

Neurobiology M227 / Physiological Science 227
“Neuroendocrinology of Reproduction” (4 units)
 2008 Class Schedule

**Wednesdays 2:00-4:00 PM and Fridays 2:00-4:00 PM in
 Rm 63-241 CHS (JD Green Rm in the Dept of Neurobiology)**

| <u>Day & Date</u> | <u>Lecture Topics</u> | <u>Instructors</u> |
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| Wed 1/09 | <i>Organization of the Neuroendocrine System</i> | Dr. Micevych |
| Fri 1/11 | <i>Structural & Functional Organization of the Hypothalamus</i> | Dr. Dong |
| Wed 1/16 | <i>Reproductive Messengers in the Brain</i> | Dr. Micevych |
| Fri 1/18 | <i>Regulation of Gonadal Function</i> | Dr. Wagner |
| Wed 1/23 | <i>The Ovary as an Endocrine & Reproductive Organ</i> | Dr. Micevych |
| Fri 1/25 | <i>The Testis as an Endocrine & Reproductive Organ</i> | Dr. Vilain |
| Wed 1/30 | <i>Sexual Differentiation of the Reproductive System</i> | Dr. Vilain |
| Fri 2/01 | <i>Circadian regulation of reproduction</i> | Dr. Colwell |
| Wed 2/06 | <i>Gonadotropin action</i> | Dr. LaPolt |
| Fri 2/08 | <i>Mechanisms of Action of Steroid Hormones in the Brain</i> | Dr. Schlinger |

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| The Midterm Exam will consist of several essay questions. You will receive questions on Monday (2/11/08), and they will be due on the following Monday (2/15/08). |
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| Wed 2/13 | <i>Open for Midterm Exam</i> | |
| Fri 2/15 | <i>Cytokines in Reproductive Biology</i> | Dr. Martinez-Maza |
| Wed 2/20 | <i>Sexual Differentiation of the Brain: Epigenetic Control</i> | Dr. Gorski |
| Fri 2/22 | <i>Male and Female Reproductive Behavior: Rodent models</i> | Dr. Sinchak |
| Wed 2/27 | <i>Sexual Differentiation of the Brain: Genetic Components</i> | Dr. Arnold |
| Fri 2/29 | <i>Gender stereotypes and gender identities</i> | Dr. Vilain |
| Wed 3/05 | <i>Puberty</i> | Dr. Gorski |
| Fri 3/07 | <i>Fertility and, Contraception</i> | Dr. Anita Nelson |
| Wed 3/12 | <i>Reproductive Senescence in Women: Follicular Reserve, Perimenopause, and Menopause</i> | Dr. Kuo |
| Fri 3/14 | <i>Neuroendocrinology of neurological disease</i> | Dr. Voskuhl |

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| The Final Exam will consist of several essay questions. You will receive questions on Friday (3/14/08), and they will be due on the following Friday (2/ 21/08). |
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REQUIRED TEXTBOOK:

Essential Reproduction, 6th ed, MH Johnson & BJ Everitt. Available in the medical school bookstore (CHS, 1st floor), and also on reserve in the Biomedical Library.

USEFUL REFERENCES:

Reproductive Endocrinology, SC Yen & RB Jaffe
The Physiology of Reproduction, E Knobil & JD Neill
Neuroendocrinology of Reproduction, NT Adler
Textbook of Endocrine Physiology, Griffin & Ojeda