

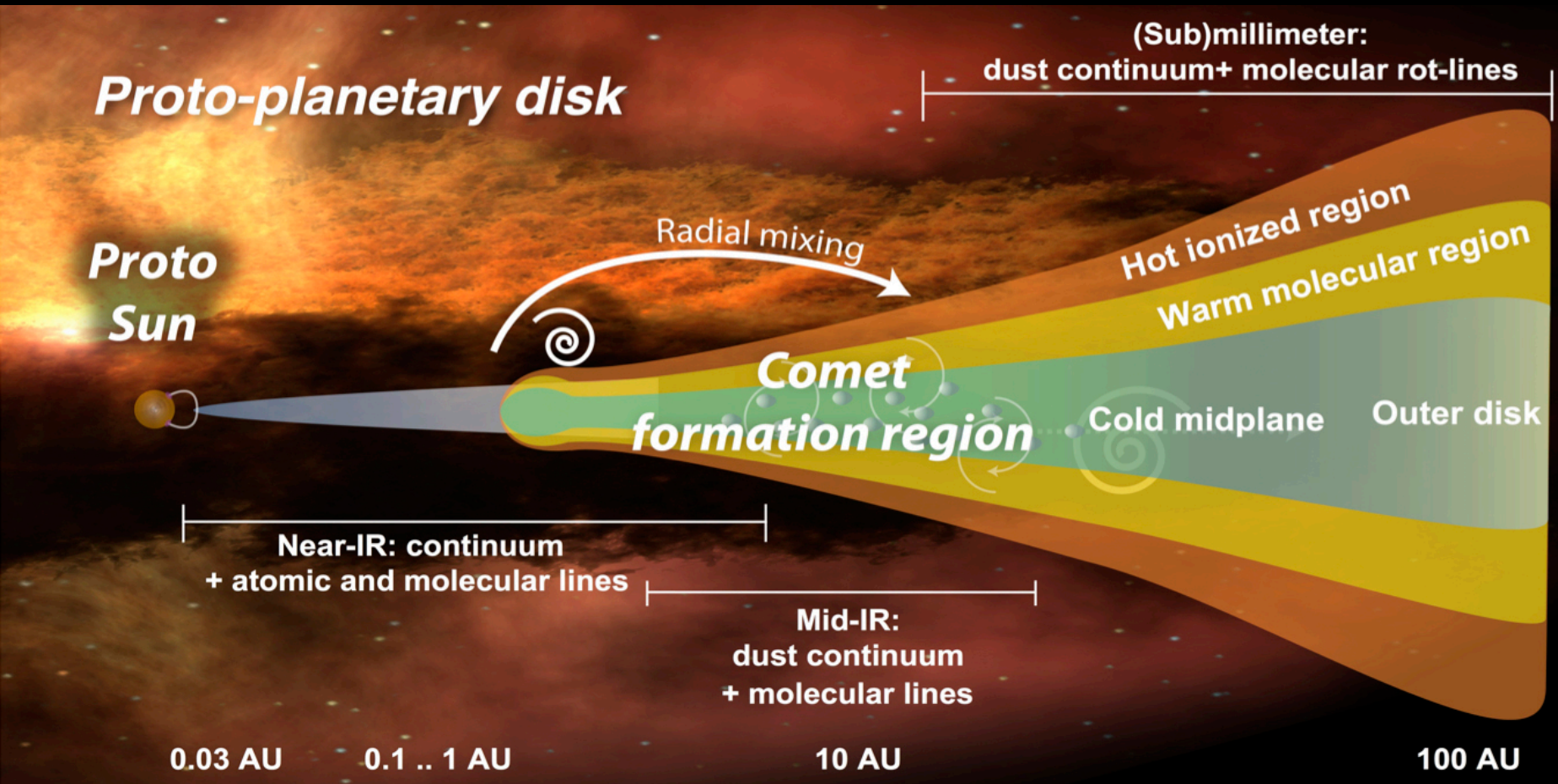


Know your star, predict your planets!

Álvaro Ribas (Trainee 2011)

