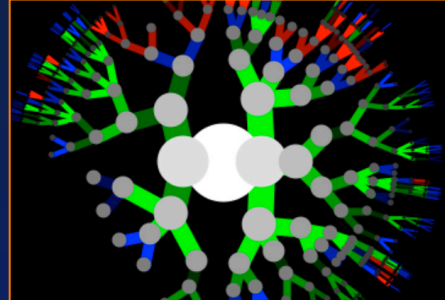
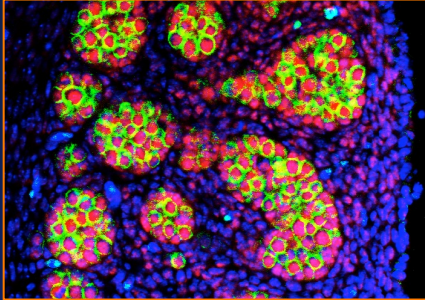




Announcing the 2019 Gordon Research Conference on:

# Germinal Stem Cell Biology

Germ Cell Programming in Vertebrate Biology, Medicine and Biotechnology



**May 19-24, 2019**

Courtyard by Marriott Hong Kong Sha Tin Hong Kong, China

Chair: **Monika Ward** Vice Chair: **Blanche Capel**

<https://www.grc.org/germinal-stem-cell-biology-conference/2019/>.

This conference will explore the timely issues of germ cell origin, identification, genetic and epigenetic regulation, germline mutations, environmental impacts on germ cell quality, early embryogenesis, and technological advancements that expand knowledge regarding germ cells. Special emphasis will be on single cell analyses that enable addressing these research topics with unprecedented sensitivity. The focus is on outstanding, unpublished science and its translation in medical, biotechnological and agricultural contexts.

## Preliminary Program

- **Early Embryogenesis: The Origin of the Germline**  
(*Ian Chambers / Magdalena Zernicka-Goetz / Takashi Hiiragi / Jianping Fu*)
- **Genetic Regulation of the Germline**  
(*Josephine Bowles / Martin Matzuk / Wei Li / Peter Koopman*)
- **Female Germline Development**  
(*Lei Lei / Ji Wu / Evelyn Telfer / Caixia Yang*)
- **Single Cell Analyses of Germ Cell Development**  
(*Blanche Capel / Brian Hermann / Sue Hammoud / Fuchou Tang / Kikue Tachibana-Konwalski*)
- **Spermatogonial Stem Cells and Their Niche**  
(*Jon Oatley / Bradley Cairns / Jan-Bernd Stukenborg / Xin Chen*)
- **Environmental Impacts on the Germline**  
(*Patricia Hunt / Qi Chen / Adam Watkins / Michelle Lane*)
- **Epigenetic Programming of Germline Development**  
(*Amander Clark / Mitinori Saitou / Makoto Tachibana / Patrick Western*)
- **Technological Advances in Germ Cell Research**  
(*Monika Ward / Masahito Ikawa / Goro Yoshizaki / Irina Larina*)
- **Natural and Induced Mutations in the Germline**  
(*John McCarrey / Anne Goriely / Jacob Mueller / Itai Yanai*)