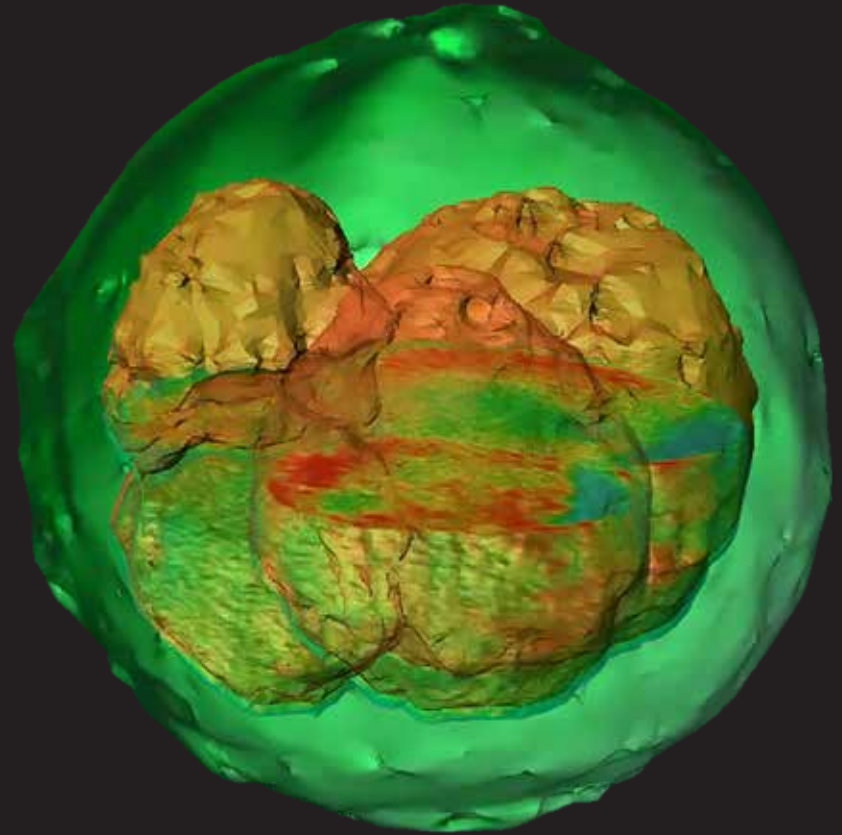


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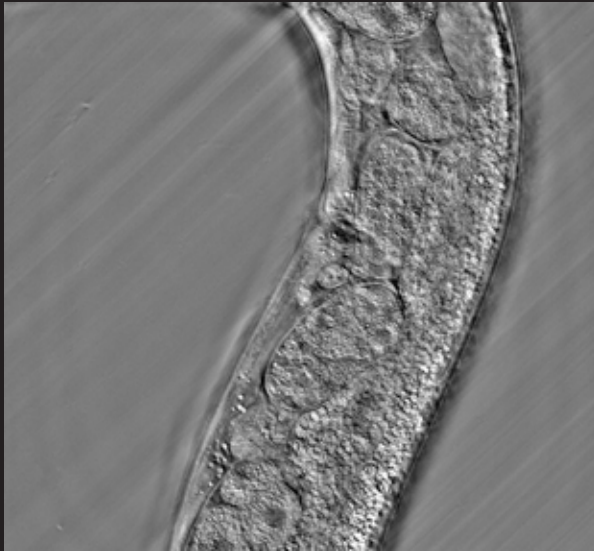


glim
gradient light
interference microscopy

Widefield 3D tomography

Phi Optics patented technology - Gradient Light Interference Microscopy (GLIM) is implemented as an add-on to all major brand optical microscopes (10X to 100X magnifications). Seamlessly overlays with fluorescence channels.

