

08/21/2021; vs5

Plant Molecular Biology – Fall 2021; Course No. 16:765:513 and 11:126:413
 Fall Semester Classes start Wednesday, September 1, 2021; end December 13, 2021;
 Thanksgiving Recess Nov. 25 – Nov. 28; Exams Dec. 16 – Dec. 22
 Cook/Douglass Lecture Hall, CDL-109; 3 College Farm Road, Bldg. No. 8840

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|------------------------------------|---------------------------------|------------------------------|--------------|
| Dr. Pal Maliga, Course Coordinator | maliga@waksman.rutgers.edu | Waksman Institute, Rm 2008A | 848-445-5329 |
| Dr. Juan Dong | dong@waksman.rutgers.edu | Waksman Institute, Rm. 1012A | 848-445-7034 |
| Dr. Andrea Gallavotti | agallavotti@waksman.rutgers.edu | Waksman Institute, Rm. 3008A | 848-445-6421 |
| Dr. Mark Zander | mzander@waksman.rutgers.edu | Waksman Institute, Rm. 2005A | 848-445-4684 |
| Dr. Eric Lam | eric.lam@rutgers.edu | Foran Hall, Rm. 216 | 848-932-6351 |

Mondays and Thursdays 11 am - 12:20 pm

| <i>Date</i> | <i>Topic</i> | <i>Lecturer</i> |
|-------------------------|---|---------------------------|
| September 2 - Th | 1. Transcription | PM |
| <i>September 6 - M</i> | <i>Labor Day</i> | |
| September 9 - Th | 2. mRNA processing and turnover | PM |
| September 13 - M | 3. Translation | PM |
| September 16 - Th | 4. Protein stability and turnover | PM |
| September 20 - M | 5. Subcellular protein targeting | PM |
| September 23 - Th | 6. Regulation by small RNAs | PM |
| September 27 - M | 7. Chloroplasts | PM |
| September 30 - Th | 8. Mitochondria | PM |
| <i>October 4 - M</i> | <i>First Hourly Exam</i> | <i>PM</i> |
| October 7 - Th | 9. Agrobacterium & Transgenic plants | PM |
| October 11 - M | 10. Genome Engineering | PM |
| October 14 - Th | 11. Functional genomics | JD |
| October 18 - M | 12. Proteomics | JD |
| October 21 - Th | 13. Cell-type specific analyses | JD |
| October 25 - M | 14. Chromatin structure and dynamics | MZ |
| October 28 - Th | 15. Epigenetics | JD |
| November 1 - M | 16. Programmed Cell Death | EL |
| November 4 - Th | 17. Light signaling | JD |
| <i>November 8 - M</i> | <i>Second Hourly Exam</i> | <i>EL, PM, JD, MZ</i> |
| November 11 - Th | 18. Flower development | JD |
| November 15 - M | 19. Meristem development | AG |
| November 18 - Th | 20. Plant Hormones I -Auxin | AG |
| November 22 - M | 21. Plant Hormones II | AG |
| <i>November 25 - Th</i> | <i>Thanksgiving Recess November 25-28</i> | |
| November 29 - M | 22. Stem cells | JD |
| December 2 - Th | 23. Plant cell cycle and mitoses | JD |
| December 6 - M | 24. Cytoskeleton | JD |
| December 9 - Th | 25. Cell-cell communication | JD |
| <i>December 13 - M</i> | <i>Third Hourly Exam</i> | <i>JD, AG</i> |

Exams: The exams will be in short essay format, 10 questions each worth 10 points. The hourly exams are scheduled for October 4, 2021 and November 8, 2021 and December 13, 2021.

Grading: There will be three hourly exams, worth 30%/40%/30% of the final grade.

Attendance: This is an in-person class, attendance is required. Students can miss two classes, if the absence is justified and pre-approved by Drs. Maliga or Dong. Each additional absence will result in 5 point reduction from the final grade.

Classes are in Cook/Douglass Lecture Hall, CDL-109; 3 College Farm Road, Bldg. No. 8840

PLANT MOLECULAR BIOL (11:126:413)

Index Section Exam Code

18363 01 C

PLANT MOLECULAR BIOL (16:765:513)

Index Section Exam Code

21652 01 A