

Resource Summary Report

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Transgenic Hydra Facility

RRID:SCR_008641

Type: Tool

Proper Citation

Transgenic Hydra Facility (RRID:SCR_008641)

Resource Information

URL: <http://www.transgenic-hydra.org/>

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Description: The Transgenic Hydra Facility is a non-profit facility in the laboratory of Thomas Bosch at the University of Kiel that assists scientists to use and to develop transgenic Hydra polyps. Our mission is to provide investigators access to the latest technology for the efficient production of transgenic polyps. We particularly encourage scientists from laboratories lacking the infrastructure for transgenic Hydra technologies to use our services. Abstract: Understanding the evolution of development in large part relies on the study of phylogenetically old organisms. Cnidarians, such as Hydra, have become attractive model organisms for these studies. However, despite long-term efforts, stably transgenic animals could not be generated, severely limiting the functional analysis of genes. Here we report the efficient generation of transgenic Hydra lines by embryo microinjection. One of these transgenic lines expressing EGFP revealed remarkably high motility of individual endodermal epithelial cells during morphogenesis. We expect that transgenic Hydra will become important tools to dissect the molecular mechanisms of development at the base of the Metazoan tree. Sponsors: Financial support for this research was provided by the German Research Foundation [Deutsche Forschungsgemeinschaft Grants B0848/13 and SFB617.

Synonyms: Transgenic Hydra

Resource Type: biomaterial supply resource, material resource, organism supplier

Resource Name: Transgenic Hydra Facility

Resource ID: SCR_008641

Alternate IDs: nif-0000-32040

Record Creation Time: 20220129T080248+0000

Record Last Update: 20260829T182309+0000

Ratings and Alerts

No rating or validation information has been found for Transgenic Hydra Facility.

No alerts have been found for Transgenic Hydra Facility.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Milde S, et al. (2009) Characterization of taxonomically restricted genes in a phylum-restricted cell type. Genome biology, 10(1), R8.