Bruno Merín & Hervé Bouy

Protoplanetary disks



The Database

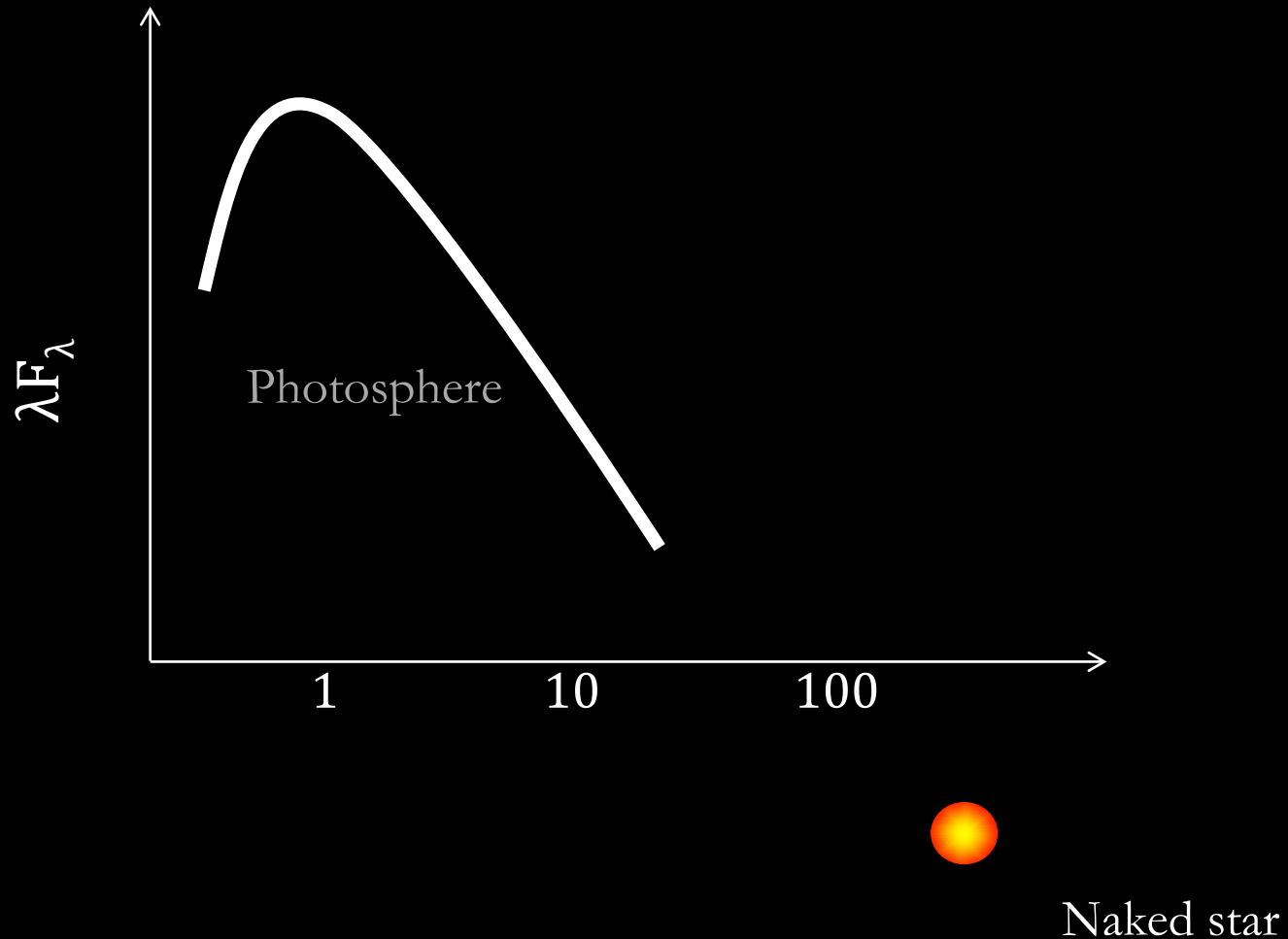


More than 2300 Young Stellar Objects

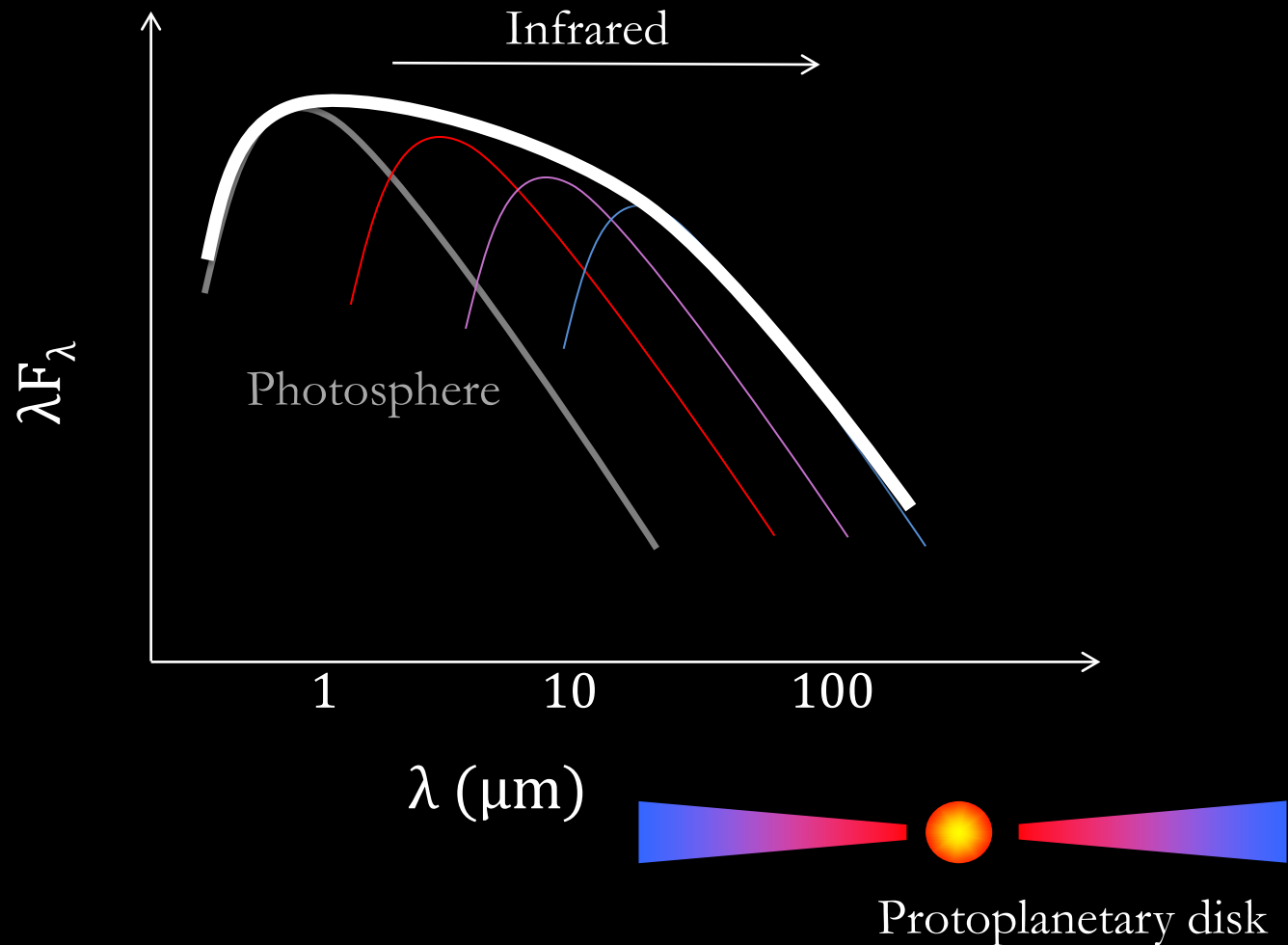
