Joan Jorgensen	University of Wisconsin	Lab: Isolation and Identification of Germ Cells from Embryonic Mouse Gonads – 1
	7 PM	Soo Hyun Ahn	Michigan State University	Workshop: Flow Cytometry Analysis Students analyze flow data
Saturday May 31	9 AM	Joan Jorgensen	University of Wisconsin	Lab: Isolation and Identification of Germ Cells from Embryonic Mouse Gonads – 2
	1 PM	Hanne Hoffmann	Michigan State University	Lab: Setup for Circadian Rhythms
				Free Evening

FIR2024 SECTION 3
WEEK 2: June 2 – June 6

Date	Time	Faculty	Affiliation	Activity
Sunday June 1	Free Day			
Monday June 2	9 AM	Clémence Belleannée	Laval University	Lecture: Intercellular cross-talks in the epididymis
	1 PM	Clémence Belleannée	Laval University	Lab: Wolffian & Müllerian duct development
	7 PM	Richard Behringer	University of Texas, MD Anderson Cancer Center	Reproductive Tract Development
Tuesday June 3	9 AM	Mariana Wolfner	Cornell University	Lecture: Gametogenesis in <i>Drosophila</i>
	11 AM	Mariana Wolfner	Cornell University	Lab Demo: Fly Reproduction
	1 PM	Mariana Wolfner	Cornell University	Lab: Fly Reproduction
	5 PM	Clémence Belleannée	Laval University	Lab Wrapup
	7 PM	Erika Matunis	Johns Hopkins University	Lecture: Stem Cells in <i>Drosophila</i> Testis
Wednesday June 4	9 AM	Hanne Hoffmann	Michigan State University	Lecture: Circadian Rhythms
	1 PM	Hanne Hoffmann	Michigan State University	Lab: Circadian Rhythms
	7 PM	Sam Mesiano	Case Western Reserve University	Lecture: Parturition
Thursday June 5	9 AM	Students		Preparation time for lab wrapup
	1 PM	Margaret Petroff	Michigan State University	Section 3 wrapup
	6 PM			Luigi Mastroianna Memorial Lecture
Friday June 6	FIR Symposium			
Saturday June 7	FIR Symposium			