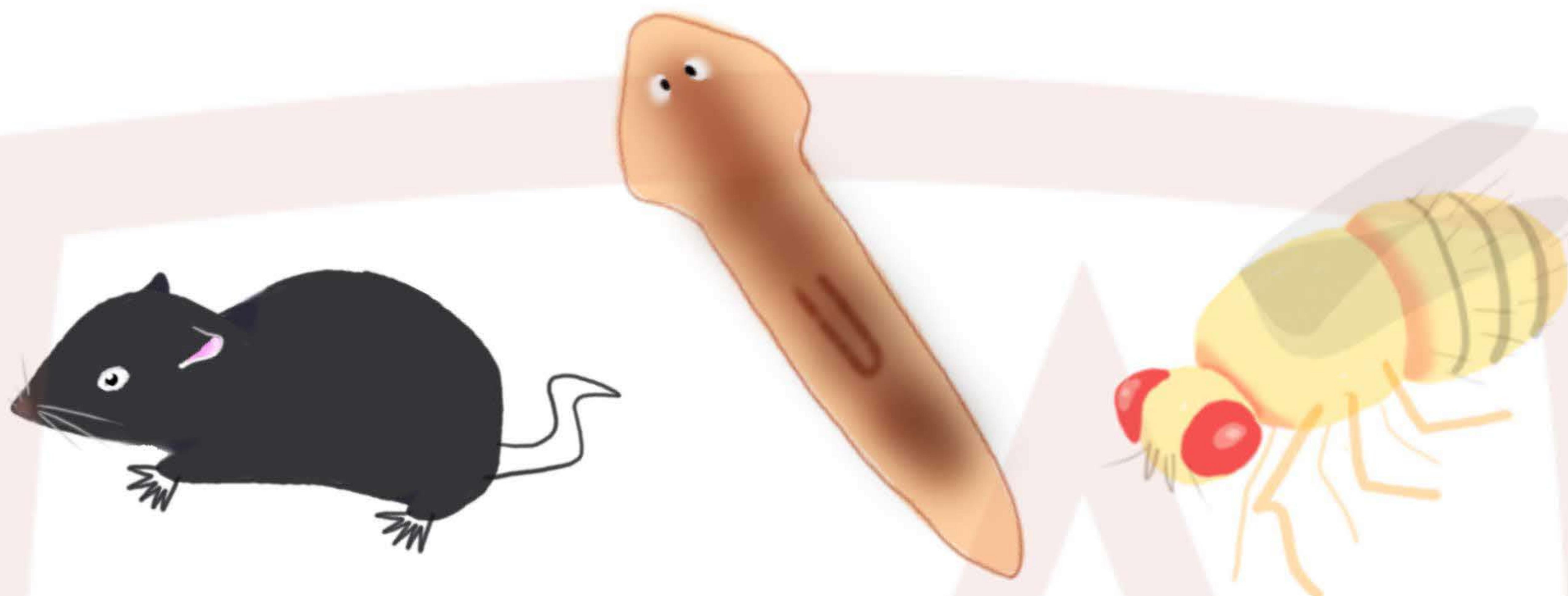


The International Research Symposium on
**Germness and Pluripotency of the Planarians
in comparison with the Fly and Mouse Systems**



Phillip Newmark

(University of Wisconsin-Madison, USA)

Yasuhisa Matsui

(Tohoku University, JPN)

Takeshi Inoue

(Gakushuin University, JPN)

Melanie Issigonis

(University of Wisconsin-Madison, USA)

Norito Shibata

(National Institute of Technology, JPN)

Yoshiki Hayashi

(University of Tsukuba, JPN)

Kiyono Sekii

(Hirosaki University, JPN)