All confirmed via spectroscopy

22 Close and young star-forming regions and associations

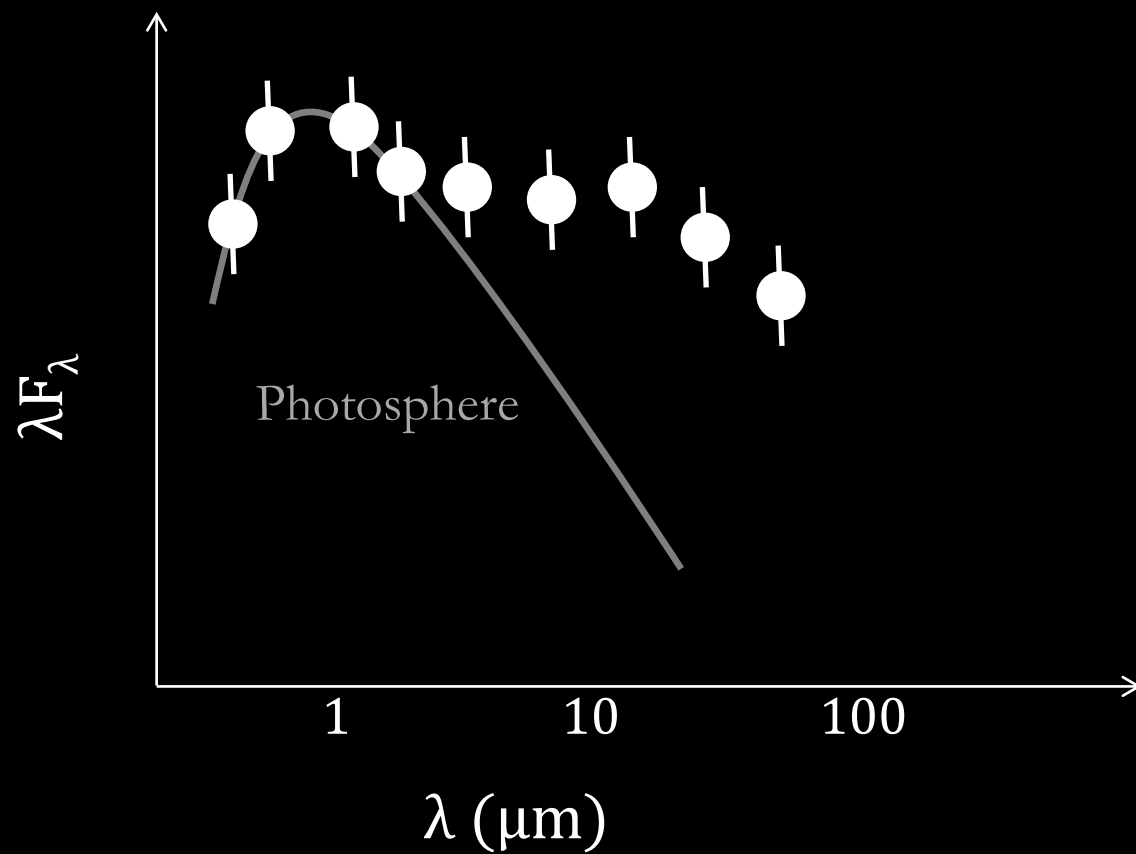
Spectral Energy Distribution (SED)



