| Date<br>Sunday<br>May 25       Time<br>Pactivity       Paculty       Artification<br>Michigan State University       Activity         Monday<br>May 26       9 AM       Miranda<br>Bernhardt       Washington State University<br>Bernhardt       Lecture: Genetic Engineering Approaches in<br>Reproductive Biology         1 PM       Miranda<br>Bernhardt       Washington State University<br>Bernhardt       Lecture: Implantation/Decidualization         1 PM       Miranda<br>Bernhardt       Washington State University<br>Urbane-Champaign       Lecture: Implantation/Decidualization         7 FM       Indrani Bagchi       University of Illinois –<br>Urbane-Champaign       Lecture: Implantation/Decidualization         7 BM       Margaret Petroff<br>Lisa Vrooman       Michigan State University<br>Oregon Health & Science<br>University       Lecture: Mouse Placenta         1:30 PM       Miranda<br>Hemberger       University of Nebraska       Lecture: Implantation and Placental<br>Oregon Health & Science<br>University       Lab: Placenta Dissection; and Exteplacental<br>Core Dissection and Culture         4:30 PM       Miranda<br>Bernhardt       University of Nebraska       Lecture: Implantation and placentation of<br>domestic animals         3:30 - D       Tom Spencer       University of Missouri       Lecture: Implantation and placentation of<br>domestic animals         1 PM       Tom Spencer       University of Missouri       Lecture: Reproductive Immunology  |        | **DRAFT** FIR2025 SECTION 3 **DRAFT**<br>WEEK 1: May 25 – June 5, 2025 |                   |                             |   |  |  |  |
|---|--------|--|-------------------|-----------------------------|---|--|--|--|
| May 25       Image: Construction of the second secon            | Date   | Time   | Faculty           | Affiliation                 | Activity                                    |  |  |  |
| Monday<br>May 269 AMMiranda<br>BernhardtWashington State UniversityLecture: Genetic Engineering Approaches in<br>Reproductive Biology1 PMMiranda<br>BernhardtWashington State UniversityLab: Embryo Transfer and Gene Editing<br>Bernhardt7 PMIndrani BagchiUniversity of Illinois –<br>Urbana-ChampainLecture: Implantation/Decidualization7 uesday<br>May 279 AMMargaret Petroff<br>Lisa VroomanMichigan State University<br>Oregon Health & Science<br>University of Calgary<br>UniversityLab: Placenta staining1:30 PMMargaret Petroff<br>Lisa VroomanUniversity of Calgary<br>Oregon Health & Science<br>UniversityLab: Washington State University<br>Calgary<br>Lab: Placenta Ibissection; and Ectoplacental<br>Come Dissection and Cluture<br>Finish placenta staining1:30 PMMargaret Petroff<br>Michigan State UniversityLab: Washington State University<br>ComplicationsLab: Washington State University<br>Complications4:30 PMMiranda<br>BernhardtWashington State University<br>Oregon Health & Science<br>University of NebraskaLecture: Human Placenta and Pregnancy<br>Complications7 PMLynda HarrisUniversity of MissouriLab: Placentation and placentation of<br>domestic animals3:30 -<br>S:30 PMStudentsPractice Presentations<br>Data Collection: stained placentas & EPC<br>califies11 PMMargaret PetroffMichigan State UniversityLecture: Placenta/Infection/organoids12 PMStudentsDuke University of WissouriLab: Placenta Lab Wrap Up<br>Data Collection: Exclusions13 PMMargaret PetroffMichigan State Univ  | Sunday | 7 PM   | Margaret Petroff  | Michigan State University   | Introduction to Section 3                   |  |  |  |
| May 26       Bernhardt       Constraint       Reproductive Biology       Constraint         1 PM       Miranda       Washington State University       Lab: Embryo Transfer and Gene Editing<br>Bernhardt         7 PM       Indrani Bagchi       University of Illinois –<br>Urbana-Champaign       Lecture: Implantation/Decidualization         7 uesday<br>May 27       9 AM       Margaret Perforf       Michigan State University<br>Oregon Health & Science<br>University       Lab: Placenta staining         10:30       Myriam       University of Calgary       Lab: Clacenta staining         10:30 PM       Margaret Perforf       Michigan State University<br>Oregon Health & Science       Lab: Placenta Dissection; and Ectoplacental<br>Cone Dissection and Culture<br>Finish Placenta staining         4:30 PM       