

Quand la lumière aveugle

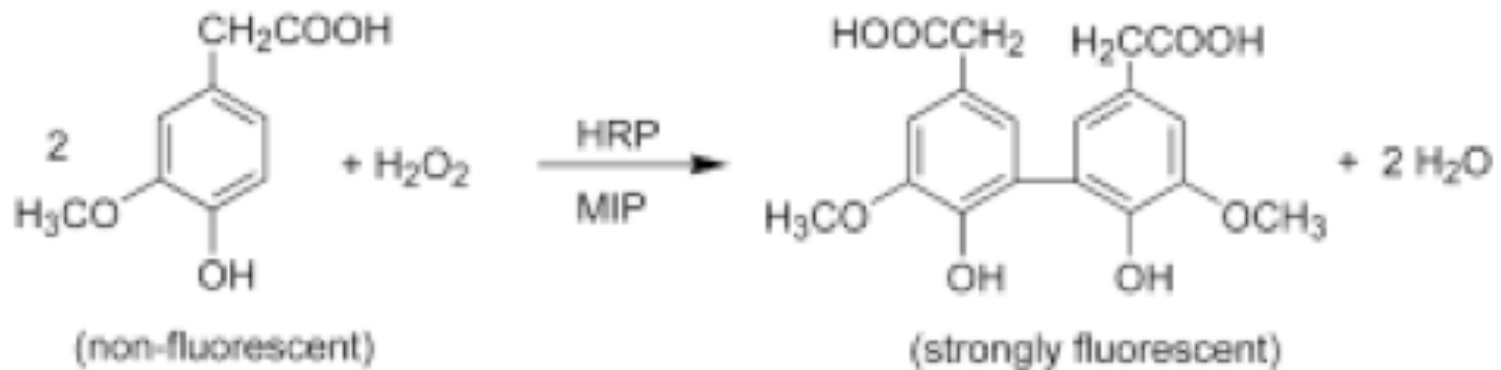
Eric Fontaine

LBFA - INSERM U884 - Grenoble

Moins et pourtant plus !

