Virus Attachment & Entry

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Steps in Virus Inflation of a Cell

Attachment

- · Random Chance
 - Difficion, Brownian motion, electrostatic intx.
- · Non-specific -> Specific adherence

Vocabulary

- · Cell receptor: Specific molecule an cell surface
- · Virur attachment protein: Moleculer on virion that bind cell receptor

Identifying cell receptors for specific virus

- · lyoe alls and get membrane proteins
- · Blot get with labelled virus
- · Block infection using antibody to receptor
- · Express receptor in resistent but permissive cells

Entry / Penetration

- · Non enveloped can only enter through endocytosis
 - Unwaring regs conformational change
 - · Birding receptors
 - opH changes; vesicle -> lysosome
 - -Change releases hydrophobic into bilayer, forming channel
- · Enveloped virus must fuse we membranes
 - Fusing w/ outer membrane
 - · Initiated by virus receptor intx.
 - · Insertion of hydrophobic region -> Fusion pore
 - Endocytosis
 - oph changes -> same as fusing w/ outer

Targeting