Miranda       Washington State University<br>Oregon Health & Science       Lab: Placenta Ibisection; and Ectoplacental<br>Cone Dissection and Culture<br>Finish Placenta staining         7 PM       Lynda Harris       University of Missouri       Lecture: Implantation and placentation of<br>domestic animals         3:30 -<br>S:30 PM       Students       Practice Presentations<br>Data Collection: stained placentas & EPC<br>cultures         7 PM       Margaret Petroff       Michigan State University       Lecture: Reproductive Immunology         7 PM       Margaret Petroff/Yrooman       Michigan State University </td <td>May 25</td> <td></td> <td></td> <td></td> <td></td>  | May 25 |  |                   |                             |   |  |  |  |
| May 26       Bernhardt       Constraint       Reproductive Biology       Constraint         1 PM       Miranda       Washington State University       Lab: Embryo Transfer and Gene Editing<br>Bernhardt         7 PM       Indrani Bagchi       University of Illinois –<br>Urbana-Champaign       Lecture: Implantation/Decidualization         7 uesday<br>May 27       9 AM       Margaret Perforf       Michigan State University<br>Oregon Health & Science<br>University       Lab: Placenta staining         10:30       Myriam       University of Calgary       Lab: Clacenta staining         10:30 PM       Margaret Perforf       Michigan State University<br>Oregon Health & Science       Lab: Placenta Dissection; and Ectoplacental<br>Cone Dissection and Culture<br>Finish Placenta staining         4:30 PM       Miranda       Washington State University<br>Oregon Health & Science       Lab: Placenta Ibisection; and Ectoplacental<br>Cone Dissection and Culture<br>Finish Placenta staining         7 PM       Lynda Harris       University of Missouri       Lecture: Implantation and placentation of<br>domestic animals         3:30 -<br>S:30 PM       Students       Practice Presentations<br>Data Collection: stained placentas & EPC<br>cultures         7 PM       Margaret Petroff       Michigan State University       Lecture: Reproductive Immunology         7 PM       Margaret Petroff/Yrooman       Michigan State University </td <td></td> <td></td> <td></td> <td></td> <td></td>  |        |  |                   |                             |   |  |  |  |
| Image: Problem in the intervention of the interventint on the thermal of the intervention of the interv |        |  |                   |                             | Reproductive Biology                        |  |  |  |
| Tuesday<br>May 27       9 AM       Margaret Petroff<br>Lisa Vrooman       Michigan State University<br>Oregon Health & Science<br>University       Lab: Placenta staining         10:30       Myriam<br>AM       Hemberger       University of Calgary       Lecture: Mouse Placenta         10:30       Myriam<br>AM       Hemberger       University of Calgary       Lab: Placenta Dissection; and Ectoplacental<br>Cone Dissection and Culture         1:30 PM       Miranda       Washington State University       Lab: Vlacenta Dissection; and Ectoplacental<br>Cone Dissection and Culture         4:30 PM       Miranda       Washington State University       Lab: Vlacenta Dissection; and Ectoplacental<br>Cone Dissection and Culture         7 PM       Lynda Harris       University of Nebraska       Lecture: Human Placenta and Pregnancy<br>Complications         8 AM       Tom Spencer       University of Missouri       Lab: Placentation in domestic animals         9 AM       Tom Spencer       University of Missouri       Lab: Placentation         3:30 -<br>5:30 PM       Students       Practice Presentations<br>Data Collection: stained placentas & EPC<br>cultures         7 PM       Margaret Petroff       Michigan State University       Lecture: Placenta/Infection/organoids         8 AMay 30       9 AM       Carolyn Coyne       Duke University       Lecture: Placenta/Infection/organoid  |        | 1 PM   |                   | Washington State University | Lab: Embryo Transfer and Gene Editing       |  |  |  |
