

# Signaling pathways and stem cells in uterus and fallopian tubes

## Stellingen

1. DKK1 and FOXO1 are two key molecules in progesterone inhibition of Wnt/ $\beta$ -catenin signaling in the endometrium. (this thesis)
2. Loss of APC function in development is insufficient to induce tumors in the myometrial layer of the adult mouse uterus. (this thesis)
3. The long-term label-retaining cells isolated from the mouse distal oviduct are able to form spheroids capable of self-renewal and differentiation. (this thesis)
4. The long-term label-retaining cells in the mouse distal oviduct do not express progesterone and estrogen receptors, which may reduce the regulatory effects of sex hormones. (this thesis)
5. Stem-cell populations are established in 'niches', which are specific tissue compartments that regulate how stem cells participate in tissue development, maintenance and repair. (David T. Scadden, *Nature* 2006 441: 1075-1079)
6. Any number divided by infinity will produce a zero value.
7. Playing with a better player is the best way to learn how to play badminton better.
8. An expert photographer has a beginner's mind. (Andre Gunther)
9. An active underwater volcano can support a unique biological community of organisms, thriving despite the eruptions. (Verena Tunnicliffe, *Science Daily*, 2009)
10. First learn, then enjoy.
11. 梦想让生活更美好。(Without hope, dreams and passion, life becomes boring.)

Yongyi Wang  
Rotterdam, 11 April 2012