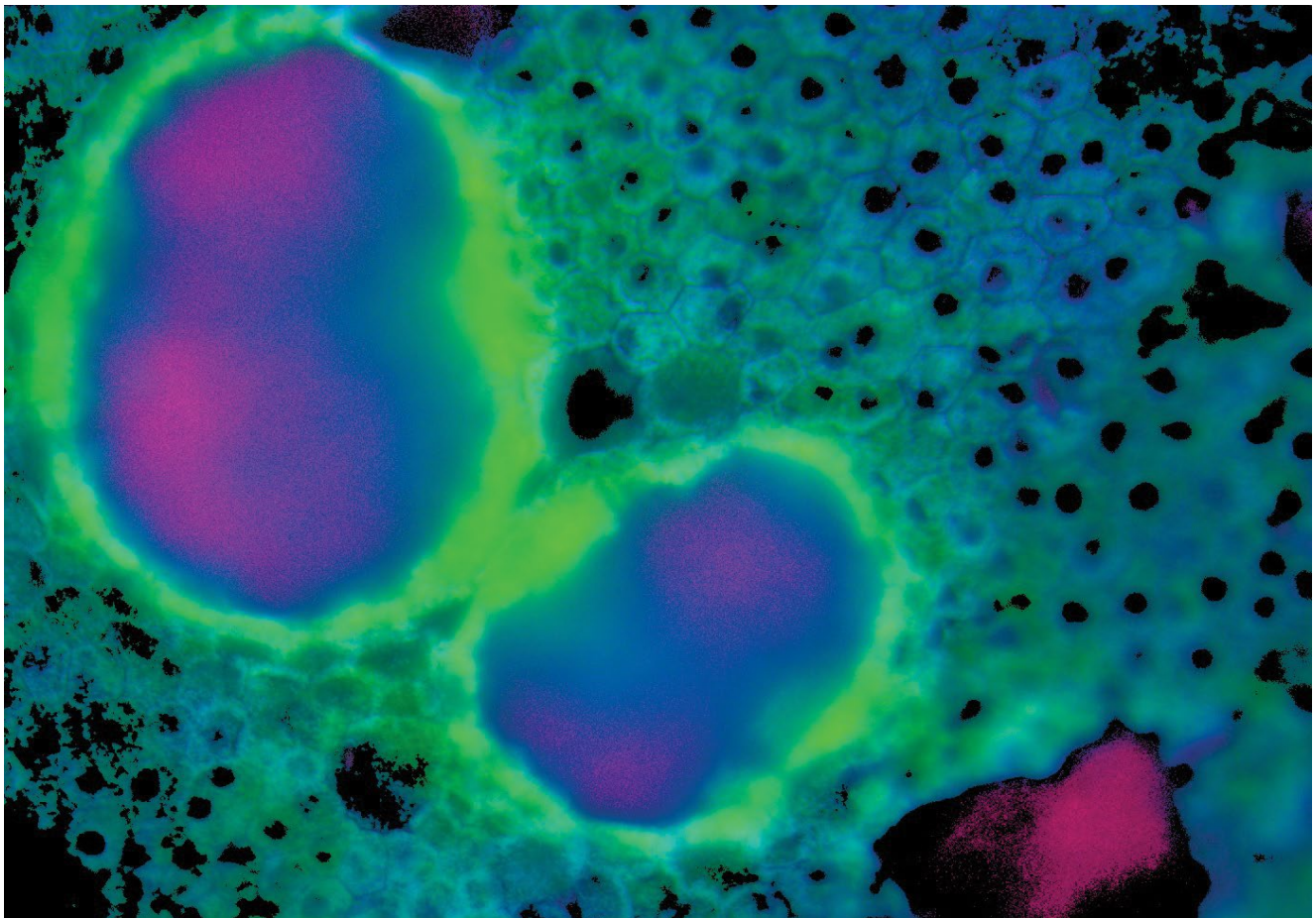




Image 1:007

## Drusen on Fire: Ex Vivo Hyperspectral Autofluorescence (AF) Image of Drusen from 81-Year-Old Male Donor with Age-Related Macular Degeneration



The image is an overlay of 3 images representing the distribution of the 3 most abundant fluorophore signals that were extracted using advanced factorization algorithms. The 3 images were digitally colored red (1), green (2) and blue (3). The signals localized to different components in the RPE as illustrated by color mixing: normal RPE cells (light blue), RPE Cells stacked at the edge of drusen creating a halo effect (light green), main body of drusen (blue) with a distinct central signal (pink) that also localizes to sub-RPE deposits (red). This method demonstrates that distinct fluorophore signals are localized specifically to drusen in AMD tissues.

### Information

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