

# BC225/NB230 Epigenetics in health and disease, Fall 2019

Monday 1:00-2:30 (~2:15)

Thursday 1:00-2:30 (~2:15)

Location: TBN/Hitachi Plumwood Auditorium

## I. Basic concept of epigenetics (lecture only)

**M 9/30/19** (1) Introduction/ **Special Lecture by Tim Downing** (DNA methylation)

**Th 10/3/19** (2) Nuclear organization (Yokomori-1)

**M 10/7/19** (3) Histone modifying enzymes (Masri-1)

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**Th 10/10/19** (4) Cutting edge techniques and reagents to study epigenetics (Zymo)

**M 10/14/19** (5) **Special Lecture by Rob Spitale**

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## II. Chromatin regulation in development

**Th 10/17/19** (6) Chromatin Regulation in Development and Stem Cells (Dai-1)

**M 10/21/19** (7) Discussion (Dai-2)

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**Th 10/24/19** (8): Chromatin regulation in filament development (Liu-1)

**M 10/28/19** (9) Discussion (Liu-2)

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## III. Chromatin regulation in human health and disease

**W 10/30/19** (10) **BC Seminar Trey Ideker UCSD (Hitachi Plumwood Auditorium)**

**Th 10/31/19** (11) Histone modifying enzymes in learning and memory (Wood-1)

**M 11/4/19** (12) Discussion (Wood-2)

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**Th 11/7/19** (--) No class

**M 11/11/19** (--) No class

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**Th 11/14/19** (13) Epigenetics and metabolism (Masri-2)

**M 11/18/19** (14) Discussion (Masri-3)

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**Th 11/21/19** (15) The role of histone modifying enzymes in addiction (Wood-3):

**M 11/25/19** (16) Discussion (Wood-4)

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**M 12/2/19** (17) Epigenetic abnormality in human disorders I (Yokomori-2)

**Th 12/5/19** (18) Discussion (Yokomori-3)

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**Fr 12/6/19** (19) Epigenetics Day

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**M 12/9/19** (20) Discussion (Yokomori-4)