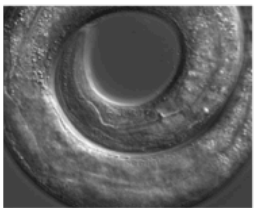
MODIFY

PREPARE

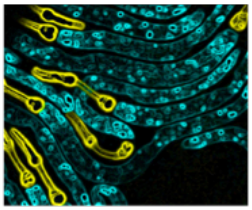
MEASURE

Your One-stop Shop for Advanced *C. elegans* Research Tools

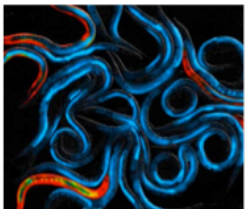
Modify: Design, construct, and deliver genetically modified *C. elegans* customized for your needs.



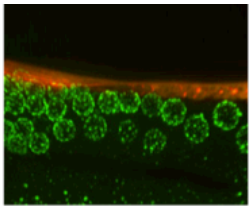
MUTATION
- Knockout
- Point Mutation
- Precise Deletion
- Fixed Allele



EXPRESSION
- MosSCI
- Extrachromosomal Array



TAGGING
- Fluorescent Tag
- Immunotag



OTHER SERVICES
- Expression Validation
- Inject Express

Prepare: Faster, easier, cleaner data with scientist-approved worm-prep reagents and tools.

- **OP50** – Reliable food source to reduce variability between experiments and improve reproducibility. Expected launch date: Oct. 2019
- **Hydrogel**: Reversible immobilization for high-resolution imaging purposes (up to 100x).
- **Worm Freezing Buffer**: Improve worm recovery rate by 50%.
- **NemaSync**: Harvest synchronized L1 *C. elegans* without bleaching, chemicals or starvation, in 15 minutes.
- **Temperature Control Chamber**: No more temperature fluctuation. Handy incubator to keep worms at a constant temperature.
- **Fluorescent Staining Kits:** Improve visualization of *C. elegans*' structure in phenotyping studies. Packaged in convenient sizes and concentrations.
- **Genotyping Reagents:** Get genotyping out of the way in minutes.

Measure: Visualize, quantify *C. elegans* behavior and collect phenotypic data.

Nema Imager:

Visualize *C. elegans* behaviors and capture high frame-rate video with image quality comparable to traditional inverted microscopes.

Nema Q-Suite:

Visualize, quantify & analyze phenotypes associated with feeding behavior.

The Nema Q-Suite is a fully integrated imaging and phenotyping platform that allows you to automatically measure worm size and analyze pharyngeal pumping activity. You can correlate fluorescence data such as calcium imaging or optogenetic stimulation with sub-events of the pharyngeal neuromuscular activity.

Arena:

Measures the overall activity of a worm population of day 1 adults and older on agar in 6-w, 24-w or 35mm plates.

wMicroTracker:

Measures the overall activity of a worm population of as early as L1 in 96-well plates and in liquid media.