HATANAKA LAB.

[Glyco-Biotechnology and Fluorous Biotechnology]

Department of Materials and Environmental Science

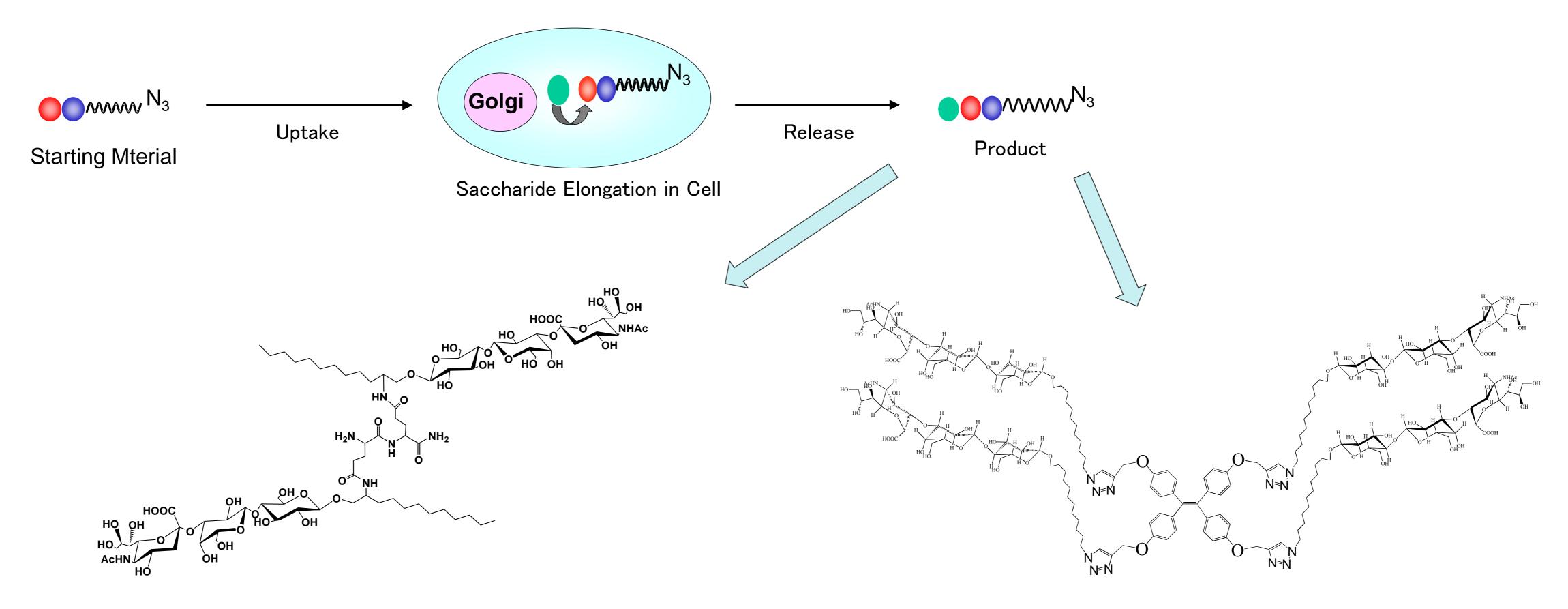
http://www.chembio.t.u-tokyo.ac.jp/labs/hatanaka.html

Department of Chemistry and Biotechnology

Biomaterial Engineering

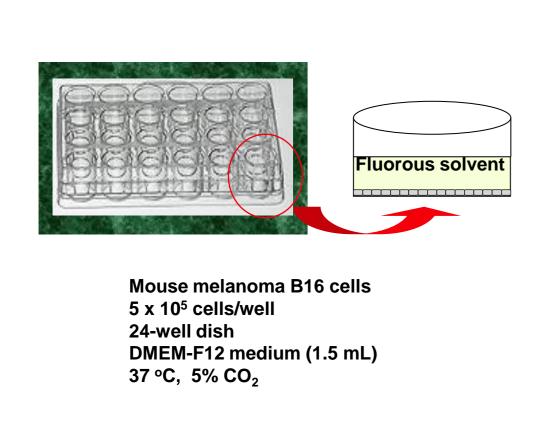
Glyco-Biotechnology & Fluorous Biotechnology

