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| FIR2024SECTION 2 WEEK 1 |
| Date | **Time** | **Faculty**  | **Affiliation** | **Activity** |
| Sunday May 12 | 7 PM | Karen Schindler | Rutgers University | Intro to Section 2 and FIRbee chalk talks |
|  |  |  |  |  |
| Monday May 13 | 9 AM | Yosi Aizen | Ruppin Acad. Center | Lecture: Gonadotropins in fish, reptiles and crustaceans |
| 11 AM | Aimee Jaramillo-Lambert | University of Delaware | Lab I: Invertebrate meiosis and fertilization |
| 11 AM | Francesca Cole | University of Texas, MD Anderson Cancer Center  | Lab II: Vertebrate Meiosis |
| 7 PM | Sue Hammoud | University of Michigan | Lecture: Stem cells, spermatogenesis and male fertility  |
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| Tuesday May 14 | 9 AM | Francesca Cole | University of Texas, MD Anderson Cancer Center | Lecture: Prophase I and meiotic recombination |
|  | 11 AM | Aimee Jaramillo-Lambert | University of Delaware | Lab I: Invertebrate meiosis and fertilization |
|  | 11 AM | Francesca Cole | University of Texas, MD Anderson Cancer Center | Lab II: Meiosis |
|  | 7 PM | Andy Singson  | Rutgers University  | Lecture: Gamete activation and fertilization in C. elegans  |
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| Wednesday  | 9 AM | Yosi Aizen | Ruppin Acad. Center | Lab I: Zebrafish IVF |
| May 15 | 9 AM | Karen Schindler | Rutgers University | Lab II: Mouth pipetting clinic/Writing workshop part 1 |
|  | 1 PM | Greg FitzHarris | University of Montreal | Lecture: Lecture: Imaging oocyte maturation and embryo development  |
|  | 7 PM | Shuo Xiao | Rutgers University | Lecture: Folliculogenesis and ovarian toxicology |
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| Thursday | 9 AM | Yosi Aizen | Ruppin Acad. Center | Lab I: Zebrafish IVF |
| May 16 | 9 AM | Karen Schindler | Rutgers University | Lab II: Mouth pipetting clinic/Writing workshop part 1 |
|  | 11 AM | Laurinda Jaffe | UConn Health Center  | Lab I: Marine animal fertilization |
|  | 11 AM | Shuo XiaoLisa Mehlmann | Rutgers University UConn Health Center | Lab II: Follicular culture and follicle injection |
|  | 7 PM | Karen Schindler | Rutgers University | Lecture: Oocyte meiotic maturation and aneuploidy |
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| FridayMay 17 | 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  | Lab I: Marine animal fertilization |
|  | 11 AM | Shuo XiaoLisa Mehlmann | Rutgers University UConn Health Center | Lab II: Follicular culture and follicle injection |
|  | 7 PM | Karen Schindler | Rutgers University | Writing workshop part 2 |
|  |  |  |  |  |
| SaturdayMay 18 | *Free day* |
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| FIR2022 SECTION 2 WEEK 2 |
| Date | **Time** | **Faculty**  | **Affiliation** | **Activity** |
| SundayMay 19 | 7 PM | Mariano Buffone | IBYME, CONICET  | Lecture: Sperm Capacitation: Signaling pathways that lead to fusion of sperm and egg  |
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| Monday May 20 | 9 AM | Tracy Clement  | Texas A&M | Lecture: Spermiogenesis |
|  | 11 AM | Mariano Buffone | IBYME, CONICET | Lab I: Sperm capacitation & cryopreservation |
|  | 11 AM | Karen Schindler  | Rutgers University | Lab II: Oocyte maturation |
|  | 7 PM | Rafael Fissore | UMass Amherst | Lecture: Ca2+ homeostasis and its role in fertilization and egg activation |
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| TuesdayMay 21 | 9 AM | Miler Lee | University of Pittsburgh | Bioinformatics workshop I  |
|  | 11 AM | Mariano Buffone | IBYME, CONICET | Lab I: Sperm capacitation & cryopreservation |
|  | 11 AM | Karen Schindler  | Rutgers University | Lab II: Oocyte maturation |
|  | 7 PM | Miler Lee  | University of Pittsburgh  | Lecture: Maternal to zygotic transition |
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| WednesdayMay 22 | 9 AM | Paula Stein  | NIEHS  | Lecture: Mammalian EGA/cleavage stage embryo development  |
|  | 11 AM | Miler Lee | University of Pittsburgh | Bioinformatics workshop II |
|  | 7 PM | Marisa Bartolomei | University of Pennsylvania | Lecture: Epigenetic gene regulation during development and under adverse environmental conditions |  |
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| ThursdayMay 23 | 9 AM | Amy Ralston  | Michigan State Univ. | Lecture: Preimplantation embryo development and CRISPR |
|  | 11 AM | Paula Stein | NIEHS | Lab I: ICSI |
|  | 11 AM | Carmen Williams | NIEHS | Lab II: Mouse IVF |
|  | 7 PM | Carmen Williams | NIEHS | Environmental impacts on the female reproductive tract and embryos |
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| FridayMay 24 | 9 AM | Paulo Rinaudo | UCSF | Lecture: Female infertility/Assisted reproductive technologies |
|  | 11 AM | Paula Stein | NIEHS | Lab I: ICSI |
|  | 11 AM | Carmen Williams | NIEHS | Lab II: Mouse IVF  |
|  | 7 PM | Karen Schindler | Rutgers University | Bioethics |
|  |  |  |  |  |
| SaturdayMay 25 |  |  | *Free day* |  |
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