

Streptavidin affinity grids (SAG) lattice subtraction

Requested files :

- GridTools.py
- MRC_RW_3.py
- Pattern_Optimizer.py
- SAGsub_3-2_stable_parallel_Nils.py

Place them all in a SAGsub3 folder in your home directory (`~/SAGsub3/`)

Most of the required python libraries are already available on the python hpc. Only the mrcfile library is missing and should be installed on phantom-node39 (I already did it, but I am not sure if its available for other account then mine)

```
ssh login@hpc.igbmc.fr
ssh login@phantom-node39
module load python/3.9
pip3 install mrcfile
```

Go to the folder containing the motion corrected micrographs to which the lattice subtraction needs to be applied (it can be resumed if it was partially ran before). Rub the command:

```
python3 ~/SAGsub3/SAGsub_3-2_stable_parallel_Nils.py --force_apix 0.729
```

The `-force_apix 0.729` is for Krios2 datasets; it needs to be changed for the other microscopes/cameras

From:

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