

Histone Chaperone Targeting by Cytochrome c.

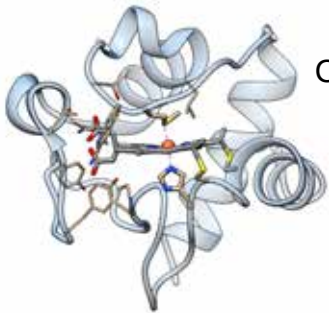
Starting up!

Antonio Díaz-Quintana

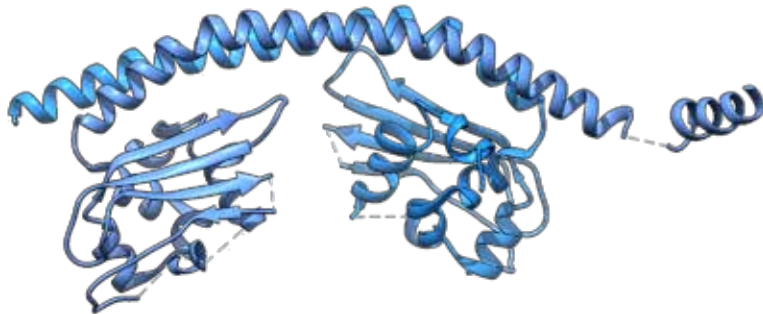


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Background & Objectives



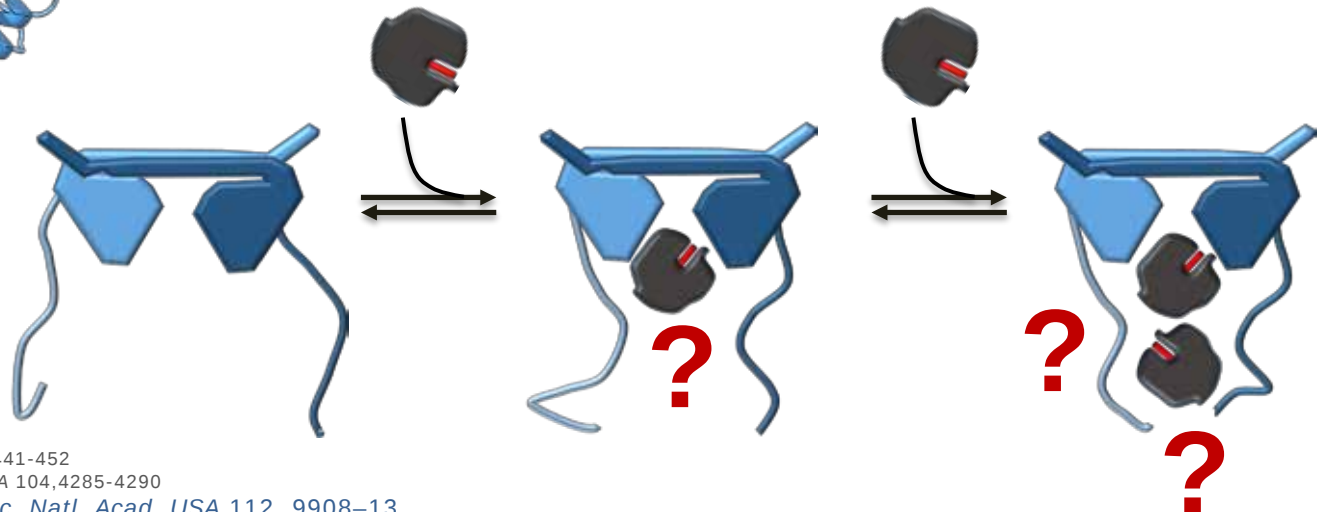
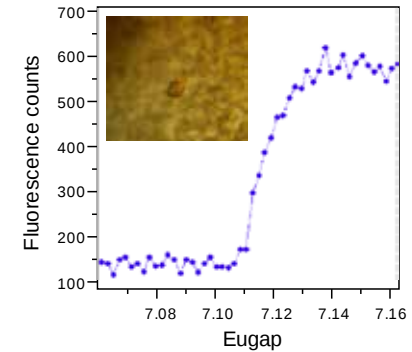
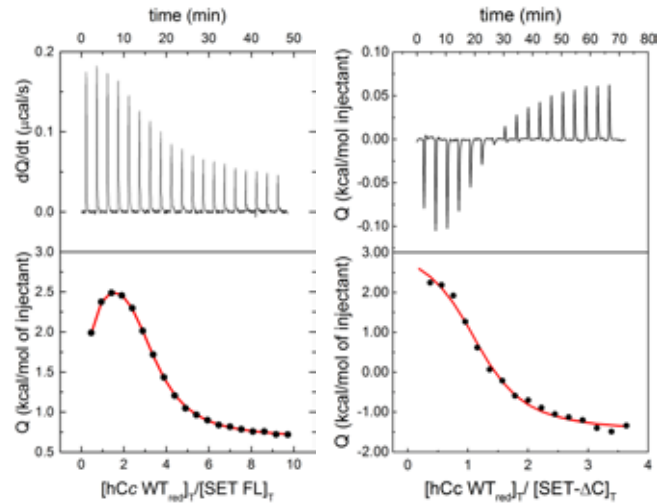
Cytochrome c
PDB: 3zcf