Le cross talk

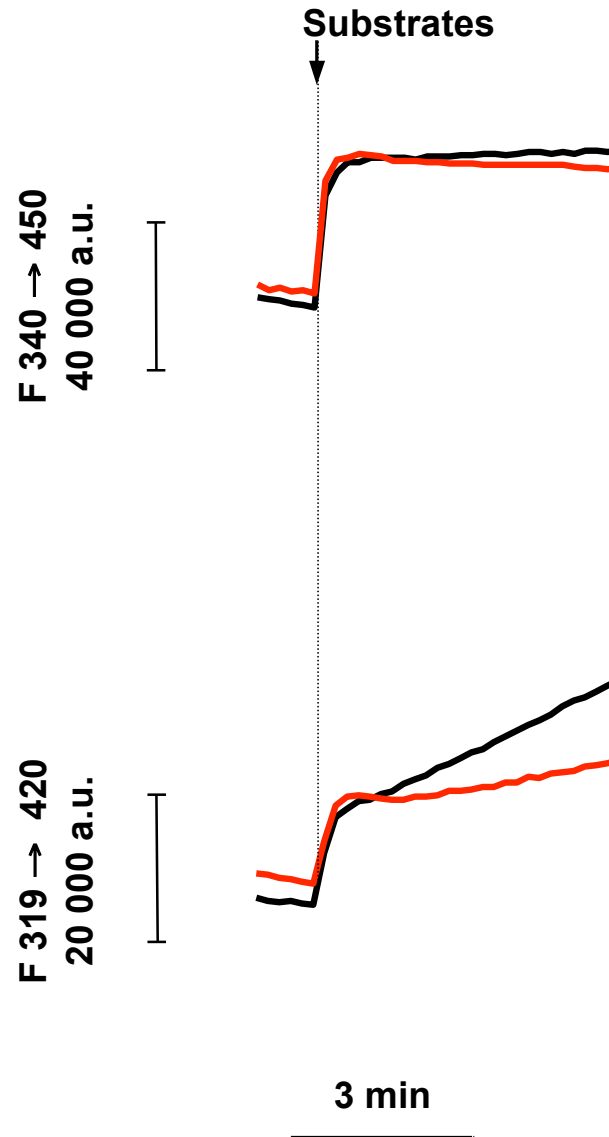
HVA + peroxidase



Excitation = 319

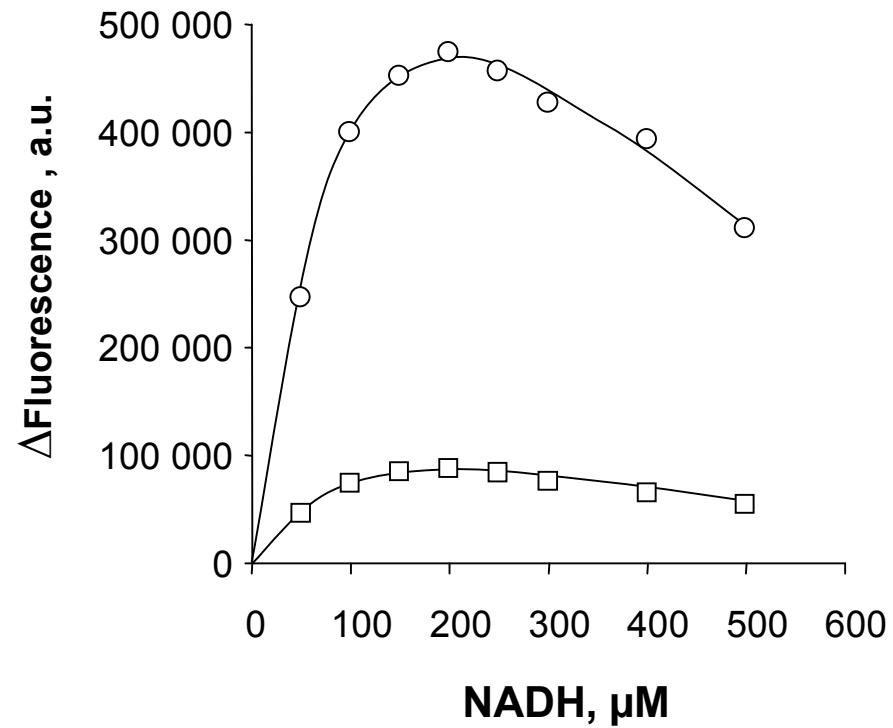