| May 27     Lisa Vrooman     Oregon Health & Sciencé     University       10:30     Myriam     University of Calgary     Via Zoom       1:30 PM     Margaret Petroff     Michigan State University     Lecture: Mouse Placenta       4:30 PM     Miranda     Waspington State University     Lab: Placenta Dissection; and Ectoplacental Core Dissection and Culture       4:30 PM     Miranda     Washington State University     Lecture: Human Placenta staining       4:30 PM     Miranda     Washington State University     Lecture: Human Placenta and Pregnancy       7 PM     Lynda Harris     University of Missouri     Lecture: Implantation and placentation of domestic animals       1 PM     Tom Spencer     University of Missouri     Lecture: Implantation in domestic animals       3:30 -     Students     Practice Presentations     EPC       5:30 PM     Students     Practice Presentations     EPC       5:30 PM     Argaret Petroff     Michigan State University     Lecture: Placenta/Infection/organoids       May 28     9 AM     Carolyn Coyne     Duke University     Lecture: Placenta/Infection/organoids       1 PM     Margaret Petroff     Michigan State University     Lecture: Placentalon/Infection/organoids <t< td=""><td>7 PM</td><td>Indrani Bagchi</td><td></td><td>Lecture: Implantation/Decidualization</td></t<>   |        | 7 PM   | Indrani Bagchi    |                             | Lecture: Implantation/Decidualization       |  |  |  |
| May 27     Lisa Vrooman     Oregon Health & Sciencé     University       10:30     Myriam     University of Calgary     Via Zoom       1:30 PM     Margaret Petroff     Michigan State University     Lecture: Mouse Placenta       4:30 PM     Miranda     Waspington State University     Lab: Placenta Dissection; and Ectoplacental Core Dissection and Culture       4:30 PM     Miranda     Washington State University     Lecture: Human Placenta staining       4:30 PM     Miranda     Washington State University     Lecture: Human Placenta and Pregnancy       7 PM     Lynda Harris     University of Missouri     Lecture: Implantation and placentation of domestic animals       1 PM     Tom Spencer     University of Missouri     Lecture: Implantation in domestic animals       3:30 -     Students     Practice Presentations     EPC       5:30 PM     Students     Practice Presentations     EPC       5:30 PM     Argaret Petroff     Michigan State University     Lecture: Placenta/Infection/organoids       May 28     9 AM     Carolyn Coyne     Duke University     Lecture: Placenta/Infection/organoids       1 PM     Margaret Petroff     Michigan State University     Lecture: Placentalon/Infection/organoids <t< td=""><td></td><td>A</td><td></td><td></td><td></td></t<>  |        | A  |                   |                             |   |  |  |  |
| AMHembergerUniversity of CalgaryVia Zoom1:30 PMMargaret Petroff<br>Usa VromanMichigan State University<br>Orgon Health & Science<br>UniversityLab: Placenta Dissection; and Ectoplacental<br>Core Dissection and Culture<br>Frishs placenta staining4:30 PMMiranda<br>BernhardtWashington State University<br>University of NebraskaLab Wrapup: Embryo Transfer and ES cell<br>injection7 PMLynda HarrisUniversity of NebraskaLecture: Human Placenta and Pregnancy<br>ComplicationsWednesday<br>May 289 AMTom SpencerUniversity of MissouriLecture: Implantation and placentation of<br>domestic animals3:30 -<br>5:30 PMStudentsStudentsPractice Presentations<br>Data Collection: stained placentas & EPC<br>culturesThursday<br>May 299 AMCarolyn CoyneDuke UniversityLecture: Reproductive ImmunologyThursday<br>May 299 AMCarolyn CoyneDuke UniversityLecture: Placenta Lab Wrap Up<br>Data Collection: stained placentas & EPC<br>culturesThursday<br>May 299 AMCarolyn CoyneDuke UniversityLecture: Placenta Lab Wrap Up<br>Data Collection: EPC culturesThursday<br>May 309 AMJoan JorgensenUniversity of WisconsinLecture: Sex Determination and the Battle<br>of the Sexes: Conadal Cells: "Duke it Out"<br>Health OutcomesFriday<br>May 319 AMJoan JorgensenUniversity of WisconsinLecture: Sex Determination and the Battle<br>of the Sexes: Conadal Cells: "Duke it Out"<br>Health OutcomesFriday<br>May 319 AMJoan JorgensenUniversity of WisconsinLecture:  |        | 9 AM   |                   | Oregon Health & Science     | Lab: Placenta staining                      |  |  |  |
