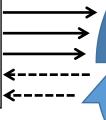
Take jobs from the **Provean** queue, submit them to the cluster, and monitor their progress.

HTTP(s) requests:

- submit new jobs
- check job status
- etc...



Python 3.5 (%) asyncio + aiohttp

event loop

Take jobs from the homology modelling queue, submit them to the cluster, and monitor their progress.

Take jobs from the **results** queue, and send a "Job Complete" email *only if* all mutation jobs are finished.

Take jobs from the mutation queue, submit them to the cluster only if the provean and homology model jobs are finished, and monitor their progress.