Emission = 420

HVA + peroxidase

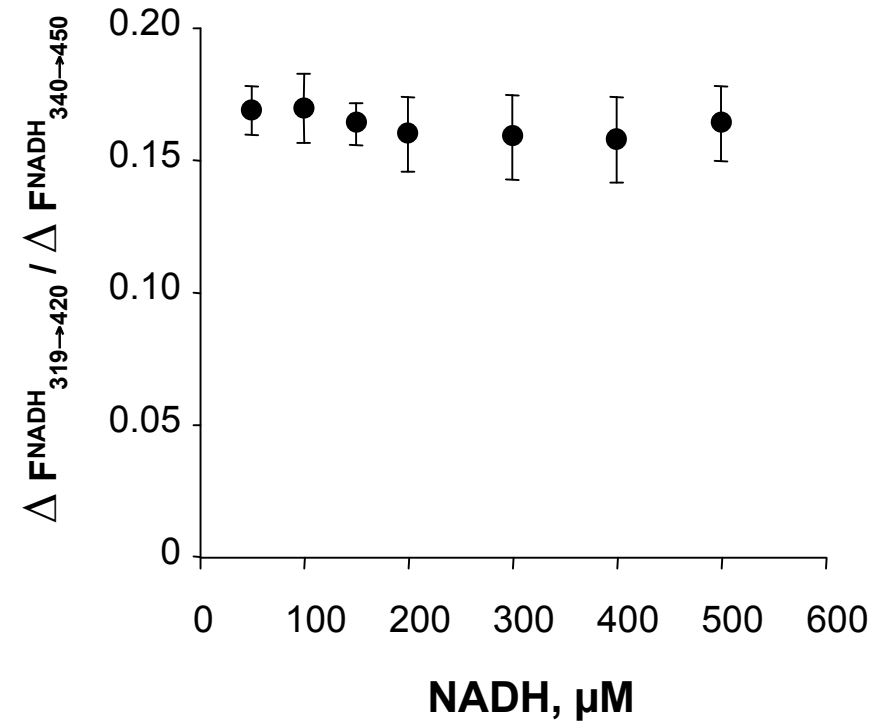


Cross talk et quenching