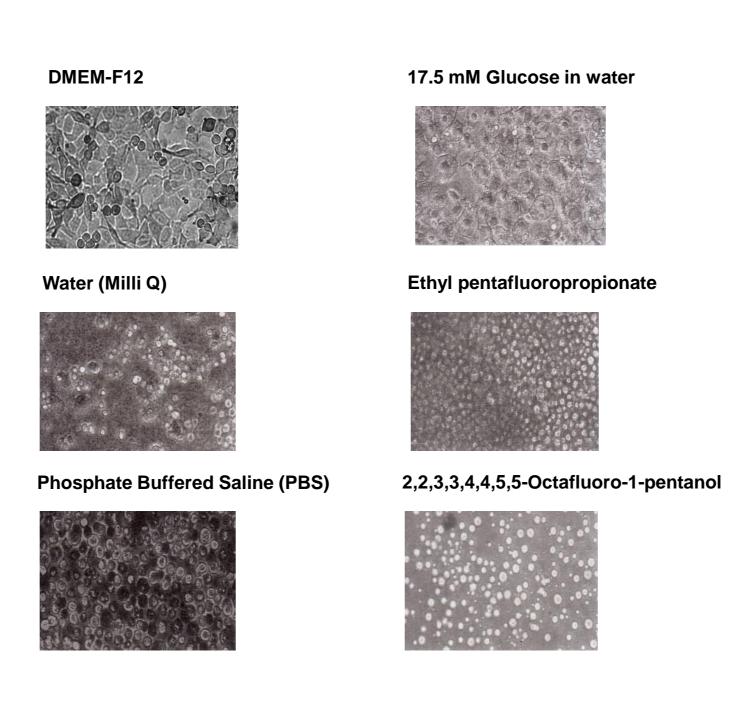
◆Glyco-Biotechnology: Oligosaccharide Production Using Mammalian Cells

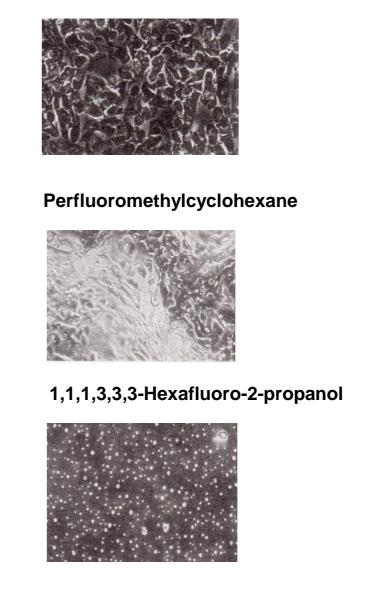


Inhibitory effect on EGF-induced receptor tyrosine kinase

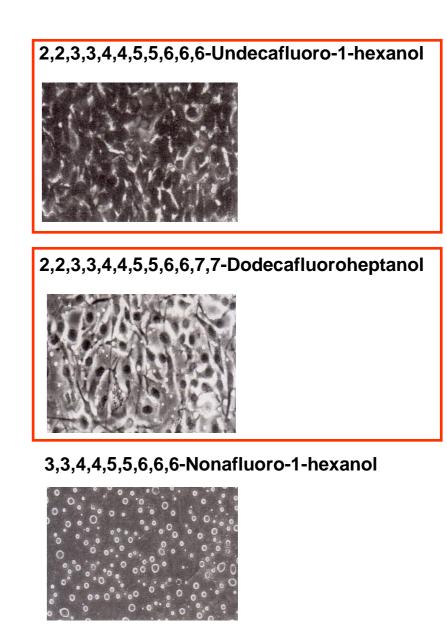
- → Development of new antitumor agent
- A fluorescent material that emits visible light by interacting with influenza virus
- → Diagnostic method for influenza
- ◆Fluorous Biotechnology: Cell Culture in Fluorous Solvents







4,4,5,5,5-Pentafluoropentanol



Fluorous solvents contain high concentration of O_2 . \rightarrow Development of new cell culture system