

EMAGE ADVISORY GROUP 2003

Present:

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Action points:

AP1

Offer more flexibility in wholmount mapping

A significant proportion of wholmount in situ data is not viewed in lateral views of embryos (eg. neural expression is often observed in dorsal views of whole- or flat-mounted embryos). Offering a larger range of commonly used views would extend the ability of EMAGE to store spatially mapped wholmount data. EO to survey GXD wholmount data images and catalogue which views are the most common and to develop other views if required to map these data.

AP2

Need for users to see overlaps in gene expression patterns

Facilities to directly compare multiple expression patterns (minimum of two) should be implemented in the EMAGE search interface.

AP3

Submission guidelines for data

Guidelines outlining required image quality to be included within supporting information. These should contain advice on the kind of quality and presentation required for images for data mapping in EMAGE. To include advice about lighting and photographing specimens.

AP4

Use generic 'health warnings' for interpretation of images

These should include information outlining the pitfalls of in situ data and the pitfalls of comparing in situ data mapped in EMAGE.

AP5

Need to complete painting of TS15-19 models

The EMAGE Advisory Committee supports work required to continue anatomy delineation in embryo models.

AP6

Funding collaborations to capture and record 3D gene expression data

Funding possibilities should be explored to enable specific and direct collaborations between EMAGE and labs to for generation of 3D gene expression data and mapping into EMAGE.

AP7

Targets of EMAGE data entry

Based on current data entry rates, the Editorial Office will aim to have at least 1000 gene expression patterns mapped and included in EMAGE before the next meeting of the Advisory Committee. This will mostly cover wholmount and single section data, but should also include a number of full 3D data that has been mapped in direct collaboration with developmental biology labs.