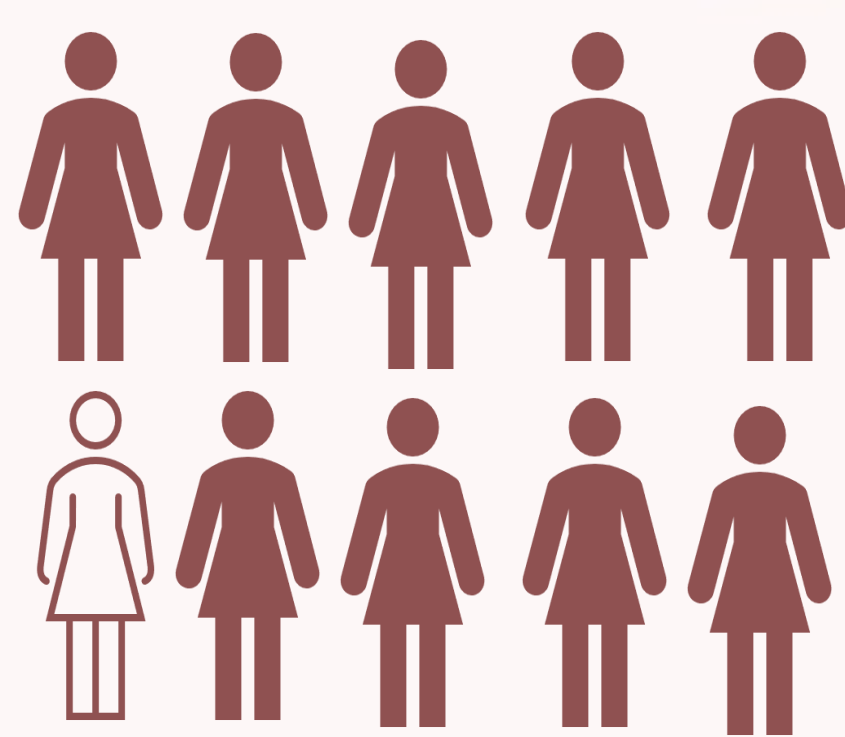
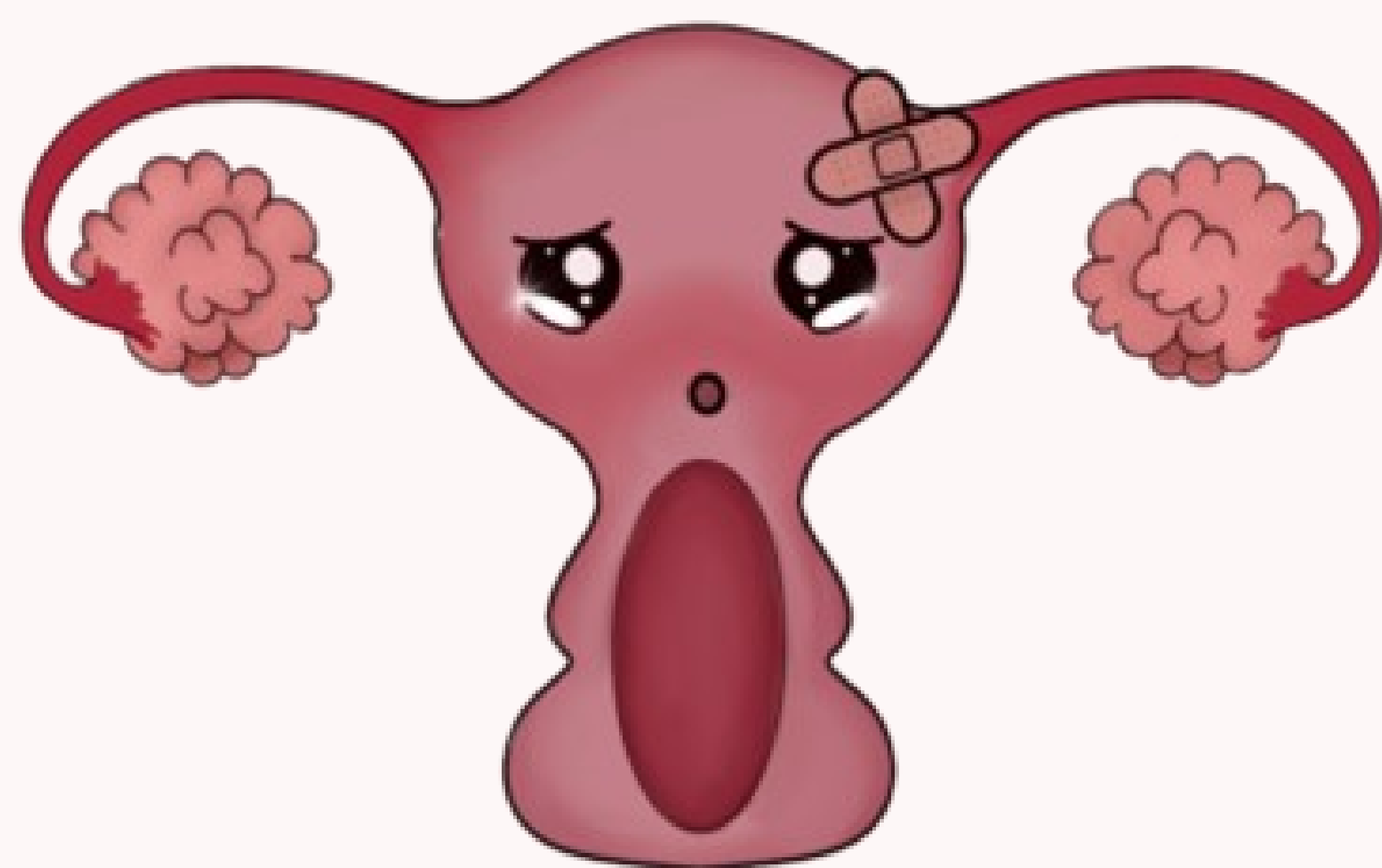


EndoSeek : Detecting Endometriosis

Endometriosis ?

