





## **A Few Definitions**

Epi-illumination = Excitation and emission are the same (epi) side of the sample

*Trans-illumination = Excitation and emission are opposite* (*trans*) sides of the sample

Wide-Field Microscope = Excitation is focused on a relatively large area of the sample and the emission coming from all the excited area is detected

Laser-Scanning Microscope = Excitation is focused on a relatively small area of the sample, the emission coming from the excited area is detected and the excited/emitting area is scanned across the sample











## Chalfie, Shimomura and Tsien

The Nobel Prize in Chemistry 2008 was awarded for the discovery and development of the green fluorescent protein



GAMawtin iSolattie from tDeljetthfis/UAisœusitga victoria



Cells@spnassShjnfoffhura Marine Biological Laboratory and Boston University Medical School



Rabbit express**Rgg&FN**. Tsien University of California, San Diego

The Nobel Prize in Chemistry 2008 www.nobelprize.org









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