**Examples:** HREM – Embryos/embryonic material

**Exemplary Publications**

HREM – Embryos/embryonic material
(unspecifically/specifically contrasted)

Weninger WJ, Geyer SH, Mohun TJ, Rasskin-Gutman D, Matsui T, Ribeiro I, daFCosta L, Izpisúa-Belmonte JC, Müller GB
High-resolution episcopic microscopy: a rapid technique for high detailed 3D analysis of gene activity in the context of tissue architecture and morphology

μMRI-HREM pipeline for high-throughput, high resolution phenotyping of murine embryos

Weninger WJ & Mohun TJ
Three dimensional analysis of molecular signals with episcopic imaging techniques

Weninger WJ & Geyer SH
Episcopic 3D imaging methods: tools for researching gene function

Weninger WJ & Geyer SH
Three-dimensional (3D) visualisation of the cardiovascular system of mouse embryos and fetuses

Weninger WJ, Maurer B, Zendron, Dorfmeister K, Geyer SH
Measurements of the diameters of the great arteries and the smilunar valves of chick and mouse embryos

Geyer SH, Mohun TJ, Weninger WJ
Visualizing vertebrate embryos with episcopic 3D imaging techniques

Mohun TJ, Weninger WJ
Imaging heart development using high-resolution episcopic microscopy

Geyer SH, Maurer B, Pötz L, Singh J, Weninger WJ
HREM-data based measurements of the arteries of mouse embryos: evaluation of significance and reproducibility under routine conditions
Cells Tissues Organs (2012), 195: 524-534

Geyer SH, Weninger WJ
Some mice feature 5th pharyngeal arch arteries and double lumen aortic arch malformations
Cells Tissues Organs (2012), 196: 90-98
Examples: HREM – Embryos/embryonic material

Geyer SH, Weninger WJ
Metric characterization of the aortic arch of early mouse fetuses and of a fetus featuring a double lumen aortic arch malformation

Deciphering the mechanisms of developmental disorders (DMDD): a new programme for phenotyping embryonic lethal mice.
Dis Model Mech (2013) 6:562-566

Norris FC, Wong MD, Greene ND, Scambler PJ, Weaver T, Weninger WJ, Mohun TJ, Henkelman RM, Lythoge MF
A coming of age: advanced imaging technologies for characterising the developing mouse
Trends Genet (2013) 29:700-711

Dual modality optical coherence an whole-body photoacoustic tomography imaging of chick embryos in multiple developmental stages
Biomedical Optics Express (2014) 5:3150-3159

Phenotyping structural abnormalities in mouse embryos using high-resolution episcopic microscopy
Disease Models & Mechanisms (2014) 7: 1143-1152

The embryogenesis of the equine femorotibial joint: the equine interzone
Equine Vet J (2014), epub

Bruneel B, Mathà M, Paesen R, Ameloot M, Weninger WJ, Huysseune A
Imaging the zebrafish dentation: From traditional approaches to emerging technologies
Zebrafish (2015), 12: 1-10