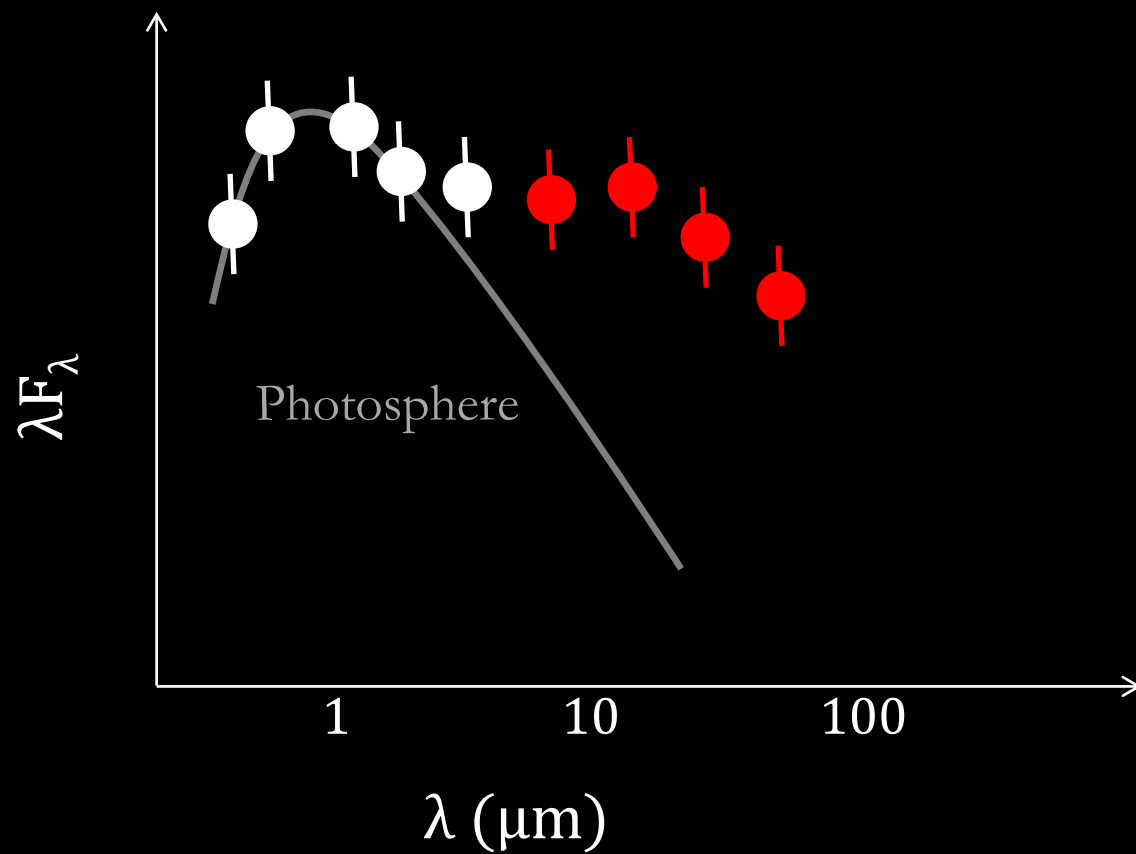
Spectral Energy Distribution (SED)