29th March, 2018 Hirosaki University 50th Anniversary Auditorium

www.hirosaki-u.ac.jp/jimu/soumu/kaikan

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科学研究費補助事業－科研費－ 新学術領域研究

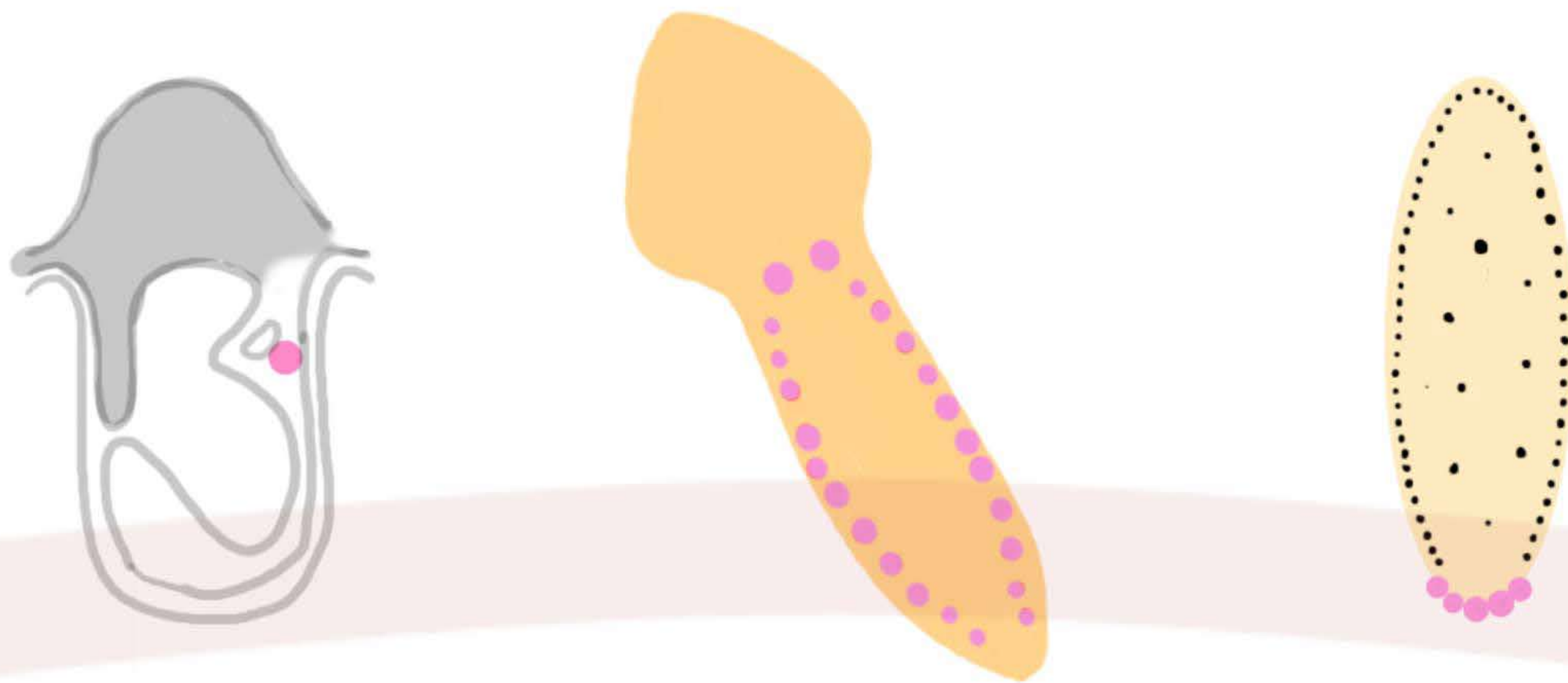
動物における配偶子産生システムの制御
Mechanisms regulating gamete formation in animals

平成25年度～29年度



HIROSAKI
UNIVERSITY

農学生命科学部
研究推進セミナー



13:00-13:10 Reception

13:10-13:20 **Kazuya Kobayashi** (Hiroshima University, JPN)
Opening remarks

13:20-13:40 **Takeshi Inoue** (Gakushuin University, JPN)
“Close relationship between the eye architecture and the spontaneous self-motion establishes robust photo-response orientation behavior in planarians”

13:40-14:00 **Yasuhisa Matsui** (Tohoku University, JPN)
“Similarity and difference of germness and pluripotency”

14:00-14:20 Coffee break

14:20-14:40 **Norito Shibata** (National Institute of Technology, Tsuyama College, JPN)
“in vivo adult pluripotent stem cells in planarian ~ How can planarian maintain the stem cells in the adult body? ~”

14:40-15:00 **Yoshiki Hayashi** (University of Tsukuba, JPN)
“Characteristics of *Drosophila* germ-line from metabolic aspect. -The role of Methionine metabolism during germ-line development of *Drosophila*-”

15:00-15:25 **Melanie Issigonis** (University of Wisconsin-Madison, USA)
“A genome-wide screen for germ cell genes in planarians ”

15:25-15:45 Coffee break

15:45-16:05 **Kiyono Sekii** (Hiroshima University, JPN)
“Sex-inducing substances are widely conserved among Platyhelminthes, including parasitic flatworms”

16:05-16:50 **Phillip Newmark** (University of Wisconsin-Madison, USA)
“A functional-genomic screen in the planarian *Schmidtea mediterranea* to identify regulators of female germ cell development ”

16:50-17:00 **Motonori Hoshi** (Tokyo Institute of Technology, Keio University, JPN)
Closing remarks