A

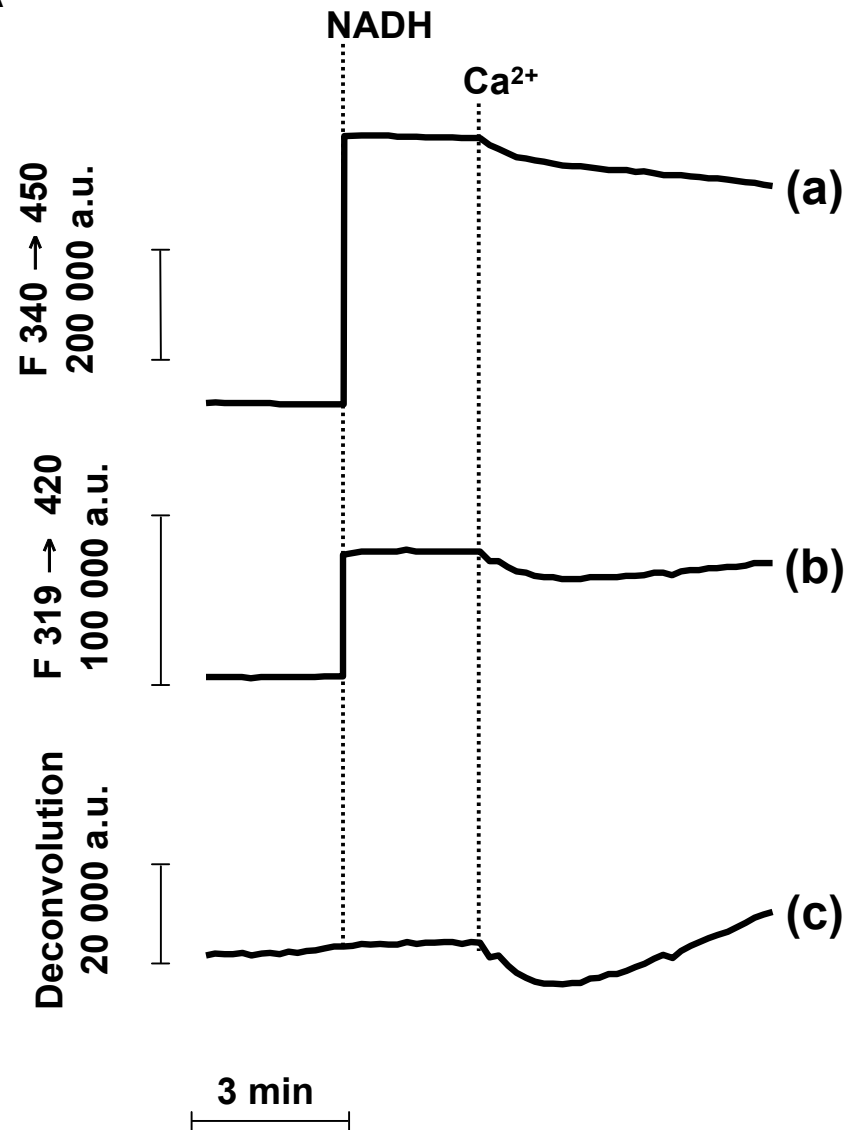


B

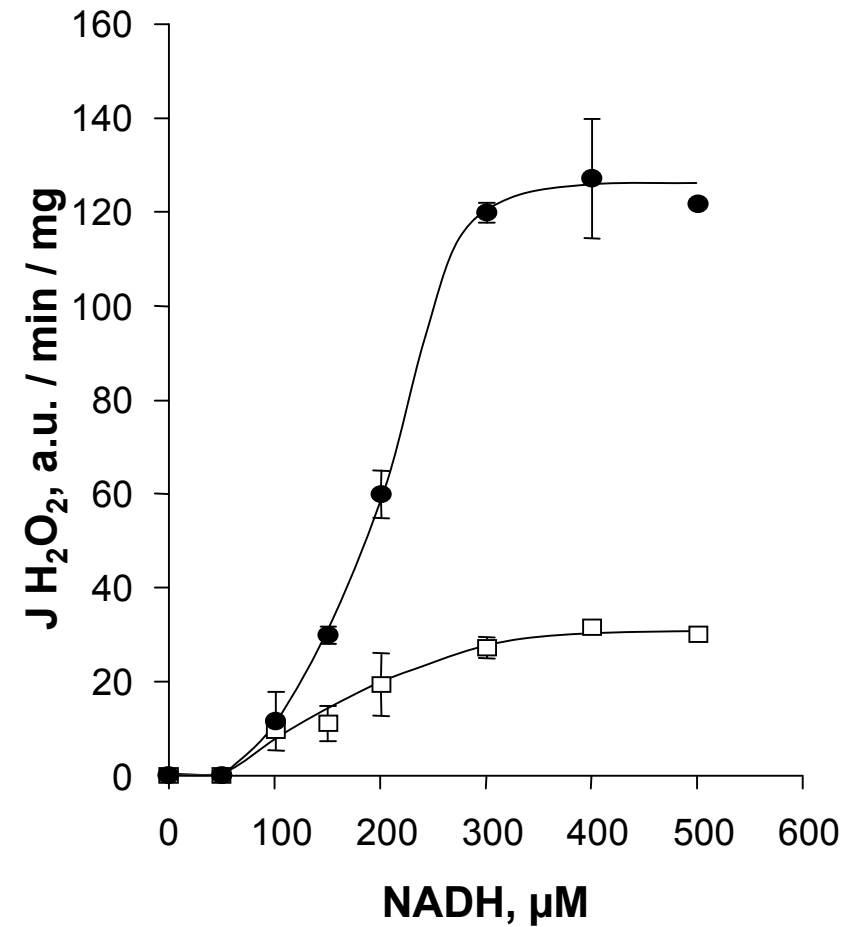


La solution

A