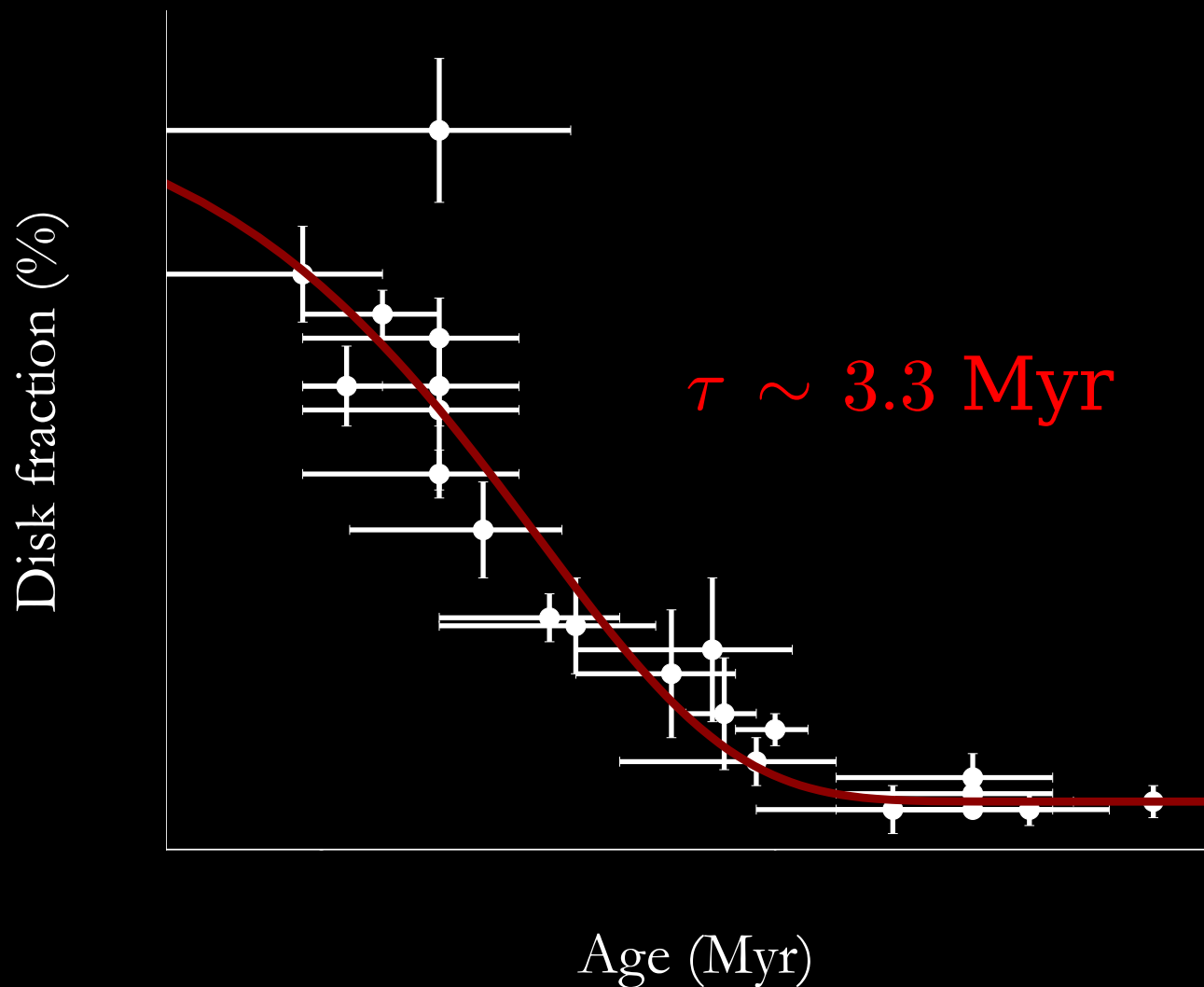
Infrared Excesses



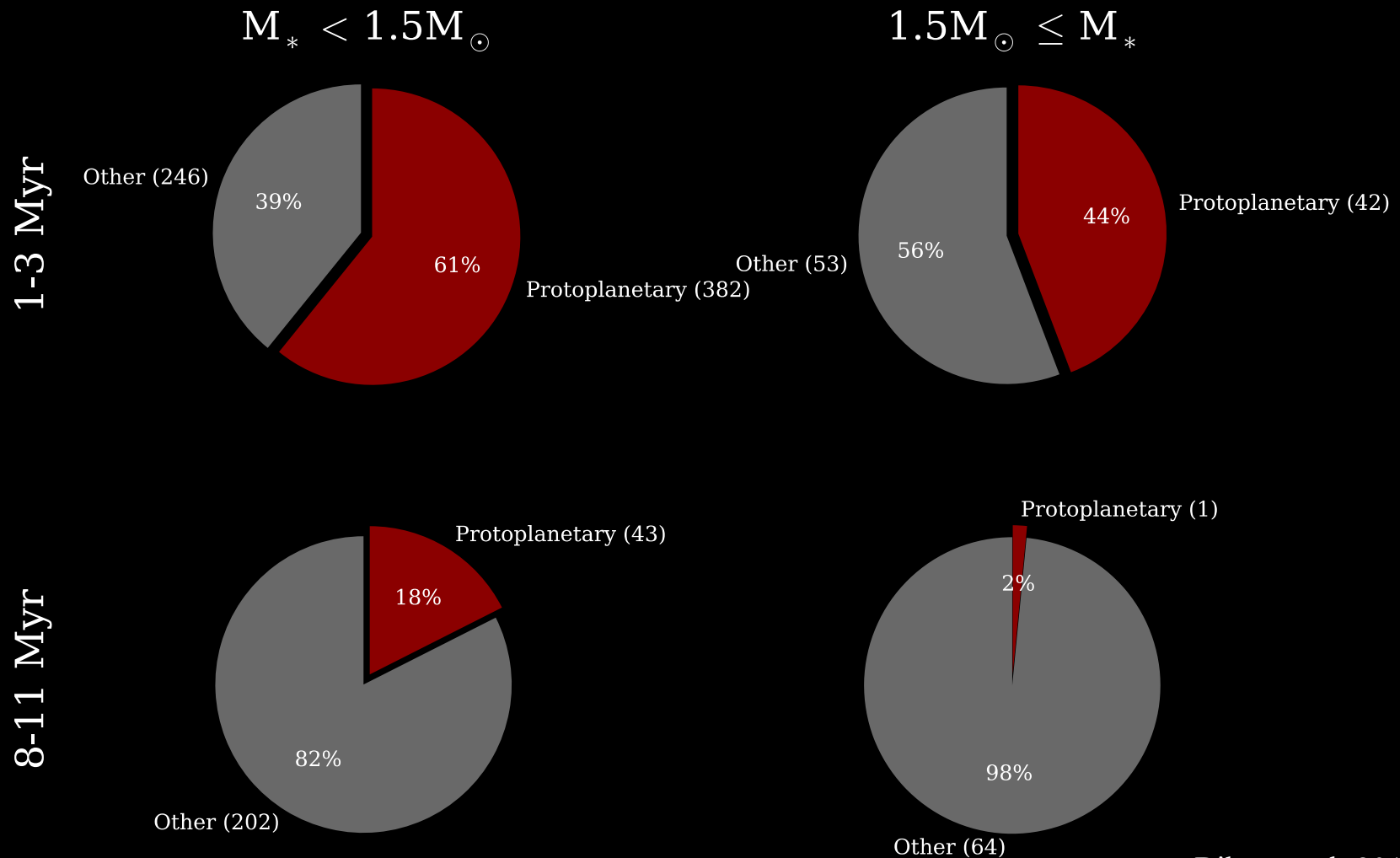
Infrared Excesses



Disk dispersal

