

Developmental Biology Curie/SU Workshop 2021

| | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday morning |
|-----------------|--|---|---|---|--|---|
| Sept 20- 25 | Mouse A. Stedman, R. Grifonne, M. Paces-Fessy C. Elegans J. Merlet, F.Llense, V. Galy | C. Elegans J. Merlet, F.Llense, V. Galy | Mouse A. Stedman, R. Grifonne, M. Paces-Fessy | Mouse A. Stedman, R. Grifonne, M. Paces-Fessy | Zebrafish E. Havis, C. Fassier | Zebrafish E. Havis, C. Fassier |
| Sept. 27- Oct 2 | Drosophila PL. Bardet, A. Audibert, E. Buffin | Drosophila PL. Bardet, A. Audibert, E. Buffin | Drosophila PL. Bardet, A. Audibert, E. Buffin | Xenopus M. Umbhauer, C. Carron, JF Riou | Xenopus M. Umbhauer, C. Carron, JF Riou | Xenopus M. Umbhauer, C. Carron, JF Riou |
| Oct 4- 8 | Early mouse Development E. Buffin, J. Merlet | Early mouse Development E. Buffin, J. Merlet | Chick T. Jaffredo, C. Thibault, E. Havis | Chick T. Jaffredo, C. Thibault, E. Havis | Chick T. Jaffredo, C. Thibault, E. Havis | |

Practicals will take place at Sorbonne Université, 9 quai Saint-Bernard - Building B - 3 rd floor - room TP2

C. Elegans practical: V. Galy, F. Llense, J. Merlet (SU, Paris)

The fate of paternal components after fertilization : Analysis of the first massive autophagy wave in *C. elegans* development

Zebrafish practical: E. Hirsinger, E. Havis, C. Fassier (SU, Paris)

Ablation of the shield. Analysis of *Cyp26a1* as a target of the Iroquois gene. Injection of *Cyp26a1*-GFP and analysis of operated embryos.

Xenopus practical: M. Umbhauer, C. Carron, JF. Riou (SU, Paris)

Manipulating embryonic axes, Spemann experiment, mesoderm induction in vitro, Nieuwkoop recombination, gastrulation in vitro.

Early mouse practical : E. Buffin, J. Merlet (SU, Paris): Culture of mouse oocytes and early mouse embryos

Avian practical: C. Fournier-Thibault, T. Jaffredo, E . Havis (SU, Paris)

Whole embryo culture. Intracardiac retroviral injection. Chick-quail and chick mouse grafts. Neural tube electroporation. Neural crest cell culture

Drosophila practical : A. Audibert, M. Gho, E. Buffin (SU, Paris)

Transgenic embryo analysis : study of cuticule, wing and leg imaginal discs, formation of mecano-sensorial organs.

Mouse practical :

R. Griffone, A. Stedman, M. Paces-Fessy (SU, Paris)

Embryo culture, Organ culture, Organoids, transgenic embryos