SET-TAF1b

PDB: 2e50

FLEXIBLE REGIONS MISSING!



Rajagopal et al. (2013) *Biochem. J.* 456, 441-452

Muto, S. et al. (2007) *Proc. Natl. Acad. USA* 104,4285-4290

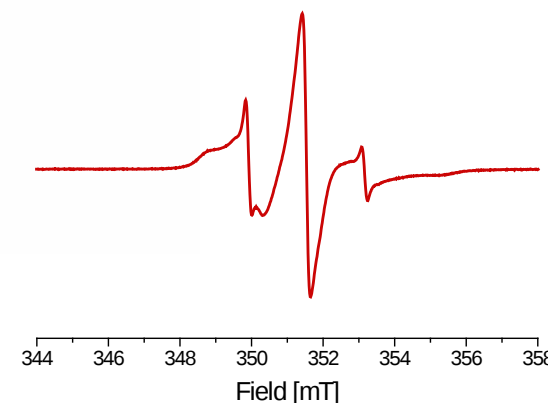
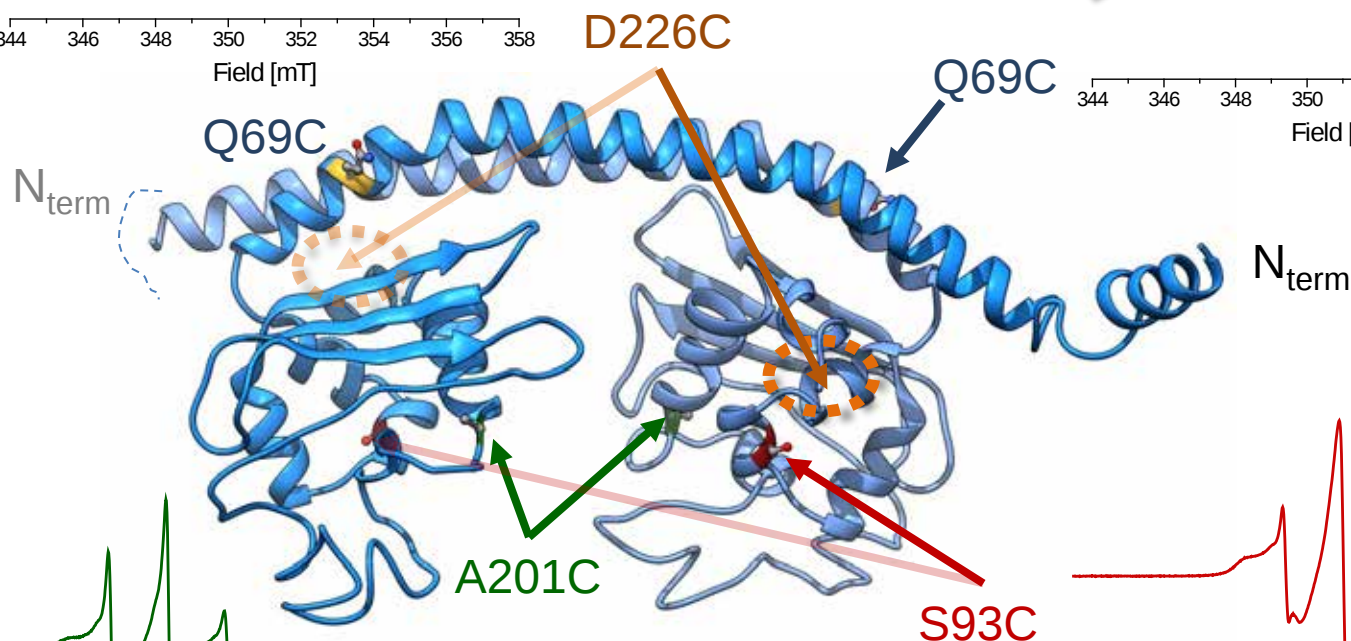
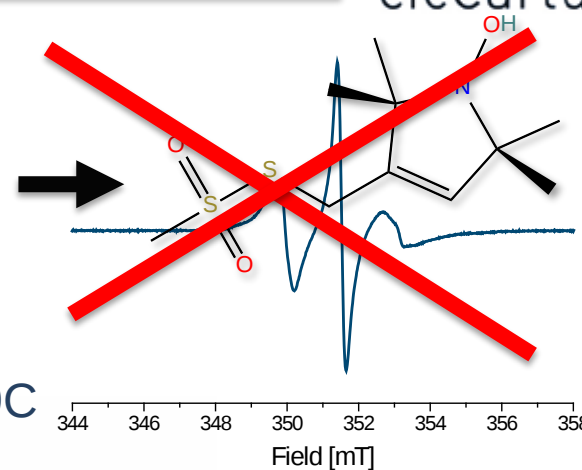
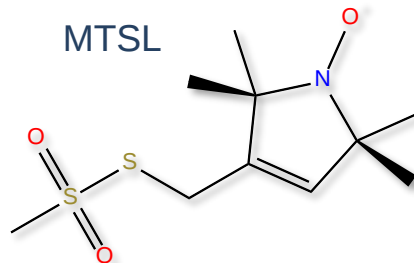
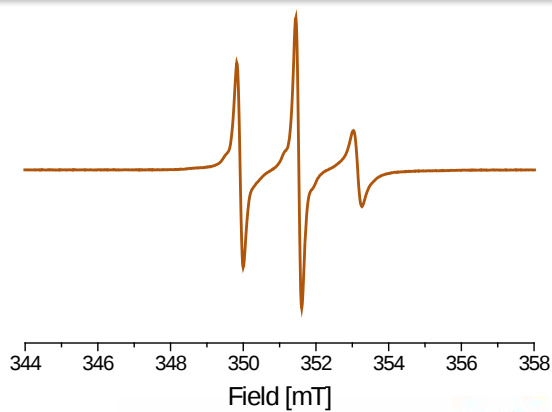
González-Arzola et al. (2015) *Proc. Natl. Acad. USA* 112, 9908-13