| 1:30 PM   Margaret Petroff   Michigan State University<br>Oregon Health & Science<br>University   Lab: Placenta Dissection; and Ectoplacental<br>Cone Dissection and Culture<br>Finish placenta staining     4:30 PM   Miranda<br>Bernhardt   Washington State University   Lab: Wrapup: Embryo Transfer and ES cell<br>injection     7 PM   Lynda Harris   University of Nebraska   Lecture: Human Placenta and Pregnancy<br>Complications     Wednesdaa<br>May 28   9 AM   Tom Spencer   University of Missouri   Lecture: Implantation and placentation of<br>domestic animals     1 PM   Tom Spencer   University of Missouri   Lab: Placentation in domestic animals     3:30 -<br>5:30 PM   Students   Practice Presentations<br>Data Collection: stained placentas & EPC<br>cultures     7 PM   Margaret Petroff   Michigan State University   Lecture: Placenta/Infection/organoids     May 29   9 AM   Carolyn Coyne   Duke University   Lecture: Placenta/Infection/organoids     May 29   9 AM   Carolyn Coyne   Duke University   Lab: Flow Cytometry     1 PM   Margaret Petroff   Michigan State/OHSU   Placenta Lab Wrap Up<br>Data Collection: EPC cultures     7 PM   Lisa Vrooman   Michigan State/OHSU   Placenta Lab Wrap Up<br>Data Collection: EPC cultures     7 PM   Lisa Vrooman   Oregon Health and Science<br>University of Wisconsin   Lecture: Retal Programming of Long-Term<br>Health Outcomes   |        |  |                   | University of Calgary       |   |  |  |  |
| Image: stature status     Lisa Vrooman oregon Health & Science University     Check 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     9 AM     Tom Spencer     University of Missouri     Lecture: Implantation and placentation of domestic animals       3:30 - 5:30 PM     Students     Students     Practice Presentations Data Collection: stained placentas & EPC cultures       7 PM     Margaret Petroff     Michigan State University     Lecture: Placenta/Infection/organoids       May 29     9 AM     Carolyn Coyne     Duke University     Lecture: Placenta/Infection/organoids       May 29     9 AM     Carolyn Coyne     Duke University     Lecture: Placenta/Infection/organoids       May 29     9 AM     Carolyn Coyne     Duke University     Lecture: Placenta/Infection/organoids       May 29     9 AM     Carolyn Coyne     Duke University     Lecture: Placenta/Infection/organoids       May 29     9 AM     Carolyn Coyne     Oregon Health and Science Lecture: Fetal Programming of Long-Term Health Outcomes       Friday     9 AM   |        | 1:30 PM  |                   |                             | Lab: Placenta Dissection; and Ectoplacental |  |  |  |
| 4:30 PM     Miranda<br>Bernhardt     Washington State University     Lab Wrapup: Embryo Transfer and ES cell<br>injection       7 PM     Lynda Harris     University of Nebraska     Lecture: Human Placenta and Pregnancy<br>Complications       Wednesday<br>May 28     9 AM     Tom Spencer     University of Missouri     Lecture: Implantation and placentation of<br>domestic animals       1 PM     Tom Spencer     University of Missouri     Lab: Placentation in domestic animals       3:30 –<br>5:30 PM     Students     Practice Presentations<br>Data Collection: stained placentas & EPC<br>cultures       7 PM     Margaret Petroff     Michigan State University     Lecture: Reproductive Immunology       7 PM     Margaret Petroff     Michigan State 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<br>Data Collection: EPC cultures       7 PM     Joan Jorgensen     University of Wisconsin     Lecture: Sex Determination and the Battle<br>of the Sexes: Gonadal Cells "Duke it Out"       May 30     9 AM     Joan Jorgensen     University of Wisconsin     Lecture: Sex Determination and the Battle<br>of the Sexes: Gonadal Cells "Duke it Out"       May 31     Pam     Joan Jorg  |        |  |                   | Oregon Health & Science     | Cone Dissection and Culture                 |  |  |  |
