

Exceptional service in the national interest



Results from Sam Barnett's PARC Exchange Visit

Imaging conducted May 2016
Samples from Neil Hunter's Lab,
University of Sheffield

SAND2016-xxxx



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Strains

Synechocystis

- WT *Synechocystis* sp. PCC6803
- Δ cpcBAC2C1 *Synechocystis* sp. PCC6803
- YFP-PsaF in *Synechocystis* sp. PCC6803
- CpcA-PsaF in *Synechocystis* sp. PCC6803
- YFP-PsaF in Δ cpcBAC2C1 *Synechocystis* sp. PCC6803
- CpcA-PsaF in Δ cpcBAC2C1 *Synechocystis* sp. PCC6803
- YFP-YidC in *Synechocystis* sp. PCC6803
- YFP-TorA in *Synechocystis* sp. PCC6803
- YFP in *Synechocystis* sp. PCC6803
- YFP in Δ cpcBAC2C1

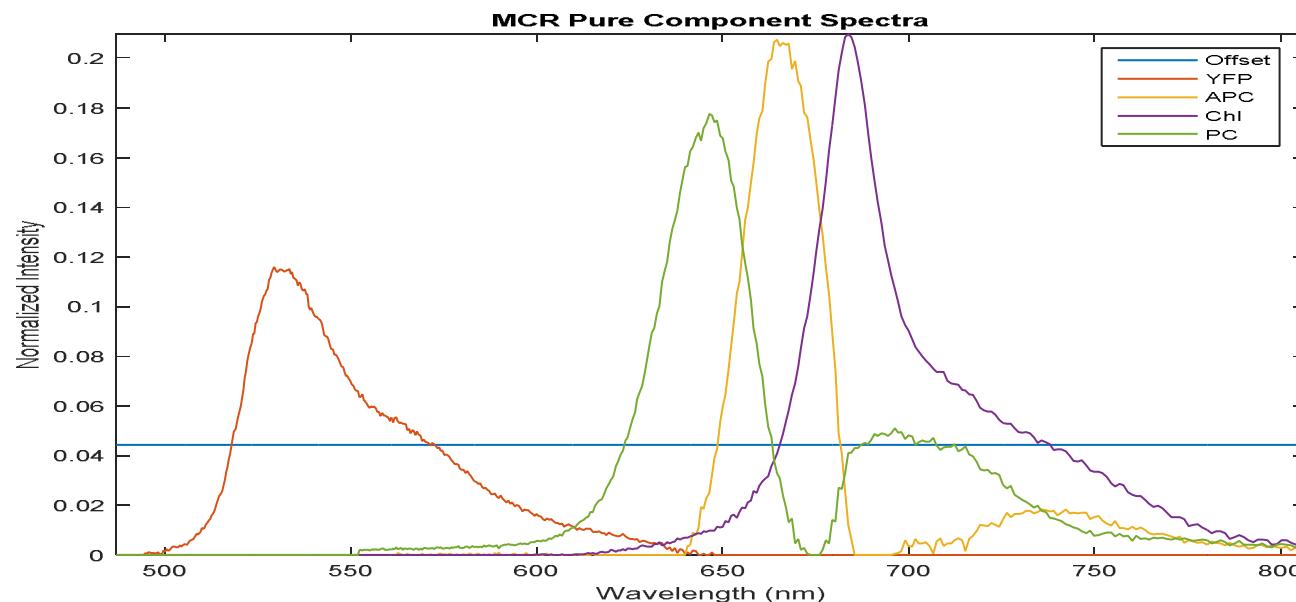
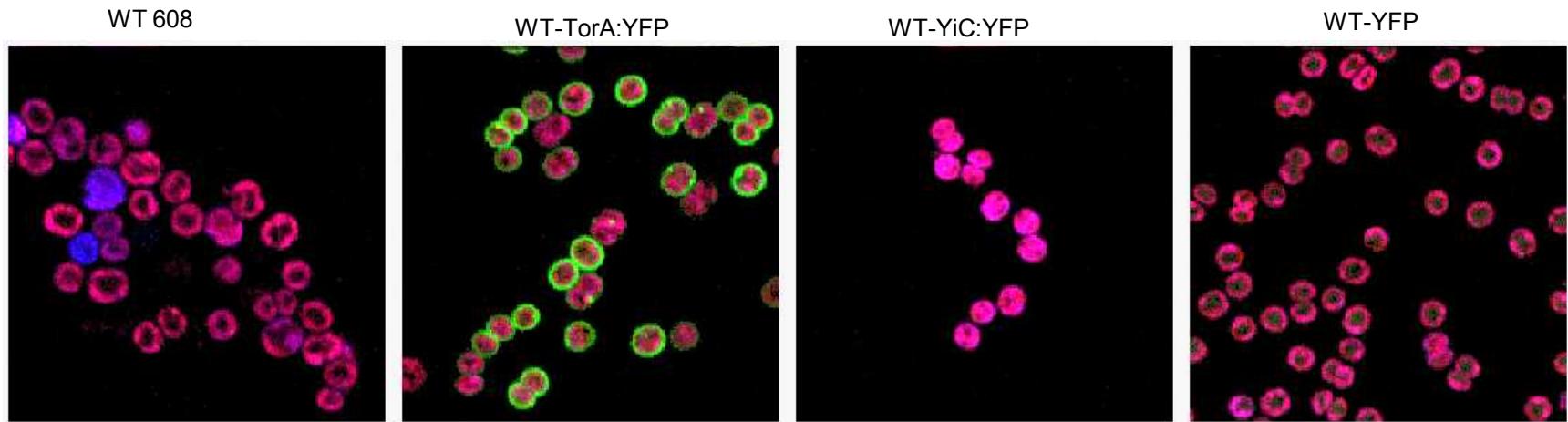
Ecoli

- Add strains here

Imaging

- Hyperspectral confocal fluorescence microscopy
- Spinning disk confocal fluorescence microscopy
- TIRF microscopy
- STORM microscopy

HCFM Results



Confocal Fluorescence