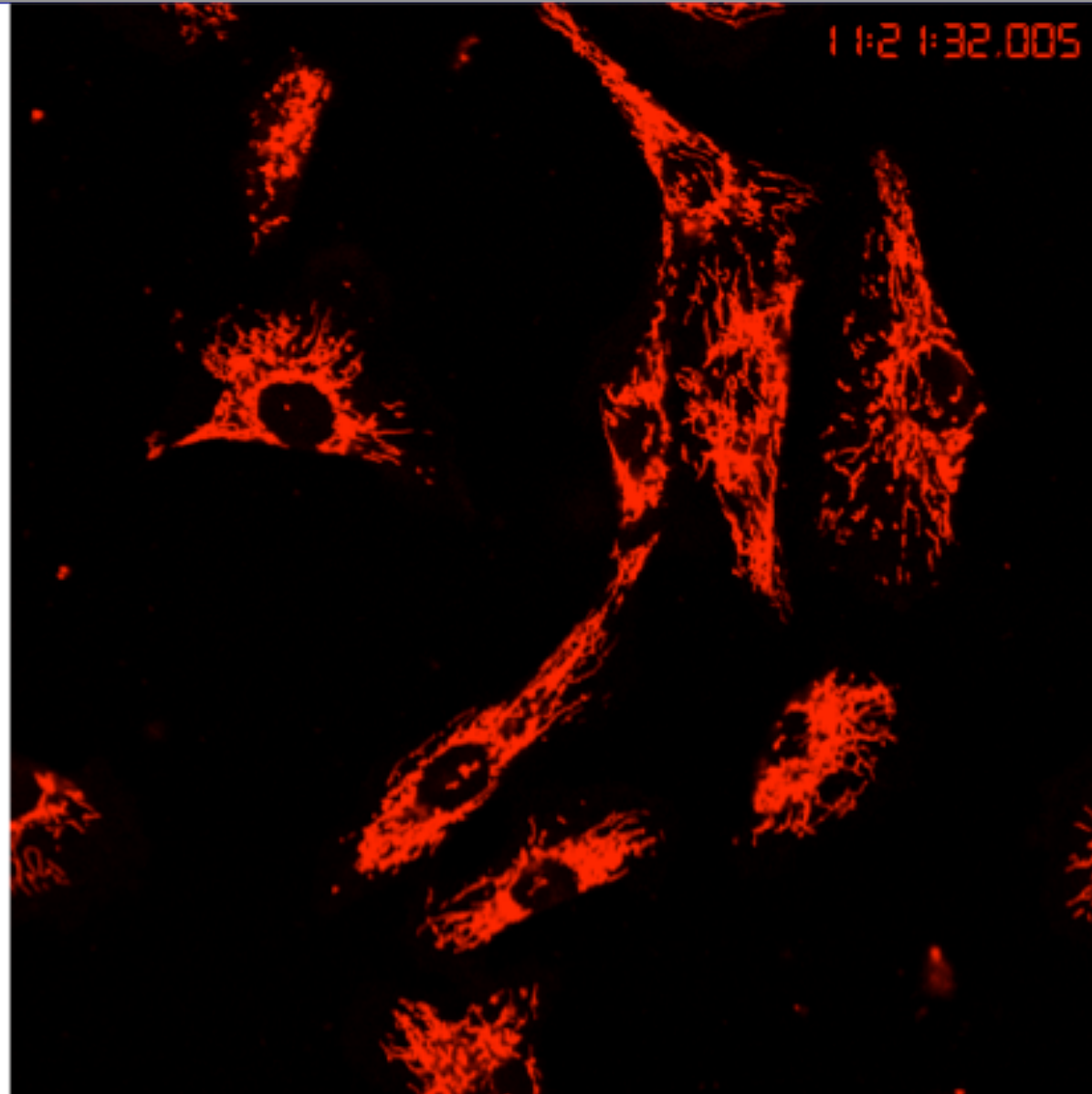
B



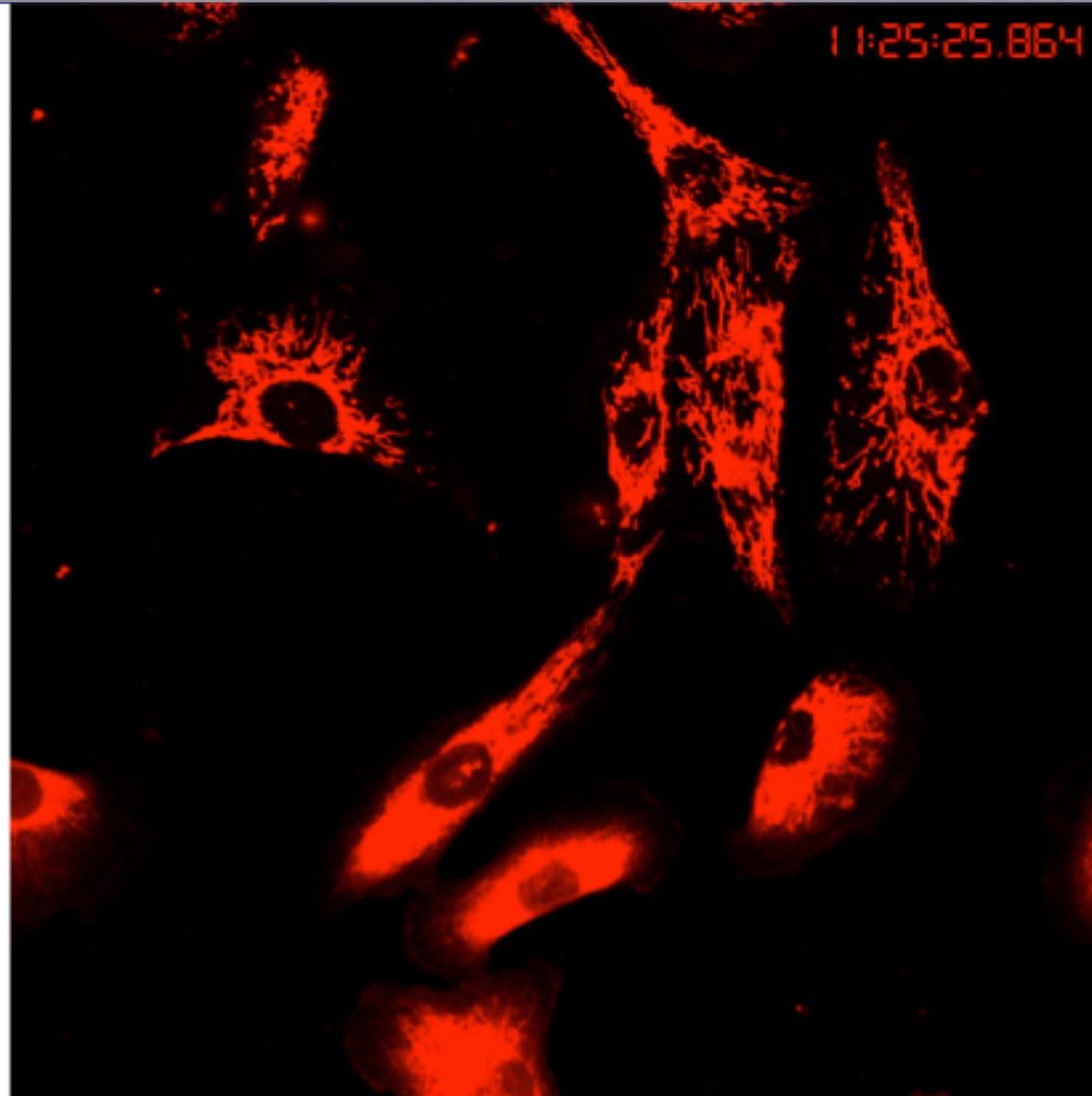
Plus et pourtant moins !