The endometrial cells migrate and graft outside the uterine cavity while responding to the hormonal cycle.



10% of women suffer from it



40% of affected women have infertility problems



70% have painful menstruations



7 years on average before a diagnosis

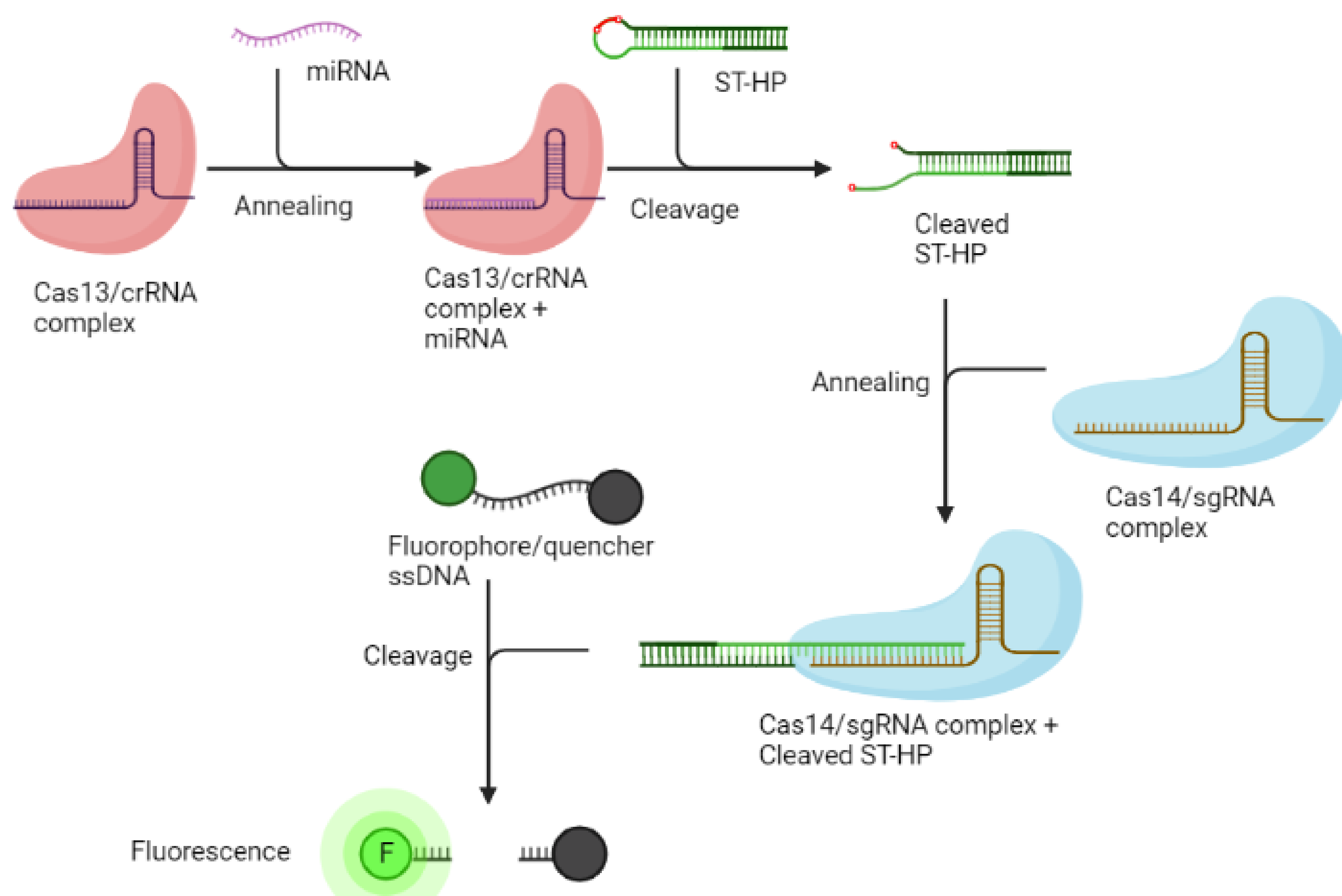


0 treatment



Invasive and expensive diagnosis : surgery or medical imagery

Source : INSERM



Sha Y, Huang R, Huang M, Yue H, Shan Y, Hu J, Xing D. Cascade CRISPR/cas enables amplification-free microRNA sensing with fm-sensitivity and single-base-specificity. Chem Commun (Camb). 2021 Jan 7;57(2):247-250. doi: 10.1039/d0cc06412b. Epub 2020 Dec 11. PMID: 33306075.

Our scientific project:
Detecting a combination of microRNAs that are dysregulated in women with this disease.



Cheaper



Faster : an answer in half a day !



A video game to go further



A lot of interviews with professionals and patients, and a partnership with iGEM Lund