

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

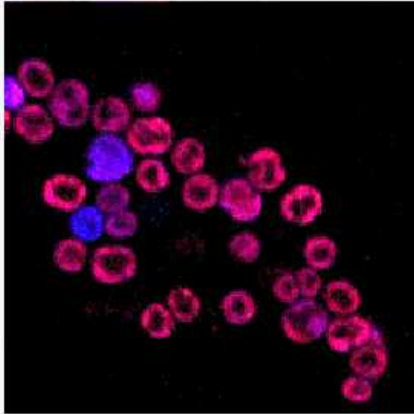
- Add strains here

Imaging

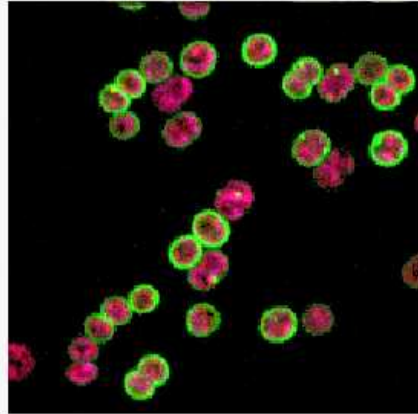
- Hyperspectral confocal fluorescence microscopy
- Spinning disk confocal fluorescence microscopy
- TIRF microscopy
- STORM microscopy

HCFM Results

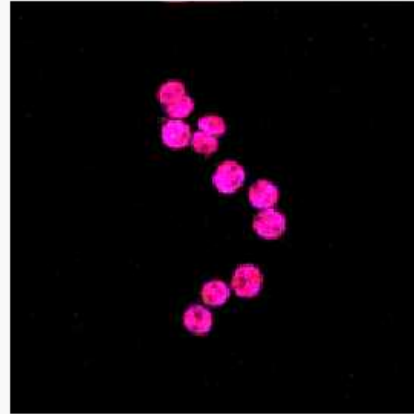
WT 608



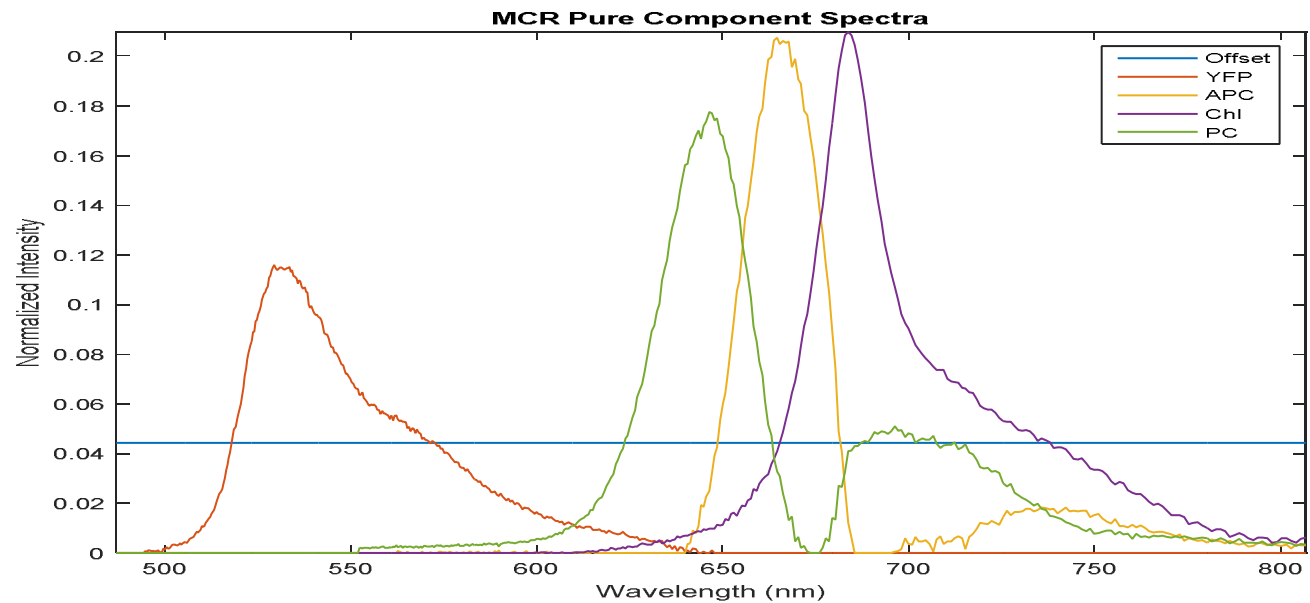
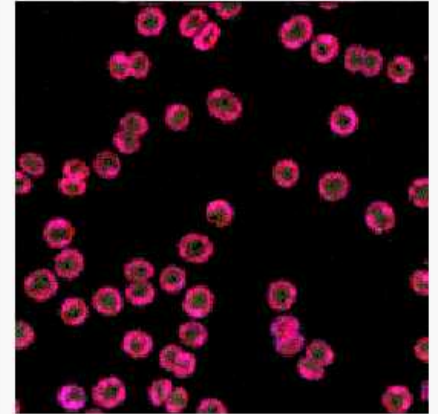
WT-TorA:YFP



WT-YiC:YFP



WT-YFP



Confocal Fluorescence