Le dequenching

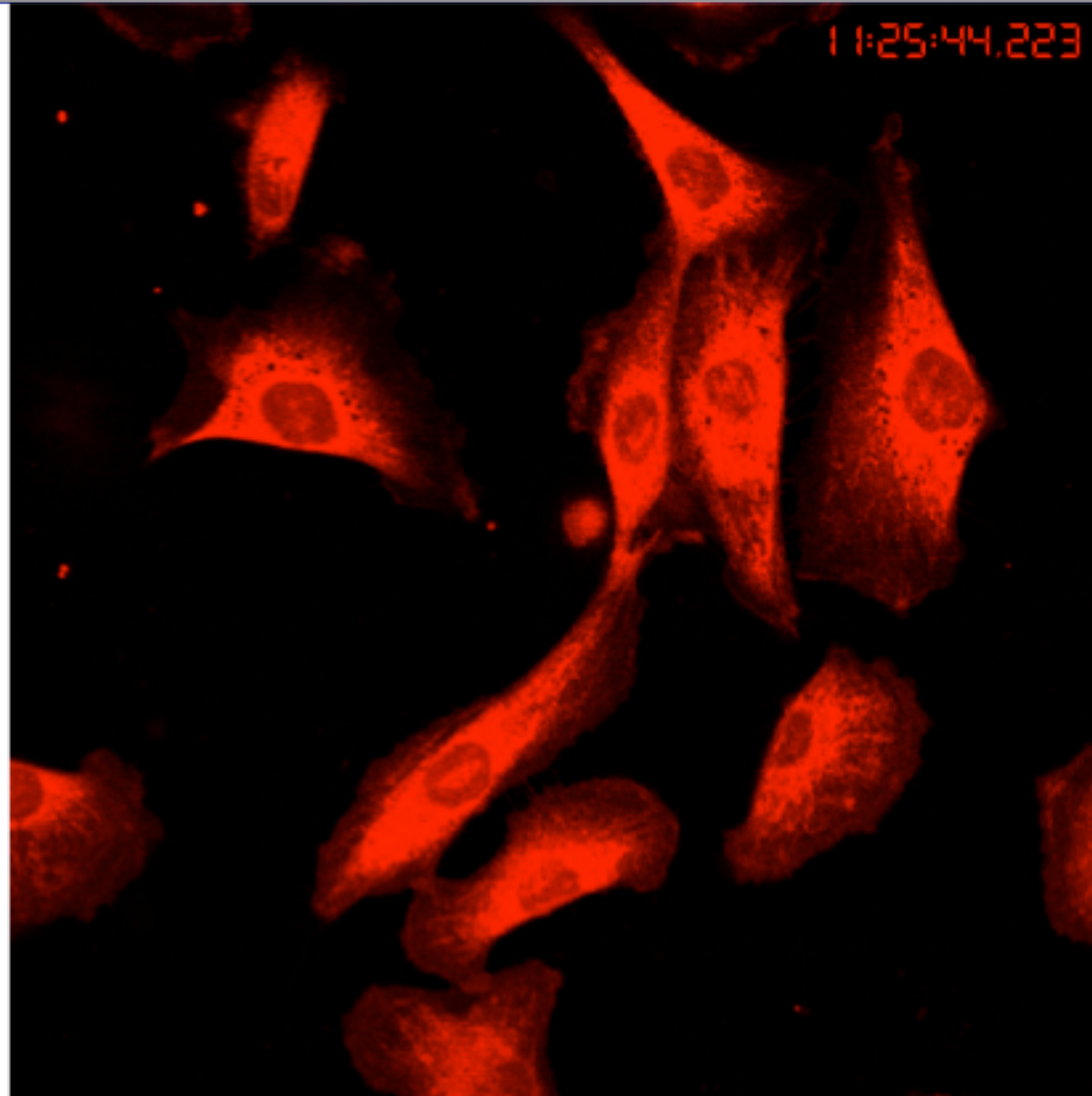
TMRM 500 μ M



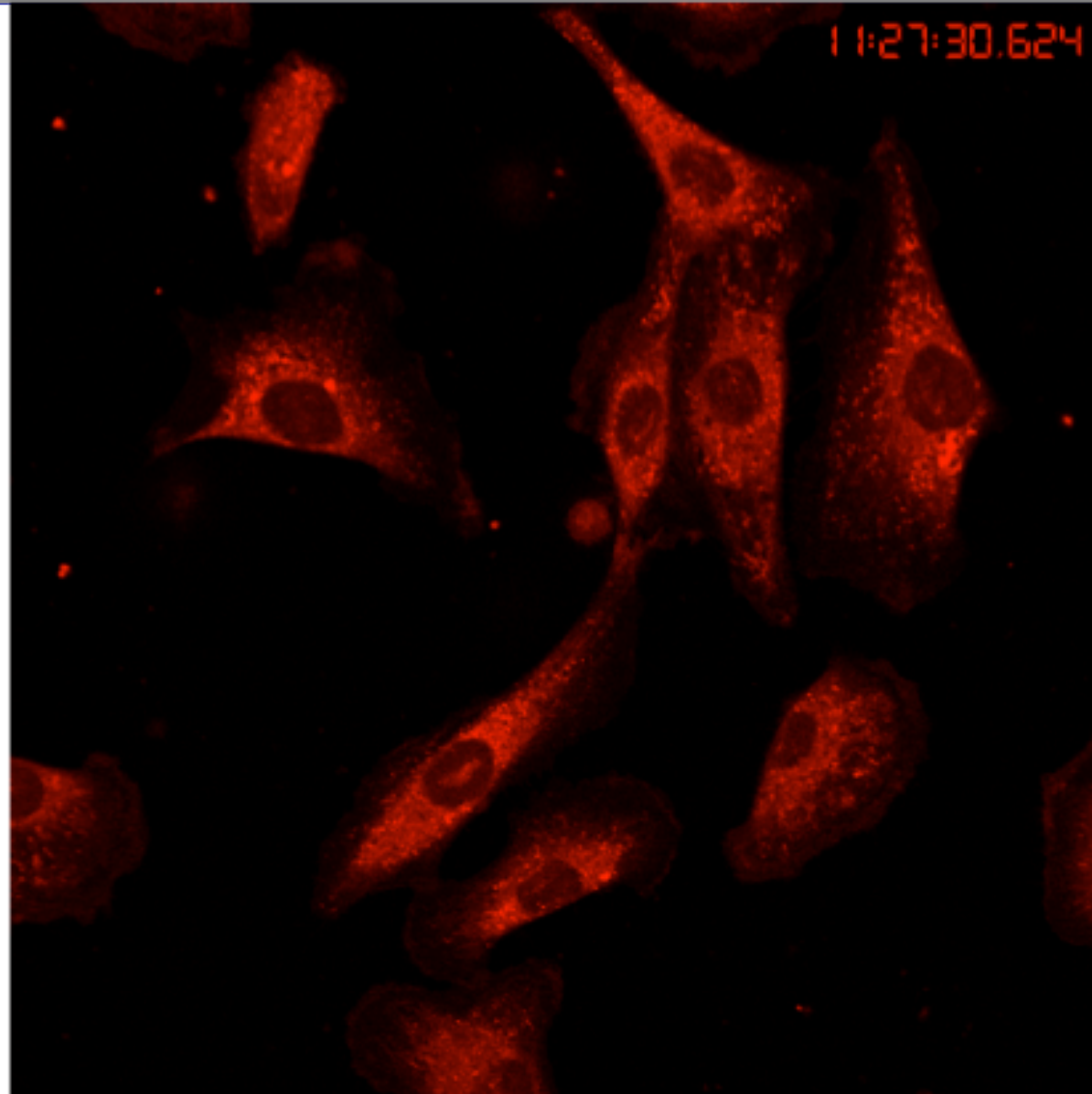