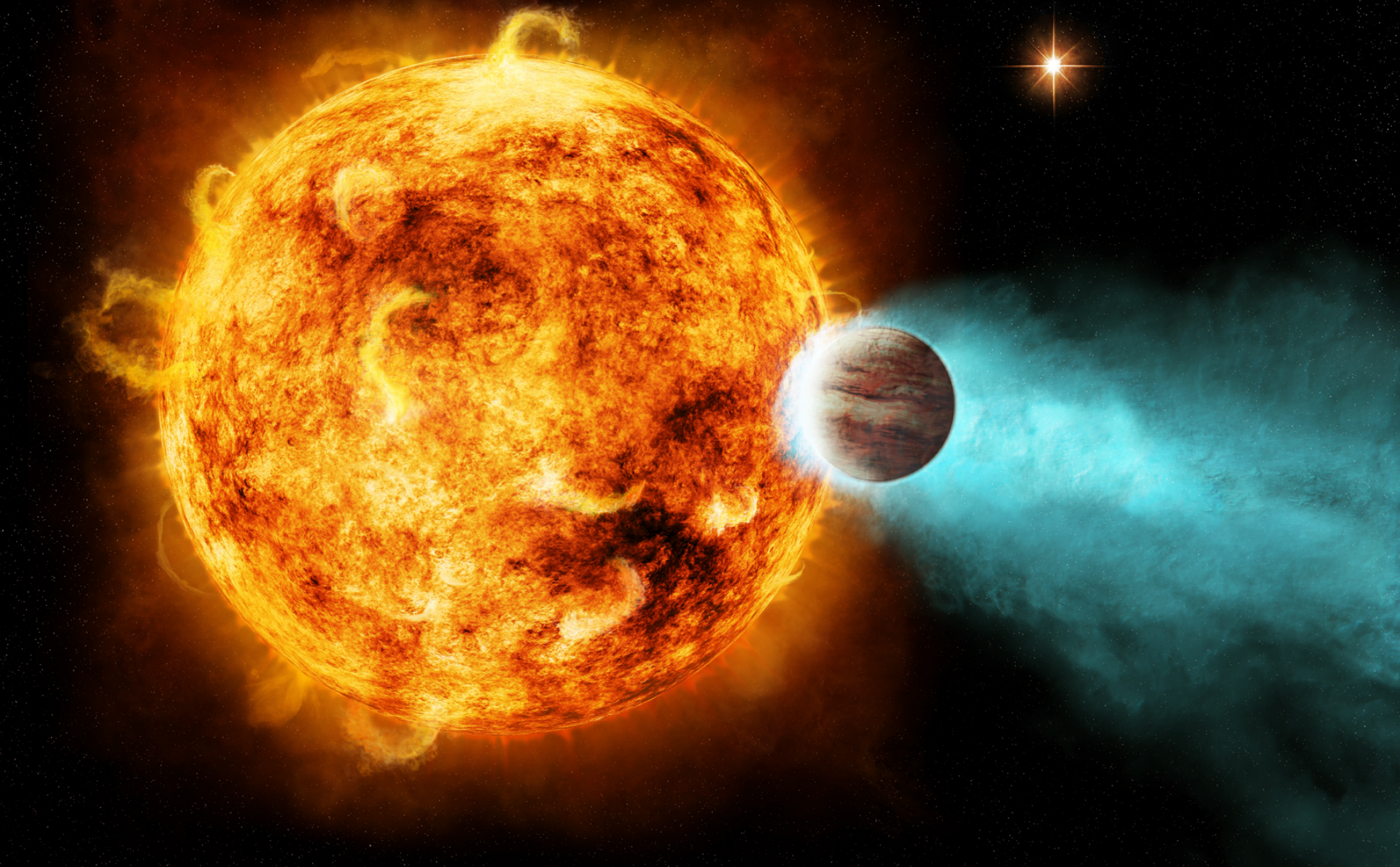


The effect of stellar mass

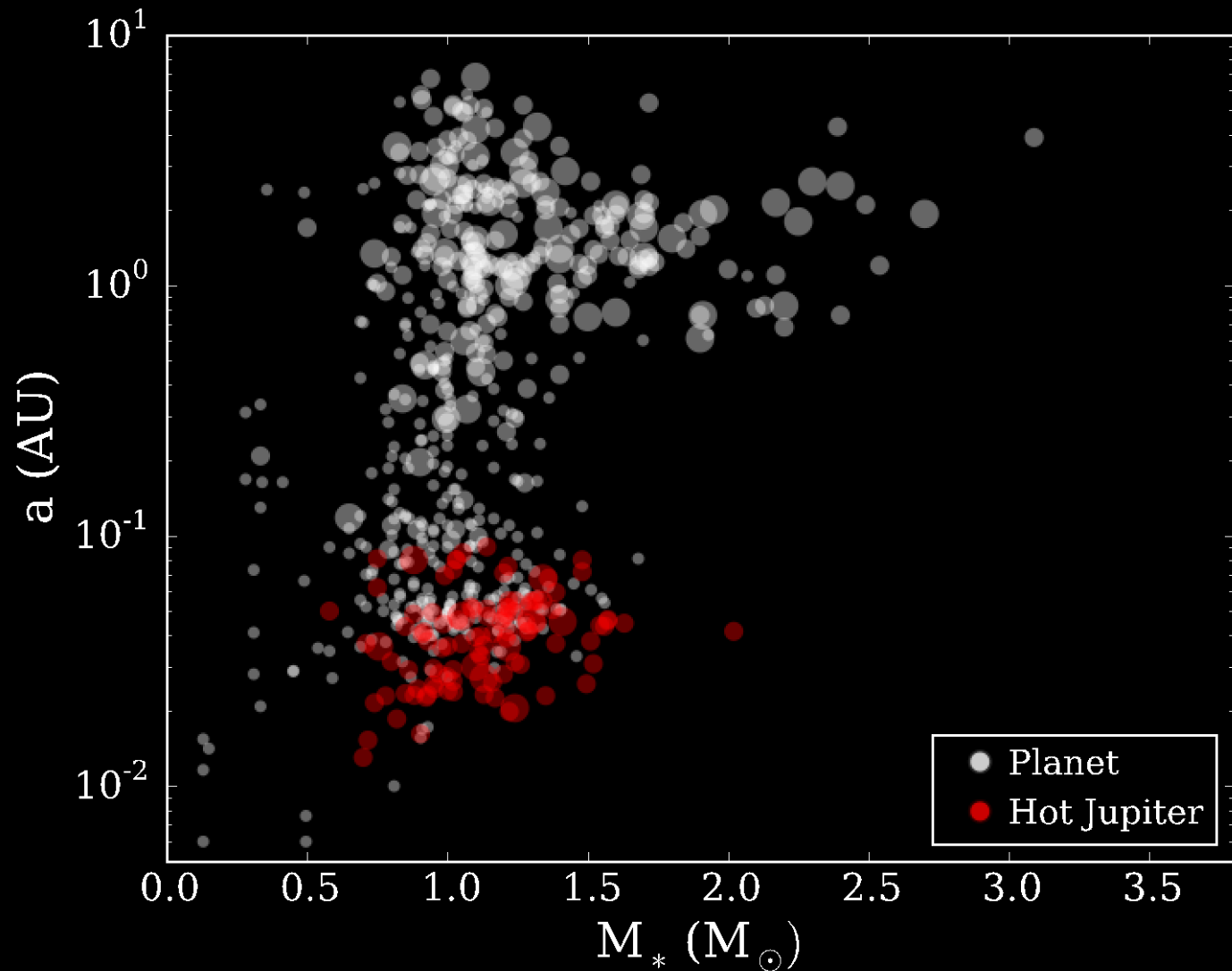


Ribas et al. 2014b,
(submitted)

