

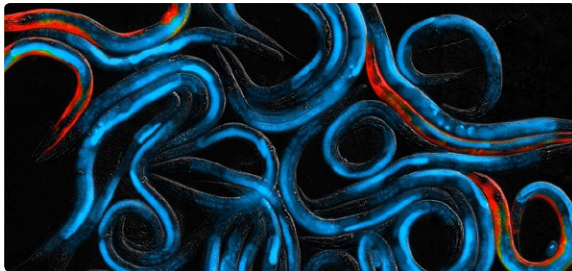


NemaMetrix

# From Genes to Behavior

## Platforms for discovery of gene-specific phenotypes

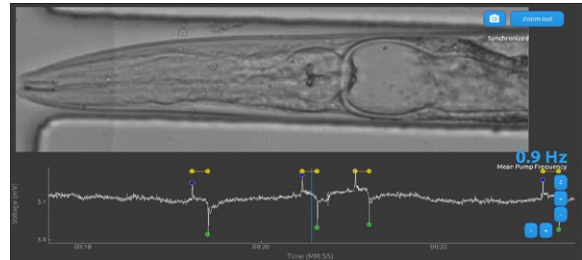
From creating custom *C. elegans* transgenics to visualizing and measuring phenotypes, we help you find your genotype-to-phenotype answers.



### Create Genotypes

We build custom *C. elegans* transgenics to your specifications so you can collect the data you need. Our genome editing methods include CRISPR, MosSCI, integrated array, and Extrachromosomal array.

[Turn over to see  
transgenic services...](#)



### Detect Phenotypes

Visualize *C. elegans* behavior and collect phenotypic data using our phenotyping platforms and services.

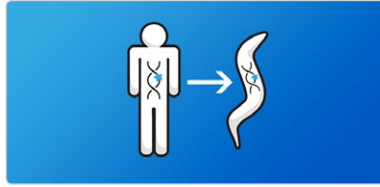
[Turn over to see  
phenotyping products...](#)

# NemaMetrix Services



## Custom *C. elegans* Transgenics

Design, construction and delivery of custom *C. elegans* transgenics optimized to your specifications. We have delivered 2,000 transgenic lines to researchers worldwide.



## Humanized Transgenics

Insert human genes or individual human mutations into the *C. elegans* genome to create simple, novel animal models for studying human diseases.



## Phenotyping Services

Perform phenotypic analysis to explore the consequences of mutations and patient-specific polymorphisms. You will receive raw and analyzed data.

# NemaMetrix Products

## ScreenChip System and Visual Synchronizer



### ScreenChip System

Collect rapid and precise whole animal phenotype with this platform. It enables you to quickly and reliably assess cellular and physiological responses to genetic mutations, drugs and other environmental changes.



### ScreenChip with Visual Synchronization

Records videos that are perfectly synchronized to the EPG data. The system synchronizes and associates visual phenotypes with feeding behavior.



### Fluorescent Staining Kits

RediStain™ fluorescent staining kits improve visualization of *C. elegans*' structure and function in phenotyping studies.



### Freeze-dried Instant OP50

Ensures reproducible food quality and lawn thickness. Packaged in a ready-to-use format, it has been shown to trigger strong, and steady feeding behavior in *C. elegans* over time.



### Genotyping Reagents

Genotyping reagents for *C. elegans* help you get your genotyping results in no more than 3-steps and 45 minutes. No ice needed, no hassle.