

Glycobiology (2025) T3544
 Department of Medical Laboratory Science and Biotechnology, NCKU
 Course organizers: Chuan-Fa Chang Ph. D. (5796)
Time: 10:10-12:00, Thursday
Place: Room 13206, 2nd Research Building

Date (2025)	Lecture title	Speaker	Presenter	Question
1. 09/11	Concepts of glycobiology	C. F. Chang		
2. 09/18	General pathways for biosynthesis and biological roles	W. L. Lin		
3. 09/25	N-linked and O-linked glycosylation	C. F. Chang		
4. 10/02	Monosaccharide metabolism and sugar nucleotides	C. F. Chang	周厚揚	徐颯琪 李梁玉欣
5. 10/09	Glycolipids and Membrane Protein Glycosylation	W. L. Lin		李翊瑄 洪禎吟
6. 10/16	Nucleocytoplasmic glycosylation and the O-GlcNAc Modification	C. F. Chang	李梁玉欣	林芳羽 余芮綺
7. 10/23	Effects on glycosylation on protein structure and function	H. C. Huang	李翊瑄	廖奕安 羅靖蓉
8. 10/30	Glycosyltransferases and glycosidases	W. L. Lin	洪禎吟	張依縈 饒彧帆
9. 11/06	Midterm-Exam	W. L. Lin		
10. 11/13	Glycoprotein trafficking	W. L. Lin	余芮綺	鄭竹茵 周厚揚
11. 11/20	Glycobiology in Plants, Bacteria, and Virus	W. L. Lin	林芳羽	黃芷蔚 莊芸晴
12. 11/27	Glycosylation in congenital and systemic diseases	W. L. Lin	張依縈	李翊瑄 李梁玉欣
13. 12/04	Glycosylation in cancer	H. C. Huang	羅靖蓉	余芮綺 廖奕安
14. 12/11	Carbohydrate recognition	C. F. Chang	廖奕安	林芳羽
15. 12/18	Glycan structure analysis and glycomics	C. F. Chang	饒彧帆	洪禎吟 黃郁芸 周厚揚 張依縈 黃芷蔚 黃郁芸 莊芸晴 莊芸晴 羅靖蓉 饒彧帆 鄭竹茵
16. 01/08	Final Exam	W. L. Lin	黃芷蔚 莊芸晴 鄭竹茵 黃郁芸	

Evaluation: Presentation and questions: 20%; mid-exam: 40%; final exam: 40%

Textbook: Introduction to Glycobiology, Maureen E. Taylor, Kurt Drickamer, 2011, Oxford University Press Inc., New York.