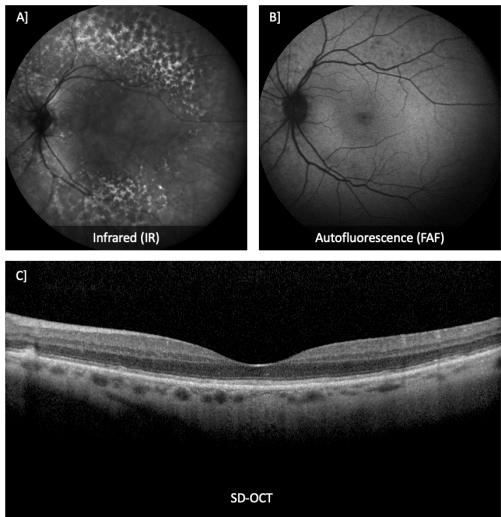


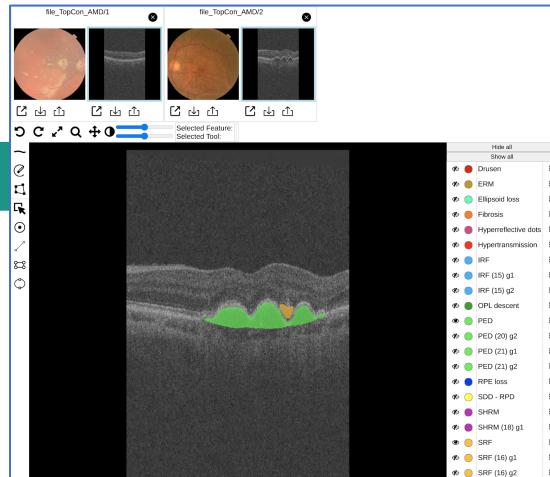
Target: 4000 retinal scans manually segmented for 17 features for training Eye2Gene (WP.1.B)

Unsegmented retinal scans



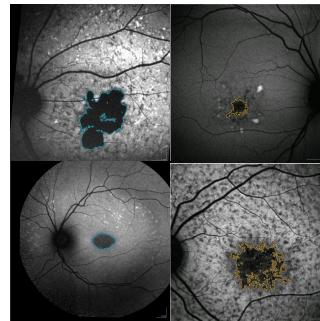
**4,000 FAF
4,000 IR
4,000 SD-OCT
(one B-scans per volume)**

Image annotation platform to segment features



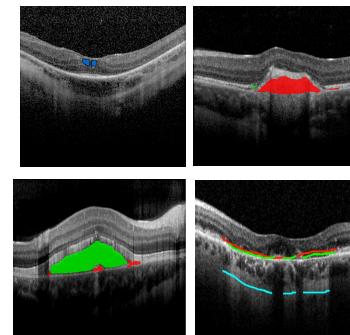
Moorfields
Reading Centre

Manually segmented FAF and IR features



8 FAF and IR features:
- hypo/hyper AF rings
- tapetal reflex
- peripapillary sparing
...

Manually segmented SD-OCT features



9 SD-OCT features:
- drusen
- subretinal fluid
- intraretinal fluid
- ellipsoid zone loss
...

Moorfields Reading Centre under the leadership of Dr Balaskas will segment 4000 retinal to provide a training dataset to Eye2Gene for automatic segmentation of IRD-specific features. 20% of scans will be kept for validation of Eye2Gene. This work is funded by the UCL Translational Research Office.