

HAIYANG FENG

Postdoctoral Scientist at Kristin E. Gribble Lab and David Mark Welch Lab since October 2021
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PERSONAL INFORMATION

Male, Born in October 2, 1984, Xinmin City, Liaoning Province, China
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PAST WORK EXPERIENCE

Dec. 2018 – Mar. 2020	Researcher, Sars International Centre for Marine Molecular Biology, University of Bergen (UiB), Bergen, Norway
Jan. 2018 – Oct. 2018	Substitute Department Engineer, Sars Centre, UiB
July 2010 – Nov. 2013	Technician, Department of Biochemistry, School of Life Sciences, Fudan University, Shanghai, China

EDUCATION BACKGROUND

Jan. 2014 – Jan. 2018	PhD, Department of Biological Sciences, University of Bergen Major: Marine biology, Supervisor: Eric Thompson Dissertation: Roles of M-phase cell cycle regulatory paralogs in the urochordate <i>Oikopleura dioica</i>
Sept. 2007 – July 2010	M.Sc., College of Fisheries and Life Science, Shanghai Ocean University Major: Marine biology, Supervisor: Gaofeng Qiu Dissertation: The role of Cyclin B during meiotic maturation of oocyte in crab and prawn
Sept. 2002 – July 2006	B.Sc., School of Life Science, Liaoning University Major: Biological technology

TEACHING ACTIVITIES

Teaching Assistant in BIO103 Cell Biology and Genetics (Bachelor level), UiB, 2015-2017
Mentoring in BIO299 Research Practice in Biology (Bachelor final project), UiB, 2016
Teaching Assistant in BIO300 Biological Data Analysis and Research Design (Master level), UiB, 2015

EXPERTISE

Techniques: microinjection, RNA interference, CRISPR, molecular cloning, *in situ* hybridization, immunofluorescence, histology, confocal imaging, BiFC, FRET, FRAP, protein expression and purification, immunoprecipitation, CHIP, Y2H

Molecular and cell biology, Evo-Devo, Cell cycle, Gametogenesis

CONFERENCE EXPERIENCES

EMBO workshop: chromosome segregation and aneuploidy (Cascais, 2019), poster
The 82nd Cold Spring Harbor Symposium on Quantitative Biology: chromosome segregation & structure (New York, 2017), poster

PUBLICATIONS (¹ denotes co-first authors)

Chen Y¹, Fang X¹, Tian X, Cui Z, **Feng H**, Qiu G. (2021) Germ plasm and the origin of the primordial germ cells in the oriental river prawn *Macrobrachium nipponense*. *Cell and Tissue Research*. 386: 559-569.

Dong Y¹, **Feng H**¹, Tian X¹, Wang Q, Zhang S, Ma K, Qiu G. (2021) Identification of a novel germ cell marker MnTdrd from the oriental river prawn *Macrobrachium nipponense*. *Development Genes and Evolution*. 231: 11-19.

Feng H¹, Dong Y¹, Liu X, Qiu G. (2020) Cyclin B protein undergoes increased expression and nuclear relocation during oocyte meiotic maturation of the freshwater prawn *Macrobrachium rosenbergii* and the Chinese mitten crab *Eriocheir sinensis*. *Gene*. 758: 144955.

Feng H, Raasholm M, Moosmann A, Campsteijn C, Thompson EM. (2019) Switching of INCENP paralogs controls transitions in mitotic chromosomal passenger complex functions. *Cell Cycle*. 18: 2006-2025.

Feng H, Thompson EM. (2018) Specialization of CDK1 and cyclin B paralog functions in a coenocystic mode of oogenic meiosis. *Cell Cycle*. 17: 1425-1444.

Zhu Y¹, Rong L¹, Luo Q¹, Wang B, Zhou N, Yang Y, Zhang C, **Feng H**, Zheng L, Shen W-H, Ma J, Dong A. (2017) The histone chaperone NRP1 interacts with WEREWOLF to activate GLABRA2 in *Arabidopsis* root hair development. *Plant Cell*. 29: 260-276.

Weng M¹, Yang Y¹, **Feng H**, Pan Z, Shen W-H, Zhu Y, Dong A. (2014) Histone chaperone ASF1 is involved in gene transcription activation in response to heat stress in *Arabidopsis thaliana*. *Plant Cell & Environment*. 37: 2128-2138.

Yao X, **Feng H**, Yu Y, Dong A, Shen W-H. (2013) SDG2-mediated H3K4 methylation is required for proper *Arabidopsis* root growth and development. *PLoS One*. 8: e56537.

Sui P¹, Jin J¹, Ye S, Mu C, Gao J, **Feng H**, Shen W-H, Yu Y, Dong A. (2012) H3K36 methylation is critical for brassinosteroid-regulated plant growth and development in rice. *Plant Journal*. 70: 340-347.

Feng H, Qiu G. (2011) Prokaryotic expression, antibody preparation and identification of a Cyclin B protein in the Chinese mitten crab *Eriocheir sinensis* and Malaysian giant prawn *Macrobrachium rosenbergii*. *Journal of Fishery Sciences of China*. 18: 713-719.

Qiu G, **Feng H**, Yamano K. (2009) Expression and purification of active recombinant cathepsin C (dipeptidyl aminopeptidase I) of kuruma prawn *Marsupenaeus japonicus* in insect cells. *Journal of Biomedicine and Biotechnology*. 2009: 746289.