

CAMB 605 Course Syllabus (Fall 2023)

Tuesdays 1:45-3:15p
September 5 – December 12, 2023

Course Directors:

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Paper Presentation Schedule

9/5. CAMB 605 Course Overview

9/12. MVP. Human STING is a proton channel
Science 2023. <https://pubmed.ncbi.nlm.nih.gov/37535724/>

9/19. G&E. A signalling pathway for transcriptional regulation of sleep amount in mice
Nature 2022. <https://www.nature.com/articles/s41586-022-05510-6>

9/26. CPM. REV-ERB nuclear receptors in the suprachiasmatic nucleus control circadian period and restrict diet-induced obesity
Sci Adv 2021. <https://pubmed.ncbi.nlm.nih.gov/34705514/>

10/3. GTV. Personalized RNA neoantigen vaccines stimulate T cells in pancreatic cancer
Nature 2023. <https://doi.org/10.1038/s41586-023-06063-y>

10/10. DSRB. Post-gastrulation synthetic embryos generated *ex utero* from mouse naive ESCs
Cell 2022. <https://doi.org/10.1016/j.cell.2022.07.028>

10/17. CB. Oncogene-like addiction to aneuploidy in human cancers
Science 2023. <https://www.science.org/doi/10.1126/science.adg4521>

10/24 – No CAMB 605 class

10/31. MVP. A viral biomolecular condensate coordinates assembly of progeny particles
Nature 2023. <https://www.nature.com/articles/s41586-023-05887-y>

G&E 11/7. Polygenic scoring accuracy varies across the genetic ancestry continuum.
Nature 2023. <https://www.nature.com/articles/s41586-023-06079-4>

CPM 11/14. Circadian Entrainment Triggers Maturation of Human In Vitro Islets
Cell Stem Cell 2020. <https://pubmed.ncbi.nlm.nih.gov/31839570/>

11/21 – No CAMB 605 class

11/28. GTV. TET2 guards against unchecked BATF3-induced CAR T cell expansion
Nature 2023. <https://doi.org/10.1038/s41586-022-05692-z>

12/5. DSRB. Embryo model completes gastrulation to neurulation and organogenesis
Nature 2022. <https://doi.org/10.1038/s41586-022-05246-3>

12/12. CB. A covalent inhibitor of K-Ras(G12C) induces MHC class I presentation of haptened peptide neoepitopes targetable by immunotherapy
Cancer Cell 2022. <https://pubmed.ncbi.nlm.nih.gov/36099883/>