| Wednesday<br>May 28       9 AM       Tom Spencer       University of Missouri       Lecture: Implantation and placentation of<br>domestic animals         1 PM       Tom Spencer       University of Missouri       Lab: Placentation in domestic animals         3:30 –<br>5:30 PM       Students       Practice Presentations<br>Data Collection: stained placentas & EPC<br>cultures         7 PM       Margaret Petroff       Michigan State University       Lecture: Reproductive Immunology         Thursday<br>May 29       9 AM       Carolyn Coyne       Duke University       Lecture: Placenta/Infection/organoids         1 PM       Margaret Petroff       Michigan State University       Lecture: Placenta/Infection/organoids         1 PM       Margaret Petroff       Michigan State/OHSU       Placenta Lab Wrap Up<br>Data Collection: EPC cultures         1 PM       Isa Vrooman       Oregon Health and Science<br>University       Lecture: Fetal Programming of Long-Term<br>Health Outcomes         Friday<br>May 30       9 AM       Joan Jorgensen       University of Wisconsin       Lecture: Sex Determination and the Battle<br>of the Sexes: Gonadal Cells "Duke it Out"<br>Lab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonada – 1         7 PM       Soo Hyun Ahn       Michigan State University       Workshop: Flow Cytometry Analysis<br>Students analyze flow data  |        | 4:30 PM  |                   | Washington State University | Lab Wrapup: Embryo Transfer and ES cell     |  |  |  |
| May 28     Image: Constraint of the series o                    |        | 7 PM   | Lynda Harris      | University of Nebraska      |   |  |  |  |
| May 28     Image: Constraint of the series o                    |        |  |                   |                             |   |  |  |  |
| 3:30 –     Students     Practice Presentations<br>Data Collection: stained placentas & EPC<br>cultures       7 PM     Margaret Petroff     Michigan State University     Lecture: Reproductive Immunology       Thursday<br>May 29     9 AM     Carolyn Coyne     Duke University     Lecture: Placenta/Infection/organoids       1 PM     Margaret Petroff     Michigan State University     Lecture: Placenta/Infection/organoids       1 PM     Margaret Petroff     Michigan State/OHSU     Placenta Lab Wrap Up<br>Data Collection: EPC cultures       7 PM     Lisa Vrooman     Oregon Health and Science<br>University     Lecture: Fetal Programming of Long-Term<br>Health Outcomes       Friday<br>May 30     9 AM     Joan Jorgensen     University of Wisconsin     Leb: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 1       7 PM     Soo Hyun Ahn     Michigan State University     Workshop: Flow Cytometry Analysis<br>Students analyze flow data  |        | 9 AM   | Tom Spencer       | University of Missouri      |   |  |  |  |
| 5:30 PMData Collection: stained placentas & EPC<br>cultures7 PMMargaret PetroffMichigan State UniversityLecture: Reproductive ImmunologyThursday<br>May 299 AMCarolyn CoyneDuke UniversityLecture: Placenta/Infection/organoids1 PMMargaret PetroffMichigan State UniversityLab: Flow Cytometry4:30 PMPetroff/VroomanMichigan State/OHSUPlacenta Lab Wrap Up<br>Data Collection: EPC cultures7 PMLisa VroomanOregon Health and Science<br>UniversityLecture: Fetal Programming of Long-Term<br>Health OutcomesFriday<br>May 309 AMJoan JorgensenUniversity of WisconsinLecture: Sex Determination and the Battle<br>of the Sexes: Gonadal Cells "Duke it Out"T PMJoan JorgensenUniversity of WisconsinLab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 1T PMSoo Hyun AhnMichigan State UniversityWorkshop: Flow Cytometry Analysis<br>Students analyze flow dataSaturday<br>May 319 AMJoan JorgensenUniversity of WisconsinLab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 2   |        |  | Tom Spencer       | University of Missouri      | Lab: Placentation in domestic animals       |  |  |  |
| Thursday<br>May 299 AMCarolyn CoyneDuke UniversityLecture: Placenta/Infection/organoids1 PMMargaret PetroffMichigan State UniversityLab: Flow Cytometry4:30 PMPetroff/VroomanMichigan State/OHSUPlacenta Lab Wrap Up<br>Data Collection: EPC cultures7 PMLisa VroomanOregon Health and Science<br>UniversityLecture: Fetal Programming of Long-Term<br>Health OutcomesFriday<br>May 309 AMJoan JorgensenUniversity of WisconsinLecture: Sex Determination and the Battle<br>of the Sexes: Gonadal Cells "Duke it Out"<br>Lab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 1Saturday<br>May 319 AMJoan JorgensenUniversity of WisconsinLab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 2  |        |  | Students          |                             | Data Collection: stained placentas & EPC    |  |  |  |