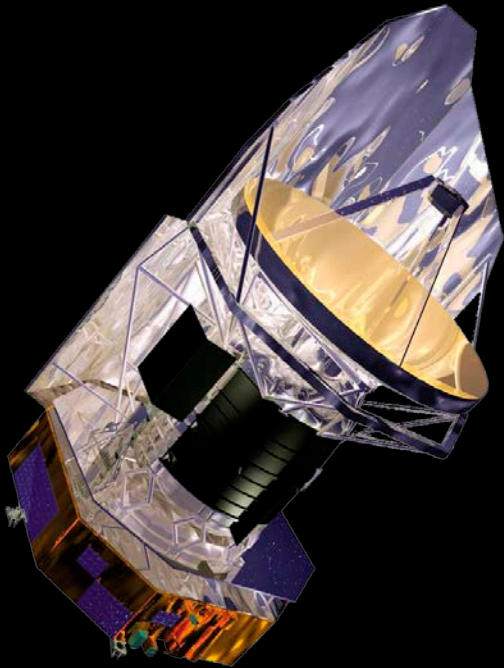
Giant planets, gaps and migration



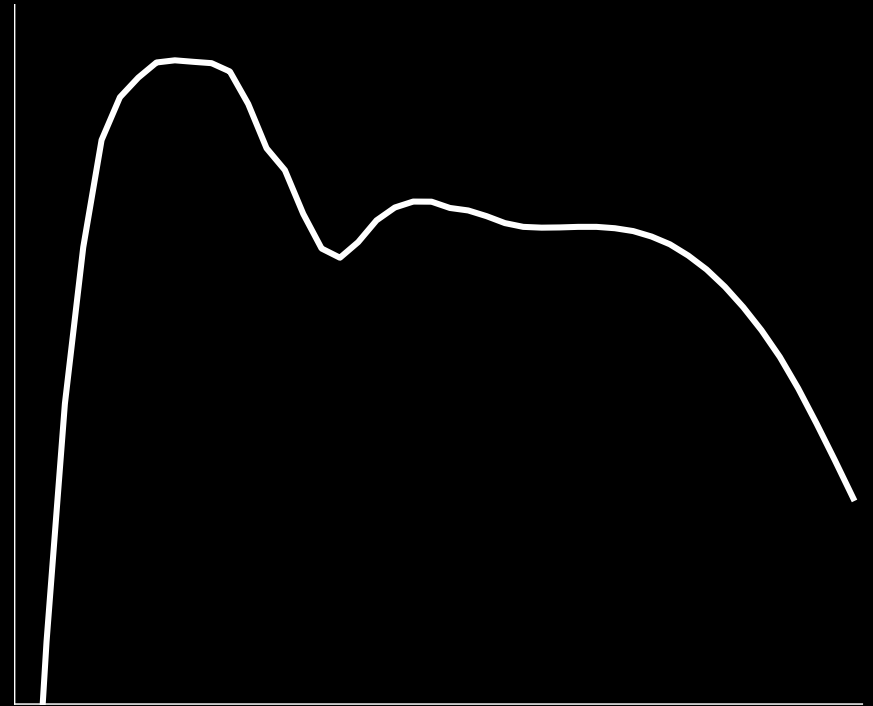
Giant planets, gaps and migration



What's next?



