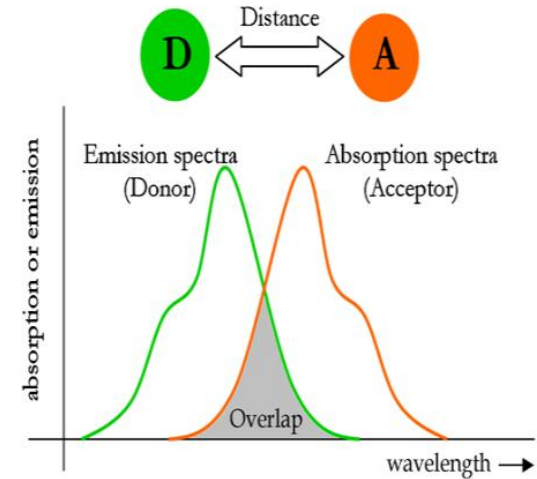
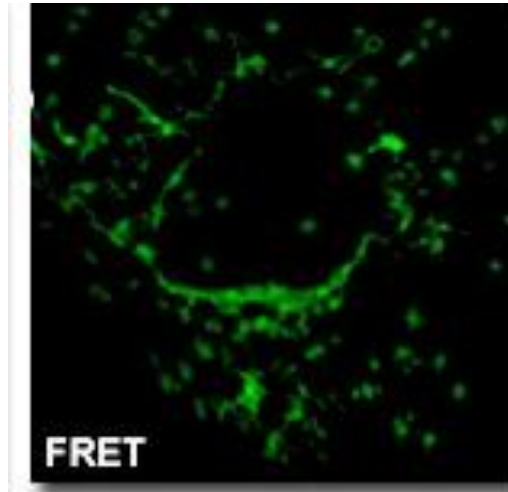


Fluorescence based system for FRET analysis of proteins

It is a powerful tool to study the structure and conformational dynamics of biological/protein molecules and their interaction for analysis of biopsy sample for cancerous cells.

Challenges:

1. Capture low light FRET signal for investigation of thick living tissue
2. Remove unwanted bleed-through components in the sensitized signal



Mitochondrial protein-protein association with FRET

Features:

1. Multiple monochromatic light source and multiple different fluorescent dyes for differentiating cell and nucleus of biopsy samples.
2. Customize software with Image processing algorithms for quantification of captured FRET signal to analyze the biopsy sample.