Martínez-Fábregas et al. (2014) *Mol. Cell. Proteom.* 13, 1439-56

Martínez-Fábregas et al. (2013) *Mol. Cell. Proteom.* 12, 3666-376

EPR spectra of SET DC_{MTSL} in D2O

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Room temperature X-Band, CW

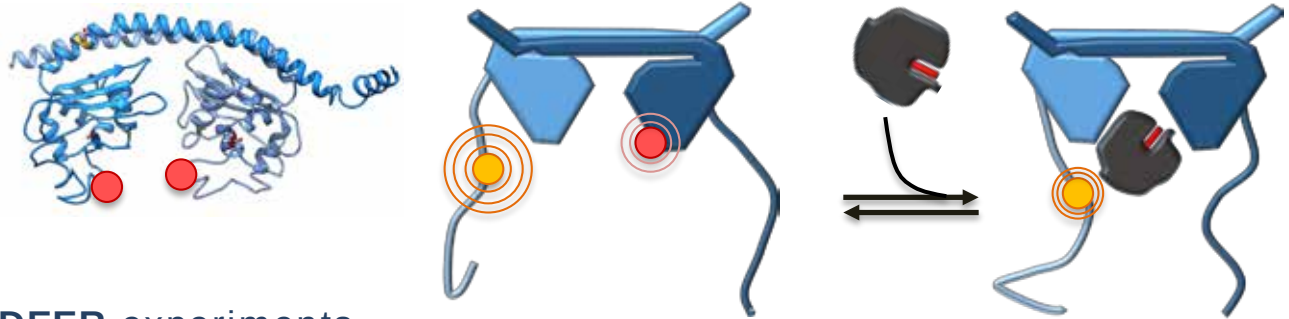
Loops modelled onto **PDB: 2E50**



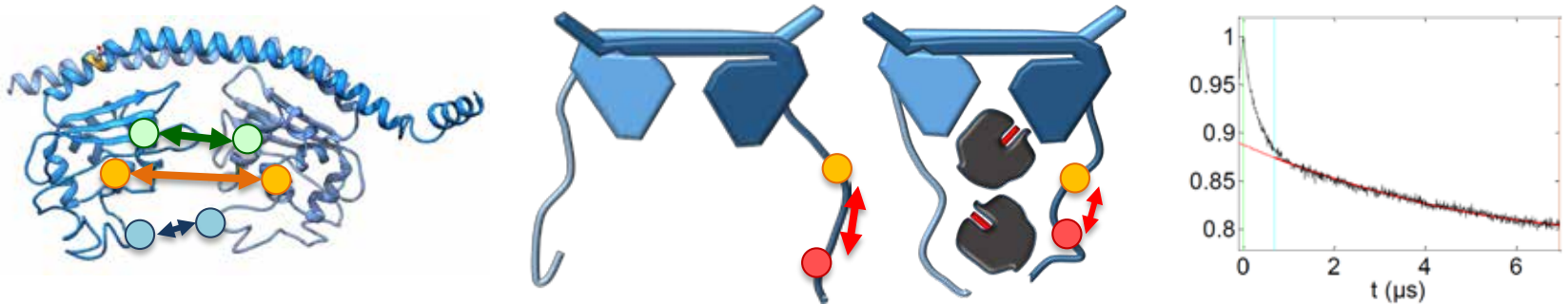


Future plans (Marseilles-Seville)

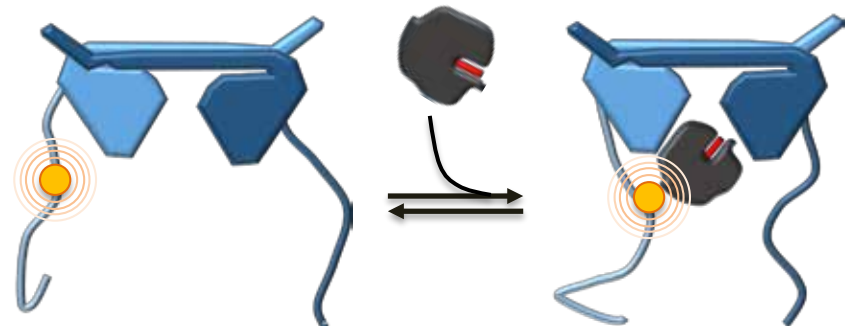
- Assessing the **changes in mobility** of the most flexible parts of SET-TAF 1b upon cytochrome c binding



- Measuring **distances** by **DEER** experiments



- Reckoning **intermolecular distances** from **PRE** NMR data



THANK YOU!

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Biointeractomics Unit

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