

Resource Summary Report

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Embryo Imaging

RRID:SCR_006329

Type: Tool

Proper Citation

Embryo Imaging (RRID:SCR_006329)

Resource Information

URL: <http://embryoimaging.org/>

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Description: Collection of high resolution images and movies of mouse and human embryos produced using high resolution episcopic microscopy (HREM). Each data set is a series of block-face images generated during sectioning through an entire embryo, typically cut at 2-3 micrometers. Datasets are organized by approximate developmental stage and each embryo has been assigned a specimen ID (SID) for identification. This is an ongoing project funded by the Wellcome Trust to provide comprehensive imaging of normal and mutant mouse embryos that will complement the standard anatomical texts and form the basis for systematic phenotyping. * Movies: A 3D reconstruction shows each embryo, and lower resolution movies created through each orthogonal plane enable you to quickly review the data set. * Image Stacks: In the stack viewer, you can step through the images in sequence, zoom in to see fine details and adjust the image contrast. * NEW: Embryo Comparison: Two image stacks can now be compared in the stack viewer.

Abbreviations: Embryo Imaging

Resource Type: video resource, data set, image collection, data or information resource

Keywords: embryo, embryonic mouse, movie, high resolution image stack, image stack, comparison, high resolution episcopic microscopy, 3d reconstruction, imaging

Related Condition: Normal, Mutant

Funding: Wellcome Trust

Availability: Creative Commons Attribution-NonCommercial-ShareAlike License

Resource Name: Embryo Imaging

Resource ID: SCR_006329

Alternate IDs: nlx_152031

Record Creation Time: 20220129T080235+0000

Record Last Update: 20260801T042613+0000

Ratings and Alerts

No rating or validation information has been found for Embryo Imaging.

No alerts have been found for Embryo Imaging.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Weninger WJ, et al. (2014) Phenotyping structural abnormalities in mouse embryos using high-resolution episcopic microscopy. Disease models & mechanisms, 7(10), 1143.

Mohun T, et al. (2013) Deciphering the Mechanisms of Developmental Disorders (DMDD): a new programme for phenotyping embryonic lethal mice. Disease models & mechanisms, 6(3), 562.

Stauber M, et al. (2012) Modifying transcript lengths of cycling mouse segmentation genes. Mechanisms of development, 129(1-4), 61.

Mohun TJ, et al. (2011) Imaging heart development using high-resolution episcopic microscopy. Current opinion in genetics & development, 21(5), 573.