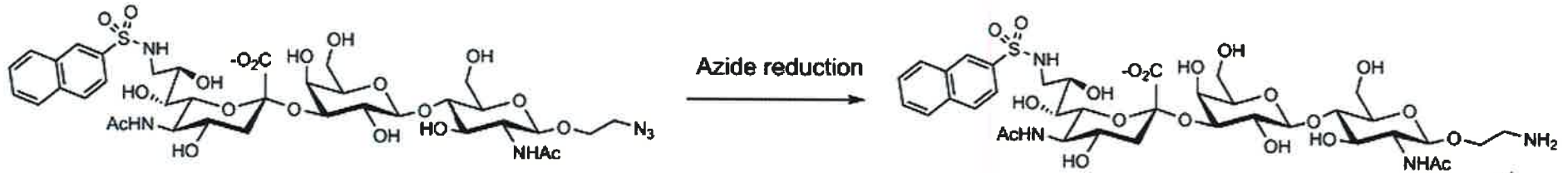
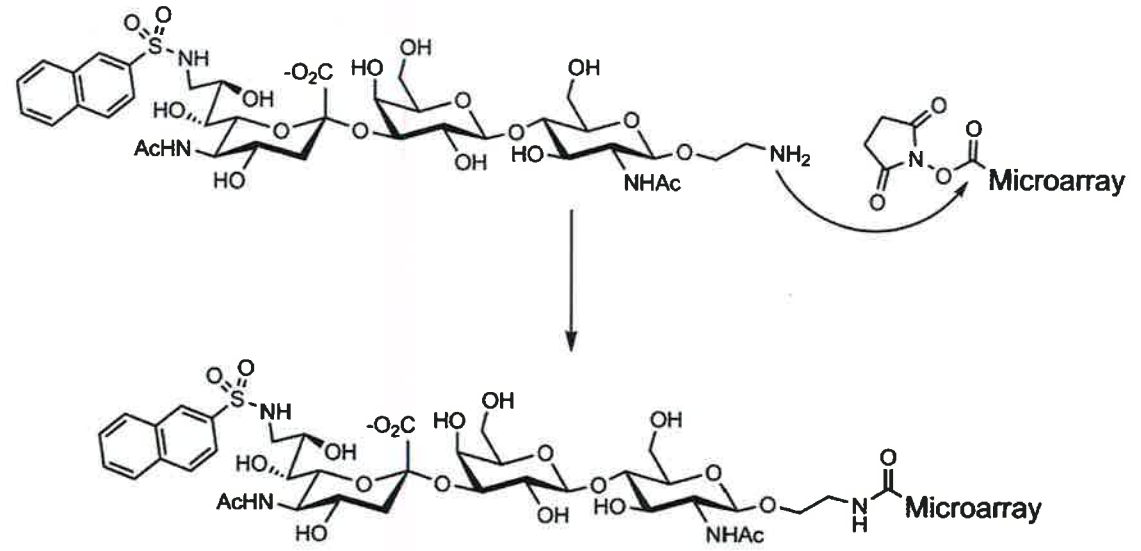


Preparation of glycans for microarray printing (Module 2)



Reactive amine...

...for printing on NHS-activated slides:



Ryan McBride

TSRI Custom Microarray Fabrication Core

Module 2

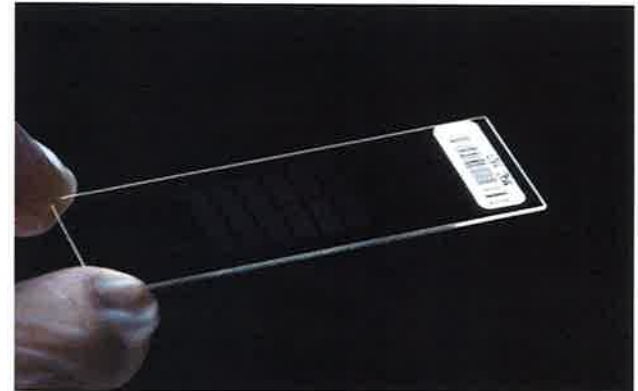
Glycan Array Printing & Analysis



Purified sialosides
and
sialo-analogues



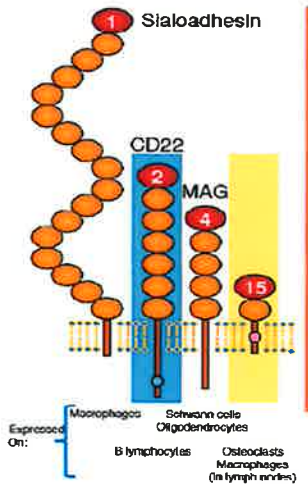
Design
and
Plate preparation



Microarray Fabrication

Human Siglecs

Classic Siglecs (Conserved among species)

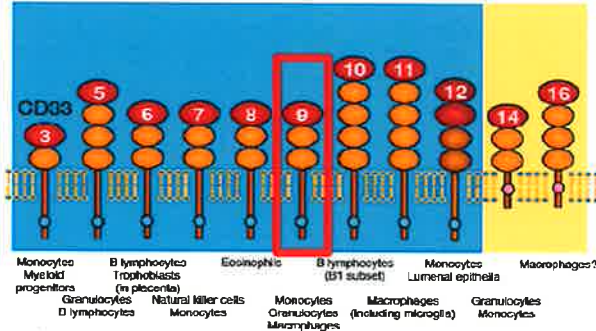


Inhibitory ● ITIM (Inhibitory motif)
Activating ● Arg/Lys in TM domain

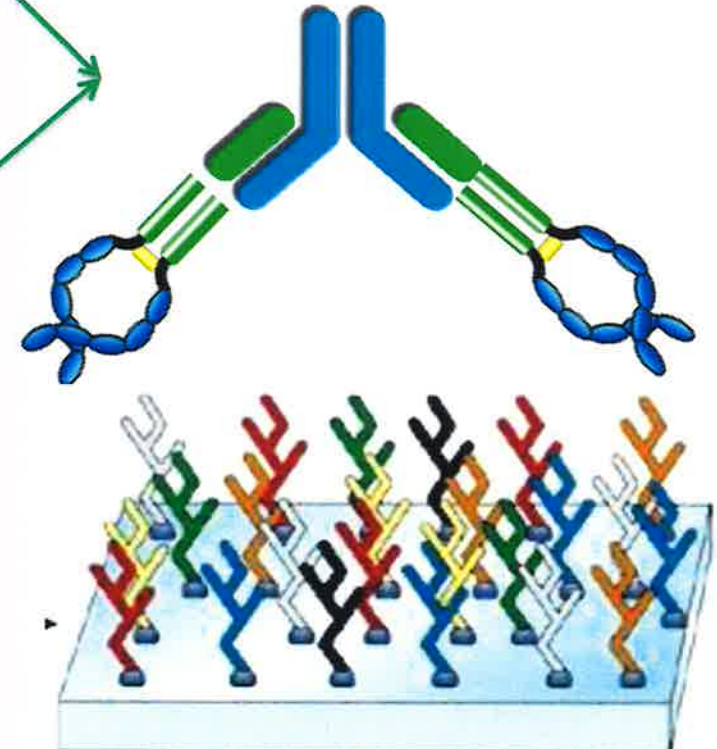
CD33/Siglec-3-related Siglecs

- Encoded in a gene cluster
- Variable among species

(Siglec-13 is lost in humans)



Recombinant Siglec-Fc Chimera Microarray Screening



The family of mouse Siglecs

(Sialic acid-binding immunoglobulin-like lectins)

