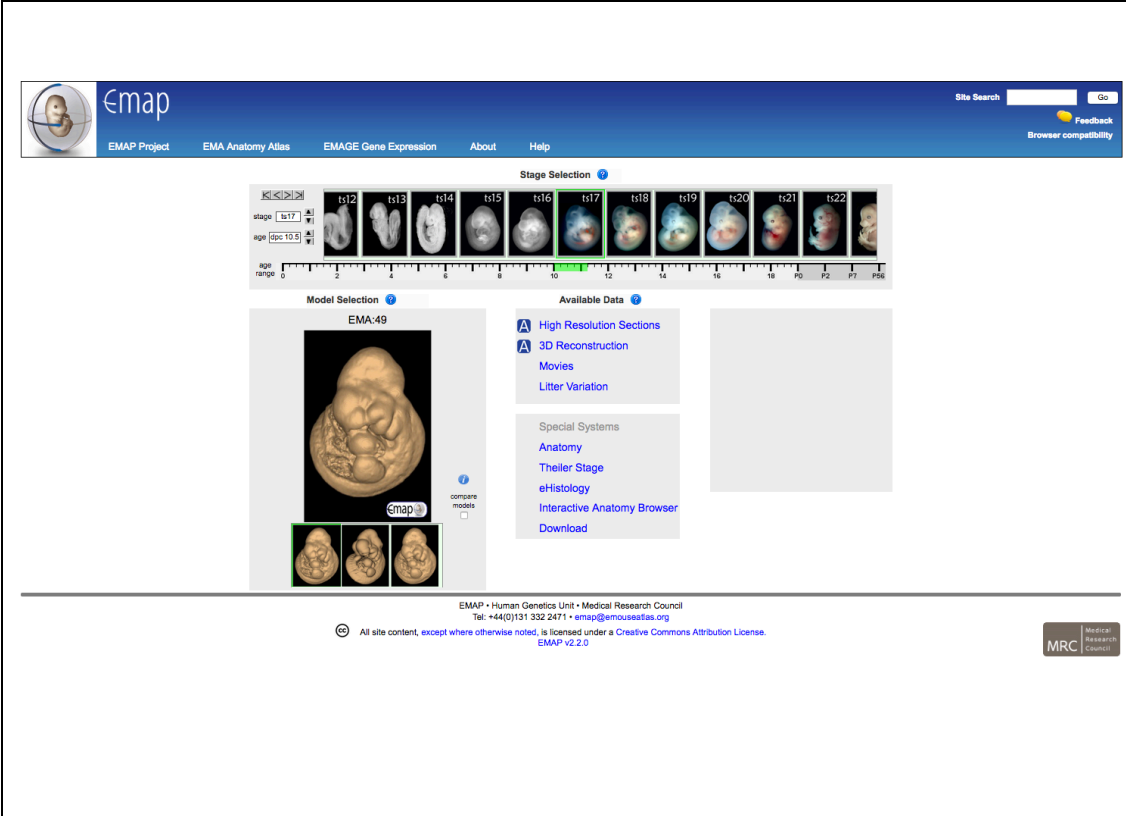


How to Use the 3D Viewer

- An **IIP3D web tool** allows a user to explore 3D models using a web browser. This viewer is accessible by clicking on the **3D reconstruction** link on the Stage Selector Page.

