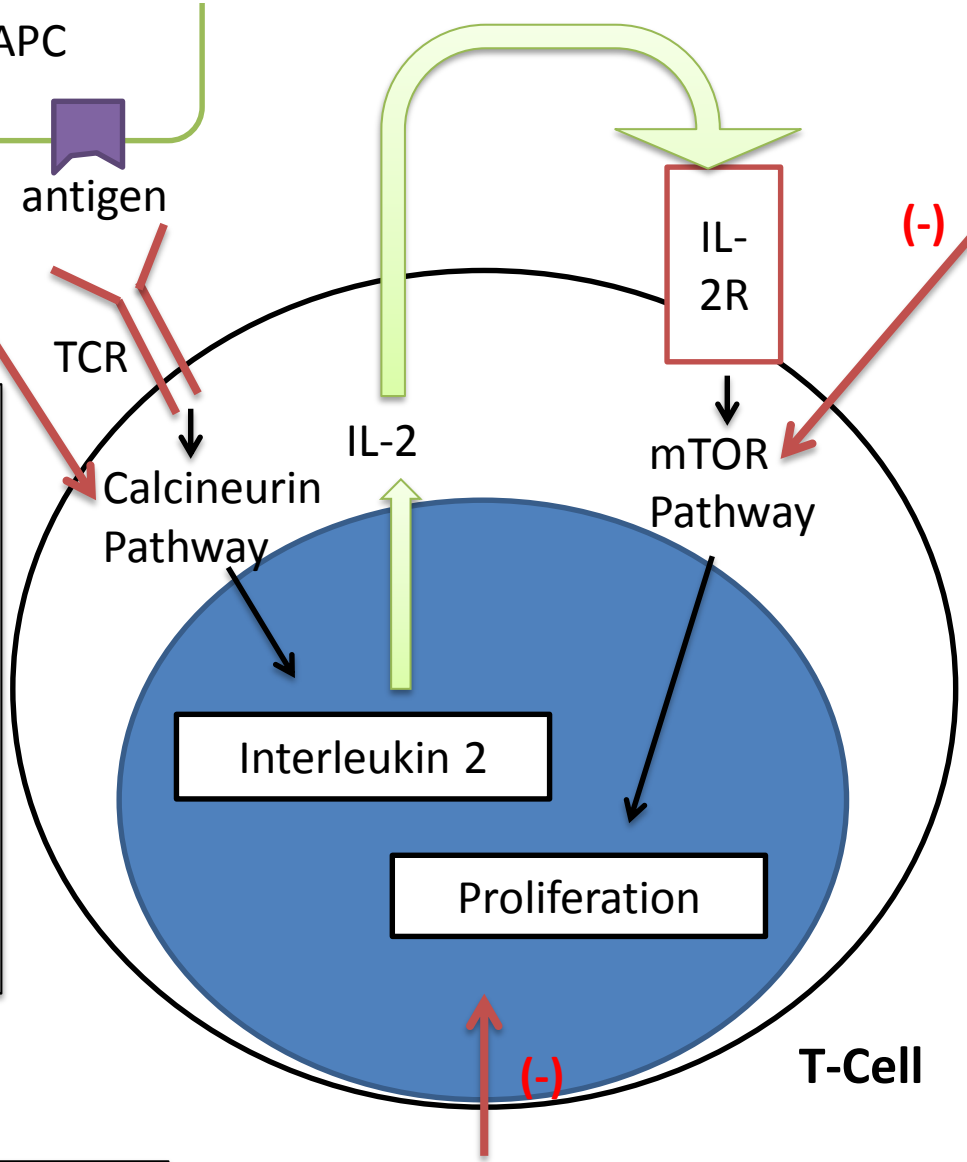

Calcineurin Inhibitors

Tacrolimus

AKA Prograf

Cyclosporine

Nephrotoxicity:
-Vasoconstriction of afferent arteriole (like NSAIDs)
-> pre-renal azotemia despite normal "volume status"
-Hypertension

Neurotoxicity:
-Tremors, confusion, various other effects

TTP-like syndrome:
-(microangiopathic hemolytic anemia with thrombocytopenia)

mTOR inhibitors

Sirolimus

AKA Rapamycin

AKA Rapamune

Everolimus

Poor Wound Healing:
-(mTOR is also part of the signaling pathway for EGFR)

This "side effect" of EGFR pathway inhibition has been put to use clinically
-> drug eluting stents to prevent in-stent restenosis due to proliferation of smooth muscle cells
-> EGFR signaling through mTOR also important in several cancers:
-> approved first for advanced renal cancer, but now also a growing list of other cancers

Anti-metabolites (purine analogues)

Azathioprine

Mycophenolate Mofetil

AKA CellCept

"Chemo side effects" :
-(from inhibition of other rapidly dividing cells)
-> macrocytic anemia, leukopenia, thrombocytopenia
->GI side ffects