



Lab. of Reproductive Biomedicine & Gene Discovery



Education :

1982-1986: B.S. in Zoology, Seoul National University
1986-1988: M.S. in Zoology, Seoul National University
1991-1998: Ph.D. in Biomedical Science, Univ. of Connecticut

Experience :

2001~present : Assistant Professor, Associate Professor, Professor, School of Life Sciences, GIST
2000~2001 : Postdoctoral Fellow, NIEHS, NIH
1998-2000 : Postdoctoral Fellow, Univ. of California, Davis

Prof. Chunghee Cho

E-mail: choch@gist.ac.kr

Tel.: +82-62-715-2490

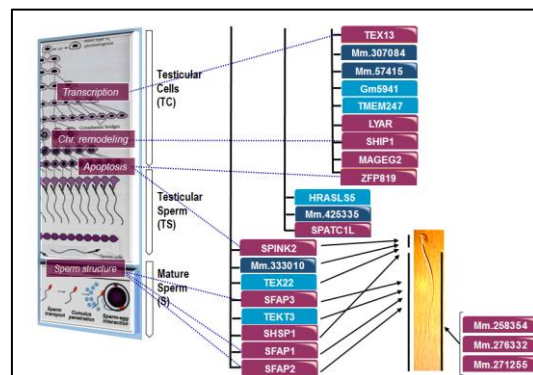
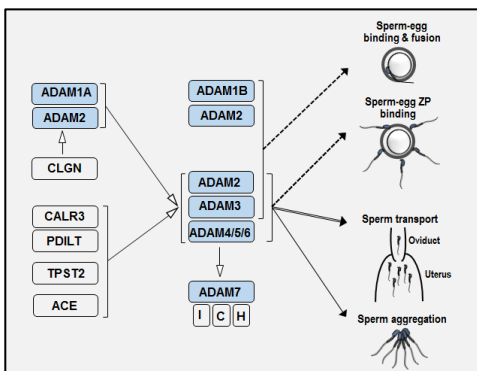
Web: <http://rbgdlifegist.com/>



Research Topics

My lab is interested in mammalian reproduction and development. In particular, our research is focused on systematic identification and functional characterization of tissue- or cell-type-specific genes with potential functions in these biological processes. We use various state-of-the-art experimental approaches such as transcriptome analysis, integrative expression analysis, in vitro protein analysis tools, in vitro cell culture and fertilization assay, and analysis of animal models such as transgenic mice, gene trap mice and gene knockout mice.

- Major Research Fields
 - Reproductive ADAM network in spermatogenesis and fertilization
 - Characterization of genes specifically expressed in male reproductive tissues such as testis and epididymis
 - Functional analysis of novel genes during preimplantation embryogenesis



■ Selected publications

- [Haploinsufficiency of protamine-1 or -2 causes infertility in mice \(2001\) Nature Genetics](#)
- [Impaired spermatogenesis and fertility in mice carrying a mutation in the Spink2 gene expressed predominantly in testes \(2011\) Journal of Biological Chemistry](#)
- [Testicular and epididymal ADAMs: expression and function during fertilization \(2012\) Nature Reviews Urology.](#)
- [Reduced fertility and altered epididymal and sperm integrity in mice lacking ADAM7 \(2015\) Biology of Reproduction.](#)
- [TEX13 is a novel male germ cell-specific nuclear protein potentially involved in transcriptional repression \(2016\) FEBS Letters](#)

PUBMED AUTHOR INFORMATION

<https://www.ncbi.nlm.nih.gov/pubmed/?term=chunghee+cho>