CCCP $t = 0$



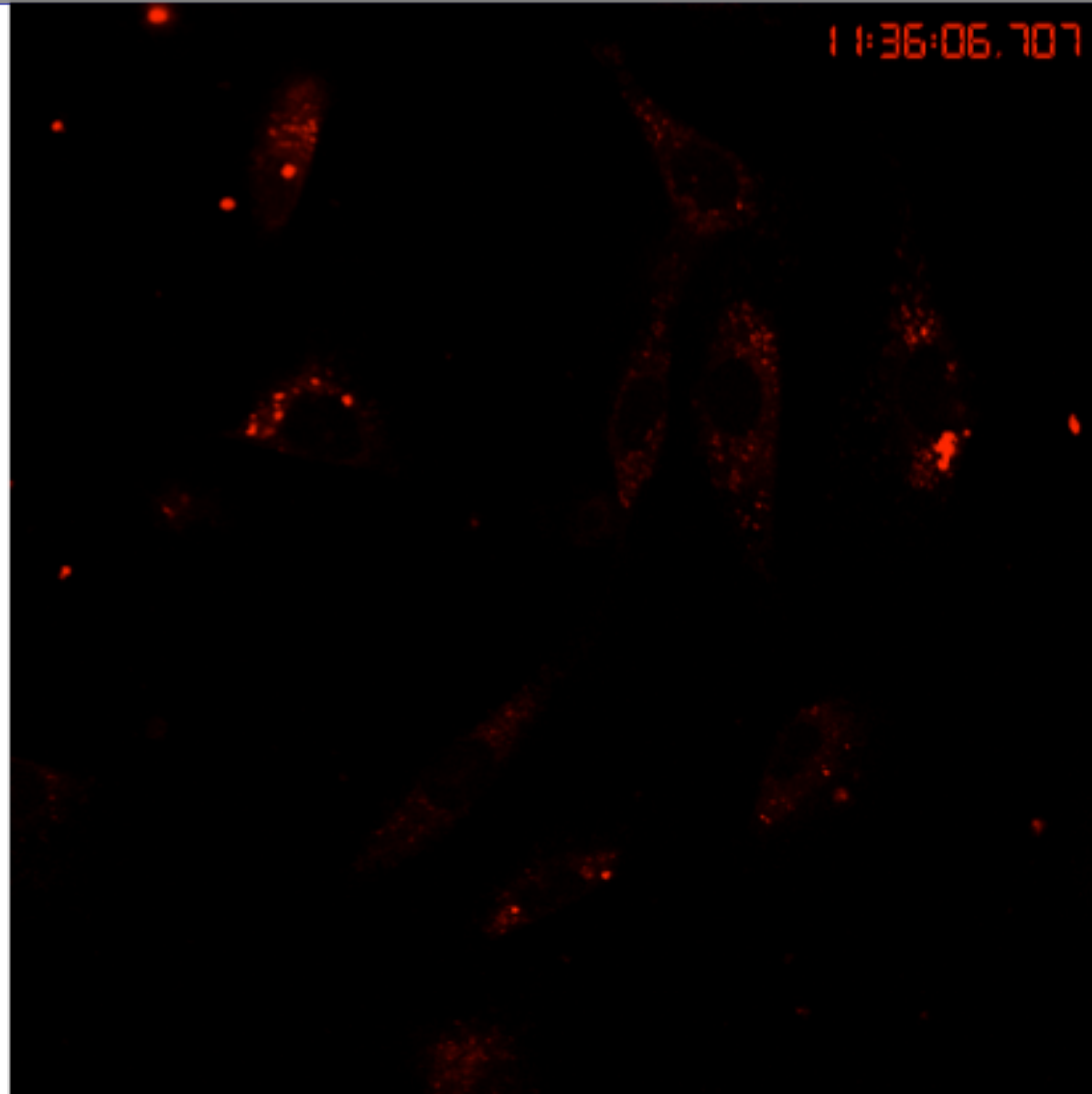
CCCP $t = 20$ sec.