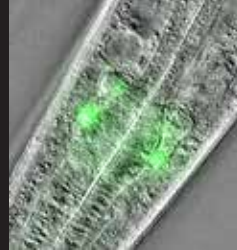
GLIM imaging of *C. Elegans* live specimen



Ovary, GLIM + GFP overlay

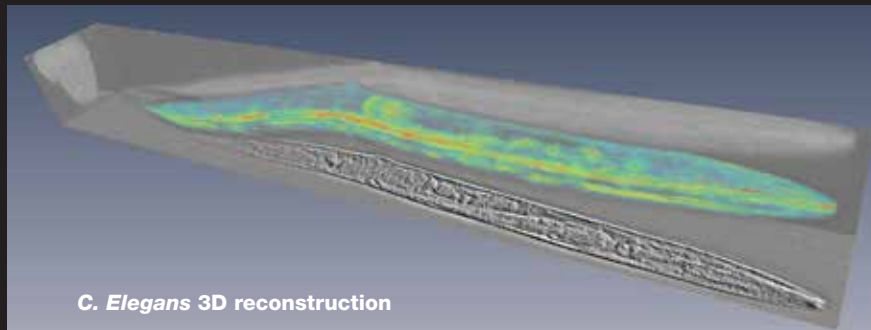


Pharynx, GLIM + GFP overlay

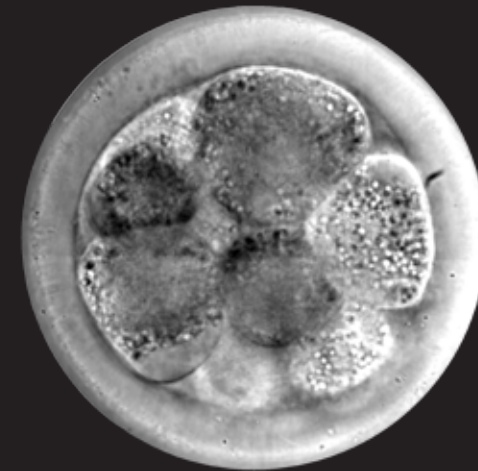


Phi Optics GLIM technology is a label-free imaging method capable of rendering quantitative 3D tomographic images of optically thick structures. GLIM suppresses multiple scattering contributions to provide remarkable contrast of thick objects.

- Non-invasive: no sample preparation
- Quantitative measurements: thickness and dry mass
- Label free continuous imaging from milliseconds to days
- Integrates with existing research grade microscopes



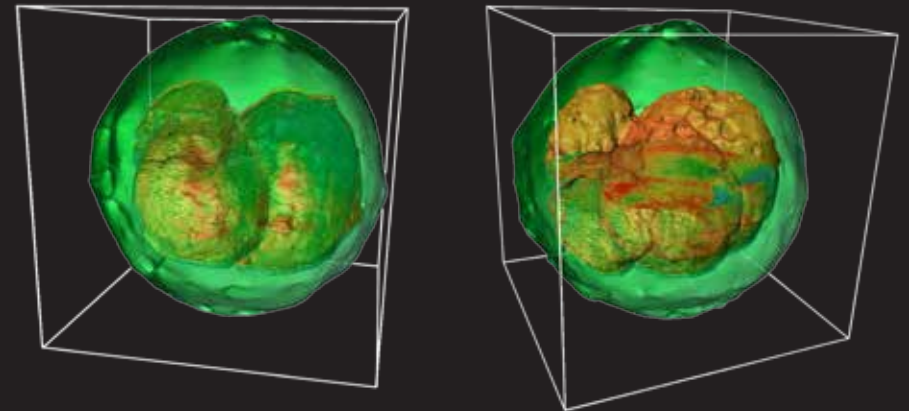
***C. Elegans* 3D reconstruction**



GLIM imaging bovine embryo

CellVista software platform:

- Programmed 4D (tiling, z-scan, time series) scanning and acquisition at up to 12fps with full camera resolution
- Multichannel imaging (including fluorescence channels) with seamless overlay
- ImageJ-based toolkit for measurement and 3D image rendering



Bovine embryo 3D reconstruction

Applications include:

- Brain tissue imaging
- Embryos
- Multicellular organisms (*C. Elegans*, *C. Planaria*)
- Organoids