Herschel

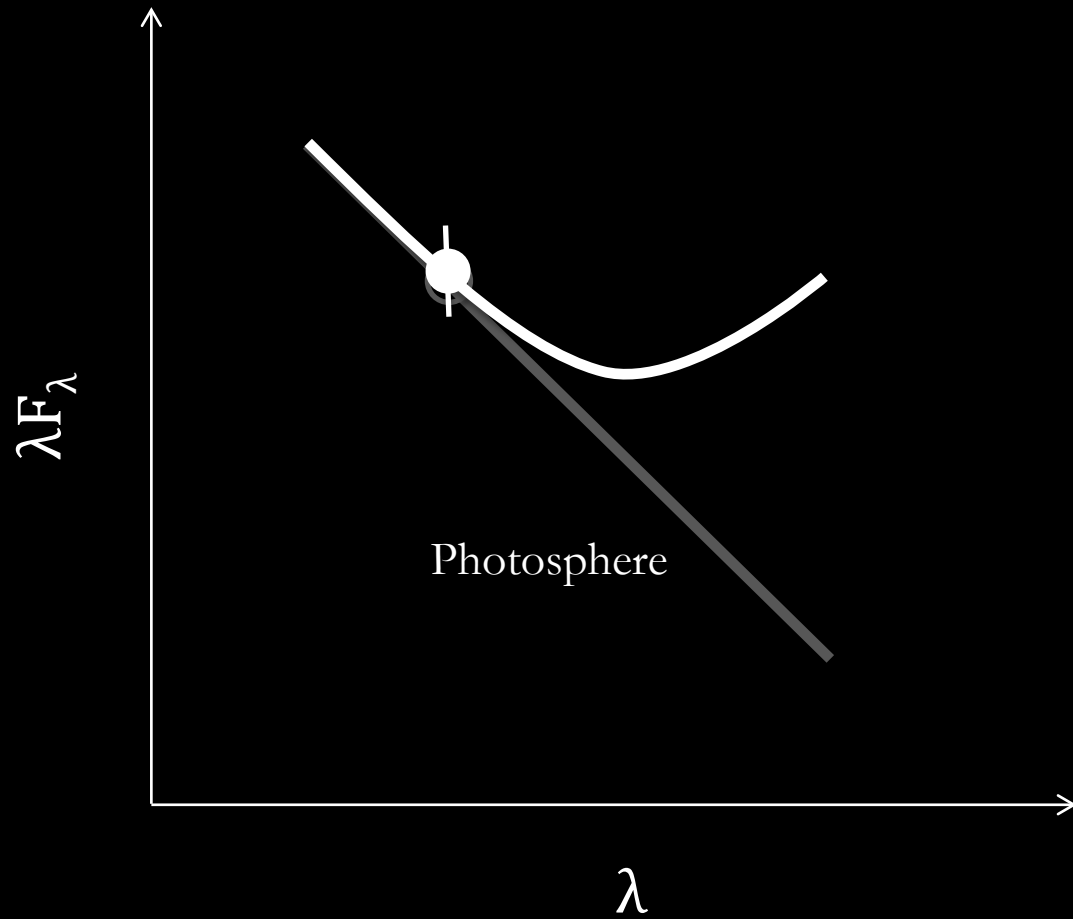


Models

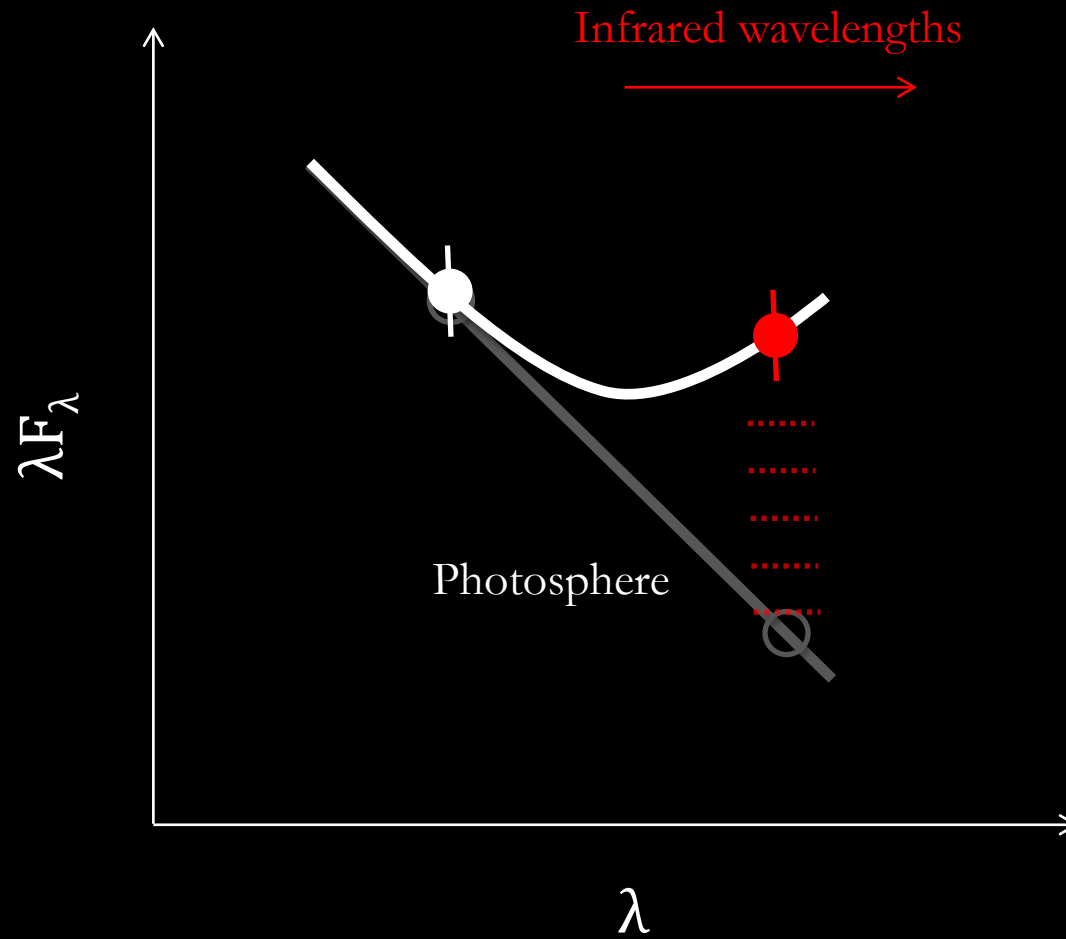
A better understanding
of planet formation

BONUS

Infrared Excess



Infrared Excess



Giant planets, gaps and migration