| May 29     1 PM     Margaret Petroff     Michigan State University     Lab: Flow Cytometry       4:30 PM     Petroff/Vrooman     Michigan State/OHSU     Placenta Lab Wrap Up<br>Data Collection: EPC cultures       7 PM     Lisa Vrooman     Oregon Health and Science<br>University     Lecture: Fetal Programming of Long-Term<br>Health Outcomes       Friday<br>May 30     9 AM     Joan Jorgensen     University of Wisconsin     Lecture: Sex Determination and the Battle<br>of the Sexes: Gonadal Cells "Duke it Out"       1 PM     Joan Jorgensen     University of Wisconsin     Lecture: Sex Determination of Germ<br>Cells from Embryonic Mouse Gonads – 1       7 PM     Soo Hyun Ahn     Michigan State University     Workshop: Flow Cytometry Analysis<br>Students analyze flow data       Saturday<br>May 31     9 AM     Joan Jorgensen     University of Wisconsin     Lab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 2   |        | 7 PM   | Margaret Petroff  | Michigan State University   |   |  |  |  |
| May 29     1 PM     Margaret Petroff     Michigan State University     Lab: Flow Cytometry       4:30 PM     Petroff/Vrooman     Michigan State/OHSU     Placenta Lab Wrap Up<br>Data Collection: EPC cultures       7 PM     Lisa Vrooman     Oregon Health and Science<br>University     Lecture: Fetal Programming of Long-Term<br>Health Outcomes       Friday<br>May 30     9 AM     Joan Jorgensen     University of Wisconsin     Lecture: Sex Determination and the Battle<br>of the Sexes: Gonadal Cells "Duke it Out"       1 PM     Joan Jorgensen     University of Wisconsin     Lecture: Sex Determination of Germ<br>Cells from Embryonic Mouse Gonads – 1       7 PM     Soo Hyun Ahn     Michigan State University     Workshop: Flow Cytometry Analysis<br>Students analyze flow data       Saturday<br>May 31     9 AM     Joan Jorgensen     University of Wisconsin     Lab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 2   |        |  |                   |                             |   |  |  |  |
| A:30 PM     Petroff/Vrooman     Michigan State/OHSU     Placenta Lab Wrap Up<br>Data Collection: EPC cultures       7 PM     Lisa Vrooman     Oregon Health and Science<br>University     Lecture: Fetal Programming of Long-Term<br>Health Outcomes       Friday<br>May 30     9 AM     Joan Jorgensen     University of Wisconsin     Lecture: Sex Determination and the Battle<br>of the Sexes: Gonadal Cells "Duke it Out"       1 PM     Joan Jorgensen     University of Wisconsin     Lab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 1       7 PM     Soo Hyun Ahn     Michigan State University     Workshop: Flow Cytometry Analysis<br>Students analyze flow data       Saturday<br>May 31     9 AM     Joan Jorgensen     University of Wisconsin     Lab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 2   |        | 9 AM   | Carolyn Coyne     | Duke University             | Lecture: Placenta/Infection/organoids       |  |  |  |
| Image: A startday<br>May 31Image: A startday<br>May 31Data Collection: EPC cultures<br>Lecture: Fetal Programming of Long-Term<br>Lecture: Fetal Programming of Long-Term<br>Health OutcomesFriday<br>May 309 AMJoan JorgensenUniversity of WisconsinLecture: Sex Determination and the Battle<br>of the Sexes: Gonadal Cells "Duke it Out"Friday<br>May 309 AMJoan JorgensenUniversity of WisconsinLecture: Sex Determination and the Battle<br>of the Sexes: Gonadal Cells "Duke it Out"Friday<br>May 319 AMJoan JorgensenUniversity of WisconsinLab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 1Saturday<br>May 319 AMJoan JorgensenUniversity of WisconsinLab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 2  |        | 1 PM   | Margaret Petroff  | Michigan State University   | Lab: Flow Cytometry                         |  |  |  |
| Friday<br>May 30     9 AM     Joan Jorgensen     University of Wisconsin     Lecture: Sex Determination and the Battle<br>of the Sexes: Gonadal Cells "Duke it Out"       1 PM     Joan Jorgensen     University of Wisconsin     Lab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 1       7 PM     Soo Hyun Ahn     Michigan State University     Workshop: Flow Cytometry Analysis<br>Students analyze flow data       Saturday<br>May 31     9 AM     Joan Jorgensen     University of Wisconsin     Lab: Isolation and Identification of Germ<br>Cells from Embryonic Mouse Gonads – 2  |        | 4:30 PM  | Petroff/Vrooman   | Michigan State/OHSU         |   |  |  |  |
