

# Resource Summary Report

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## Cornell Heart Lung Blood Resource for Optogenetic Mouse Signaling (CHROMus)

RRID:SCR\_014522

Type: Tool

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### Proper Citation

Cornell Heart Lung Blood Resource for Optogenetic Mouse Signaling (CHROMus)  
(RRID:SCR\_014522)

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### Resource Information

**URL:** <http://chromus.vet.cornell.edu/why-chromus/>

**Proper Citation:** Cornell Heart Lung Blood Resource for Optogenetic Mouse Signaling (CHROMus) (RRID:SCR\_014522)

**Description:** A transgenic mouse supplier which develops mouse lines expressing genetically encoded calcium indicators (GECIs) and optogenetic effectors in lineages relevant to cardiac, vascular, lung and blood diseases. The mouse strains created are designed to allow for inter crossing resulting in co-expression of sensors with discrete emission wavelengths in interacting lineages (e.g. endothelial and smooth muscle cells), as well as optically compatible effector/detector pairs.

**Abbreviations:** CHROMus

**Synonyms:** Cornell Heart Lung Blood Resource for Optogenetic Mouse Signaling

**Resource Type:** biomaterial manufacture, material service resource, production service resource, service resource

**Keywords:** heart, lung, blood, mouse, optogenetic mouse signaling, mouse line, develop

**Resource Name:** Cornell Heart Lung Blood Resource for Optogenetic Mouse Signaling (CHROMus)

**Resource ID:** SCR\_014522

**Record Creation Time:** 20220129T080320+0000

**Record Last Update:** 20260905T132747+0000

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### Ratings and Alerts

No rating or validation information has been found for Cornell Heart Lung Blood Resource for Optogenetic Mouse Signaling (CHROMus).

No alerts have been found for Cornell Heart Lung Blood Resource for Optogenetic Mouse Signaling (CHROMus).

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.