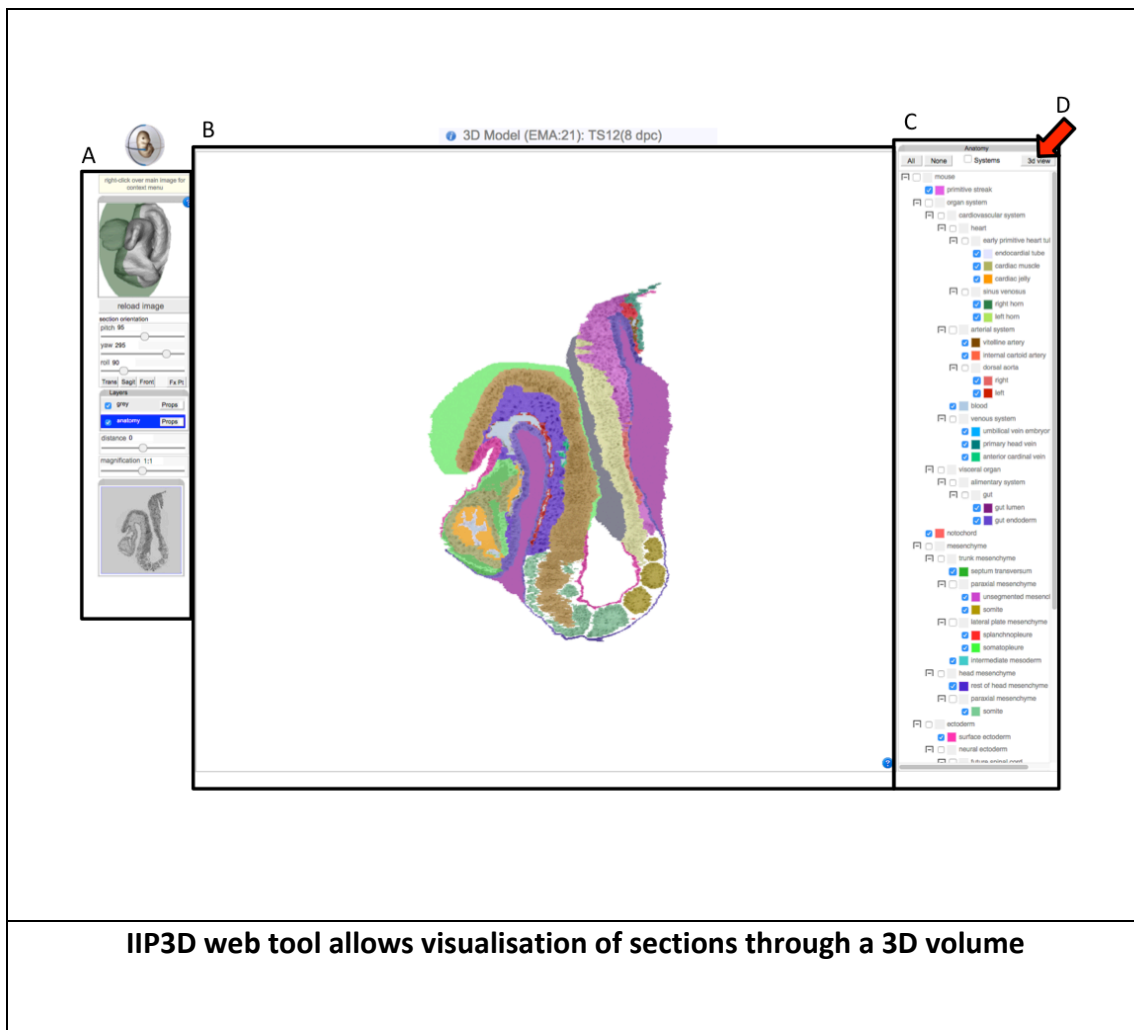


The screenshot displays the eMAP Stage Selector Page. At the top, there is a navigation bar with the eMAP logo and links for 'EMAP Project', 'EMA Anatomy Atlas', 'EMAGE Gene Expression', 'About', and 'Help'. A search bar and a 'Feedback' button are also present. The main content area features a 'Stage Selection' section with a timeline of mouse development stages from t12 to t22. Below this is a 'Model Selection' section showing a 3D model of a mouse embryo (EMA:49) and a 'compare models' button. To the right, an 'Available Data' section lists options: 'High Resolution Sections', '3D Reconstruction', 'Movies', and 'Litter Variation'. A 'Special Systems' section includes links for 'Anatomy', 'Theller Stage', 'eHistology', 'Interactive Anatomy Browser', and 'Download'. The footer contains contact information for EMAP, a Creative Commons license notice, and the MRC logo.

The eMouseAtlas Stage Selector Page

IIP3D Web Tool

A 3D reconstruction of an eMouseAtlas Theiler stage 12 embryo is shown in the example below.

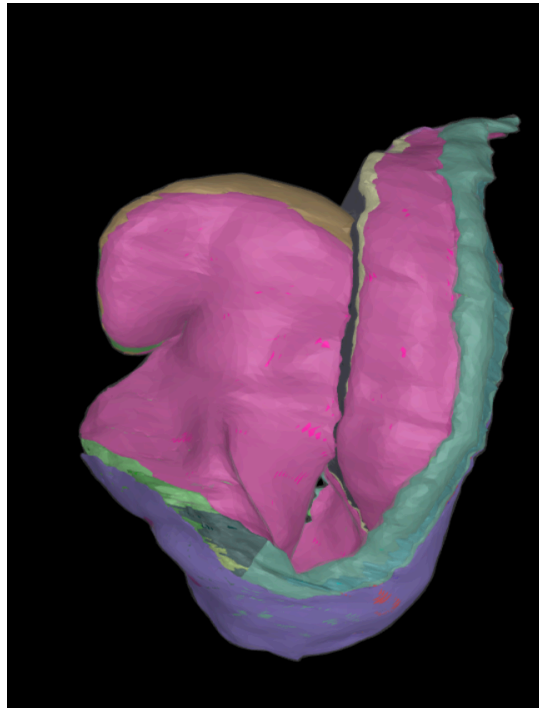


A) Navigation controls include pan-and-zoom; translating the viewing plane (distance); and rotating the viewing plane in 3 dimensions (pitch, yaw).

B) Central panel shows the chosen section through a 3D model with delineated anatomy.

C) Anatomy selection. A hierarchical tree is used to visualise delineated anatomical domains.

D) 3D view opens up the selected anatomical domains as a surface rendered object in a separate window.



Surface rendered 3D view of anatomy