

**FIR2025  
SECTION 2/WEEK 1**

Date	Time	Faculty	Affiliation	Activity
Sunday May 11	7 PM	Karen Schindler	Rutgers University	Intro to Section 2 and FIRbee chalk talks
Monday May 12	9 AM	Brian Hermann	University of Texas, San Antonio	Lecture: Stem cells, spermatogenesis and male fertility
	11 AM	Brian Hermann	University of Texas, San Antonio	GROUP 1: Testes- Single cell RNA sequencing
	11 AM	Mariano Buffone	IBYME, CONICET	GROUP 2: Sperm capacitation & cryopreservation
	7 PM	Mariano Buffone	IBYME, CONICET	Lecture: Sperm Capacitation: Signaling pathways that lead to fusion of sperm and egg
Tuesday May 13	9 AM	Yosi Aizen	Ruppín Acad. Center	Lecture: Gonadotropins in fish, reptiles and crustaceans
	11 AM	Brian Hermann	University of Texas, San Antonio	GROUP 2: Testes- Single cell RNA sequencing
	11 AM	Mariano Buffone	IBYME, CONICET	GROUP 1: Sperm capacitation & cryopreservation
	7 PM	Brian Hermann	University of Texas, San Antonio	Dry Lab: Seurat Analysis of single cell RNA sequencing
Wednesday May 14	9 AM	Yosi Aizen	Ruppín Acad. Center	GROUP 1: Zebrafish IVF
	9 AM	Karen Schindler	Rutgers University	GROUP 2: Mouth pipetting clinic
	11 AM	Karen Schindler and Linda Rice	Rutgers University/ Jazz Pharma	Writing Clinic part 1
	1 PM	Elizabeth Snyder	Rutgers University	Lecture: Spermiogenesis
	4PM	Karen Schindler and Linda Rice	Rutgers University/ Jazz Pharma	Writing Clinic part 2
	7 PM	Elizabeth Snyder	Rutgers University	Dry Lab: Testes histology
Thursday May 15	9 AM	Yosi Aizen	Ruppín Acad. Center	GROUP 2: Zebrafish IVF
	9 AM	Karen Schindler	Rutgers University	GROUP 1: Mouth pipetting clinic
	11 AM	Laurinda Jaffe	UConn Health Center	GROUP 1: Marine animal fertilization
	11 AM	Shuo Xiao Lisa Mehlmann	Rutgers University UConn Health Center	GROUP 2: Follicular culture and follicle injection
	7 PM	Shuo Xiao	Rutgers University	Lecture: Folliculogenesis and ovarian toxicology
Friday May 16	9 AM	Laurinda Jaffe	UConn Health Center	Lecture: Regulation of meiotic arrest and meiosis resumption by the ovarian follicle
	11 AM	Laurinda Jaffe	UConn Health Center	GROUP 2: Marine animal fertilization
	11 AM	Shuo Xiao Lisa Mehlmann	Rutgers University UConn Health Center	GROUP 1: Follicular culture and follicle injection
	6 PM	Karen Schindler Linda Rice	Rutgers University Jazz Pharmaceuticals	Writing workshop part 3

Saturday May 17	<i>Free day</i>			
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<b>FIR2025 SECTION 2/WEEK 2</b>				
<b>Date</b>	<b>Time</b>	<b>Faculty</b>	<b>Affiliation</b>	<b>Activity</b>
Sunday May 18	7 PM	Francesca Cole	MD Anderson Cancer Center	Lecture: Prophase I and meiotic recombination
Monday May 19	9 AM	Karen Schindler	Rutgers University	Lecture: Oocyte maturation and aneuploidy
	11 AM	Francesca Cole	University of TX, MD Anderson Cancer Center	GROUP 1: Vertebrate meiotic prophase
	11 AM	Karen Schindler	Rutgers University	GROUP 2: Vertebrate oocyte maturation
	7 PM	Rafael Fissore	UMass Amherst	Lecture: Ca <sup>2+</sup> homeostasis and its role in fertilization and egg activation
Tuesday May 20	9 AM	Amber Krachunas	University of Delaware	Lecture: Fertilization in <i>C. elegans</i>
	11 AM	Francesca Cole	University of TX, MD Anderson Cancer Center	GROUP 2: Vertebrate meiotic prophase
	11 AM	Karen Schindler	Rutgers University	GROUP 1: Vertebrate oocyte maturation
	7 PM	Paula Stein	NIEHS	Lecture: Mammalian EGA/cleavage stage embryo development
Wednesday May 21	9 AM	Greg FitzHarris	University of Montreal	Lecture: Imaging and preimplantation embryogenesis
	11 AM	Amber Krachunas Aimee Jaramillo-Lambert	University of Delaware	GROUPS 1 and 2: Lab Intro and picking 101
	1:30 PM	Amber Krachunas Aimee Jaramillo-Lambert	University of Delaware	GROUP 1: Worm sperm activation GROUP 2: Worm meiosis
	3:30 PM	Amber Krachunas Aimee Jaramillo-Lambert	University of Delaware	GROUP 2: Worm sperm activation GROUP 1: Worm meiosis
	7 PM	Free time!	Free time!	Free time!
Thursday May 22	9 AM	Amy Ralston	Michigan State Univ.	Lecture: Preimplantation embryo development and CRISPR
	11 AM	Paula Stein	NIEHS	GROUP 1: ICSI
	11 AM	Carmen Williams	NIEHS	GROUP 2: Mouse IVF
	7 PM	Carmen Williams	NIEHS	Lecture: Environmental impacts on the female reproductive tract and embryos

Date	Time	Faculty	Affiliation	Activity
Friday May 23	9 AM	Paulo Rinaudo	UCSF	Lecture: Female infertility/Assisted reproductive technologies
	11 AM	Paula Stein	NIEHS	GROUP 2: ICSI
	11 AM	Carmen Williams	NIEHS	GROUP 1: Mouse IVF
	7 PM	Karen Schindler Paulo Rinaudo	Rutgers University UCSF	Bioethics
Saturday May 24	<i>Free day</i>			