| May 30     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     9 AM     Joan Jorgensen     University of Wisconsin     Lab: Isolation and Identification of Germ Cells from Embryonic Mouse Gonads – 2  |        | 7 PM   | Lisa Vrooman      | •                           |   |  |  |  |
| May 30     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     9 AM     Joan Jorgensen     University of Wisconsin     Lab: Isolation and Identification of Germ Cells from Embryonic Mouse Gonads – 2  |        |  |                   |                             |   |  |  |  |
| Image: state of the system          |        | 9 AM   | Joan Jorgensen    | University of Wisconsin     |   |  |  |  |
| Saturday     9 AM     Joan Jorgensen     University of Wisconsin     Lab: Isolation and Identification of Germ       May 31     0     0     0     0   |        | 1 PM   | Joan Jorgensen    | University of Wisconsin     |   |  |  |  |
| May 31 Cells from Embryonic Mouse Gonads – 2  |        | 7 PM   | Soo Hyun Ahn      | Michigan State University   |   |  |  |  |
| May 31 Cells from Embryonic Mouse Gonads – 2  |        |  |                   |                             |   |  |  |  |
|   |        |  | -                 | -                           | Cells from Embryonic Mouse Gonads – 2       |  |  |  |
| 1 PM Hanne Michigan State University Lab: Setup for Circadian Rhythms   |        | 1 PM   | Hanne<br>Hoffmann | Michigan State University   | Lab: Setup for Circadian Rhythms            |  |  |  |
| Free Evening  |        | Free Evening   |                   |                             |   |  |  |  |

| FIR2024 SECTION 3<br>WEEK 2: June 2 – June 6 |       |                        |   |  |  |  |  |
|--|-------|------------------------|---|--|--|--|--|
| Date   | Time  | Faculty                | Affiliation                                       | Activity   |  |  |  |
| Sunday<br>June 1                             |       |                        | Free Day  |  |  |  |  |
|  |       |                        |   |  |  |  |  |
| Monday<br>June 2                             | 9 AM  | Clémence<br>Belleannée | Laval University                                  | Lecture: Intercellular cross-talks in the epididymis |  |  |  |
|  | 1 PM  | Clémence<br>Belleannée | Laval University                                  | Lab: Wolffian & Müllerian duct<br>development        |  |  |  |
|  | 7 PM  | Richard<br>Behringer   | University of Texas, MD<br>Anderson Cancer Center | Reproductive Tract Devleopment                       |  |  |  |
|  |       |                        |   |  |  |  |  |
|  | 9 AM  | Mariana Wolfner        | Cornell University                                | Lecture: Gametogenesis in<br>Drosophila              |  |  |  |
|  | 11 AM | Mariana Wolfner        | Cornell University                                | Lab Demo: Fly Reproduction                           |  |  |  |
| Tuesday<br>June 3                            | 1 PM  | Mariana Wolfner        | Cornell University                                | Lab: Fly Reproduction                                |  |  |  |
|  | 5 PM  | Clémence<br>Belleannée | Laval University                                  | Lab Wrapup   |  |  |  |
|  | 7 PM  | Erika Matunis          | Johns Hopkins University                          | Lecture: Stem Cells in <i>Drosophila</i><br>Testis   |  |  |  |
|  |       |                        |   |  |  |  |  |
| Wednesday<br>June 4                          | 9 AM  | Hanne<br>Hoffmann      | Michigan State University                         | Lecture:<br>Circadian Rhythms                        |  |  |  |
|  | 1 PM  | Hanne<br>Hoffmann      | Michigan State University                         | Lab: Circadian Rhythms                               |  |  |  |
|  | 7 PM  | Sam Mesiano            | Case Western Reserve University                   | Lecture: Parturition                                 |  |  |  |
|  |       |                        |   |  |  |  |  |
| Thursday<br>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<br>June 6                             |       |                        | FIR Symposium                                     |  |  |  |  |
|  |       |                        |   |  |  |  |  |
| Saturday<br>June 7                           |       |                        | FIR Symposium                                     |  |  |  |  |