

CAMB 605 Course Syllabus (Fall 2024)

Tuesdays 1:45-3:15p
September 3 – December 10, 2023

Course Director: Matt Good (mattgood@penncmedicine.upenn.edu), 1151 BRB

Paper Presentation Schedule

9/3. CAMB 605 Course Overview

9/10. MVP. Blood culture-free ultra-rapid antimicrobial susceptibility testing
Nature 2024. <https://pubmed.ncbi.nlm.nih.gov/39048820/>

9/17. G&E. RNA damage compartmentalization by DHX9 stress granules
Cell 2024. <https://pubmed.ncbi.nlm.nih.gov/38503283/>

9/24. CPM. An airway-to-brain sensory pathway mediates influenza-induced sickness
Nature 2023. <https://pubmed.ncbi.nlm.nih.gov/36890237/>

10/1. GTV. Engineered CD47 protects T cells for enhanced antitumour immunity
Nature 2024. <https://pubmed.ncbi.nlm.nih.gov/38750365/>

10/8. DSRB. Airway hillocks are injury-resistant reservoirs of unique plastic stem cells
Nature 2024. <https://pubmed.ncbi.nlm.nih.gov/38693267/>

10/15. CB. Early clonal extinction in glioblastoma progression revealed by genetic barcoding
Cancer Cell 2023. <https://pubmed.ncbi.nlm.nih.gov/37541243/>

10/22 – No CAMB 605 class

10/29. MVP. Pathogen-driven CRISPR screens identify TREX1 as a regulator of DNA self-sensing...
Cell Host & Microbe 2023. <https://pubmed.ncbi.nlm.nih.gov/37652009/>

11/5. G&E. Autonomous transposons tune their sequences to ensure somatic suppression
Nature 2024. <https://pubmed.ncbi.nlm.nih.gov/38355802/>

11/12. CPM. CLSTN3 β enforces adipocyte multilocularity to facilitate lipid utilization
Nature 2023. <https://pubmed.ncbi.nlm.nih.gov/36477540/>

11/19. GTV. Naturally occurring T cell mutations enhance engineered T cell therapies
Nature 2024. <https://pubmed.ncbi.nlm.nih.gov/38326614/>

11/26 – No CAMB 605 class

12/3. DSRB. Cell-type-directed design of synthetic enhancers
Nature 2024. <https://pubmed.ncbi.nlm.nih.gov/38086419/>

12/10. CB. CD8+ T cells maintain killing of MHC-I-negative tumor cells through NKG2D-NKG2DL axis
Nature Cancer 2023. <https://pubmed.ncbi.nlm.nih.gov/37537301/>