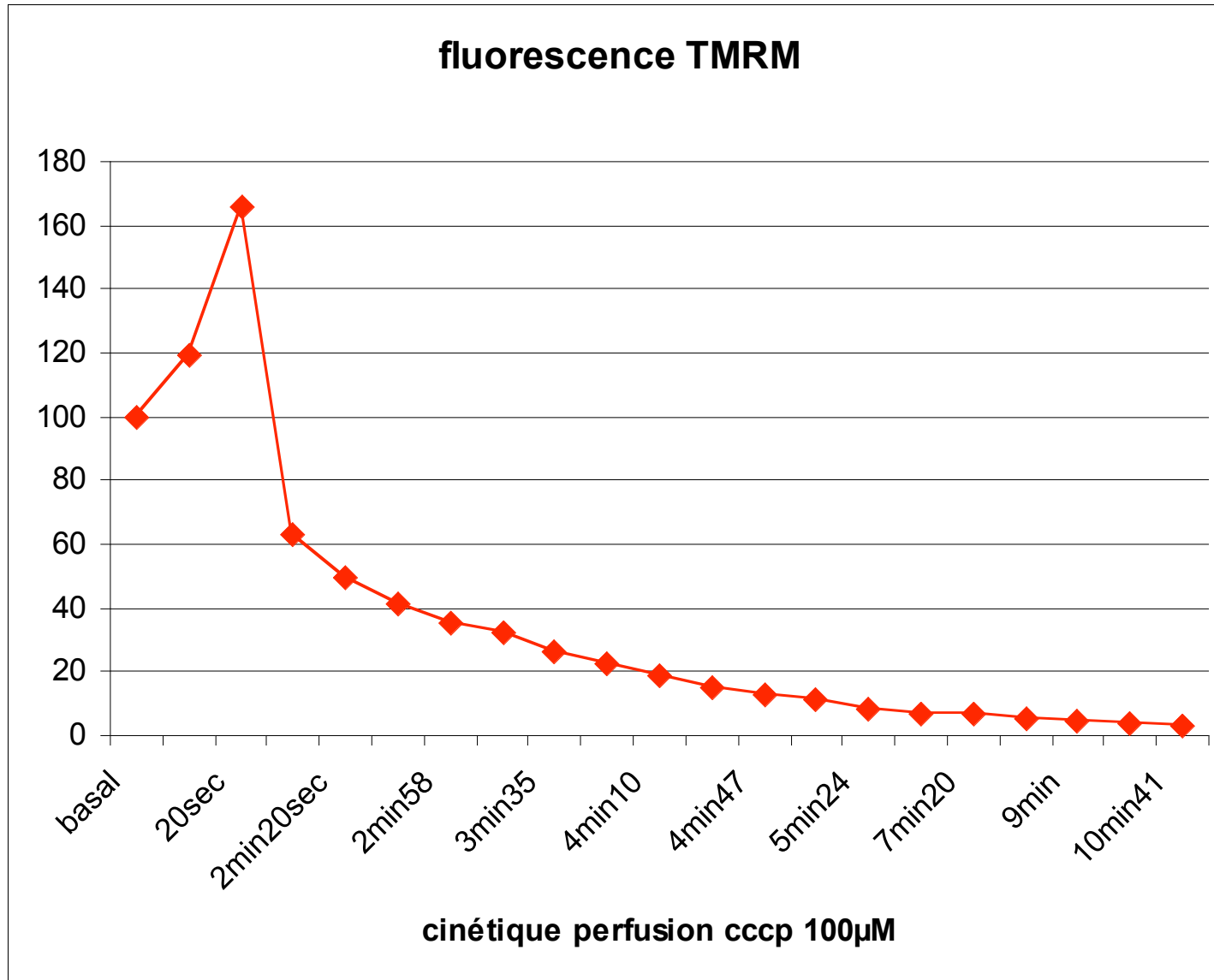
CCCP $t = 2$ min.



CCCP $t = 10$ min.



Quantification



La solution

- Mettre moins de TMRM pour minimiser le quenching !
- S'il n'y a pas de quenching, il n'y a pas de dequenching