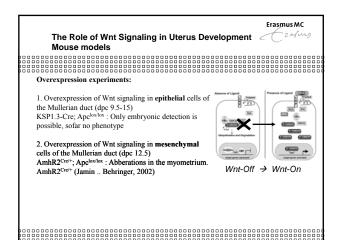
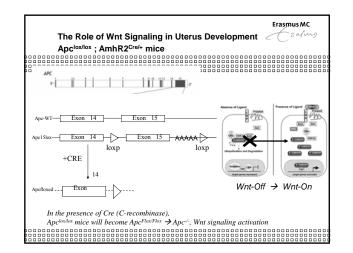


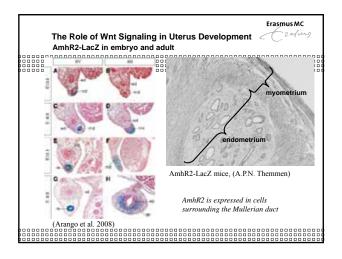


	Erasmus MC
The Role of Wnt Signaling in Uterus Devel and in Homeostasis and Malignancy of the	
Knock-out experiments showed:	
Wnt 4 is required for Mullerian duct initiation (Vainio et al.,	1999).
Wnt 7a for subsequent differentiation (Miller and Sassoon, 1	1998)
Wnt 5a for posterior outgrowth of female reproductive tract	(Mericskay et al., 2004)
Aim of current experiments ()	D:
Analyse the effect of activation of Wnt s	
epithelial and/or mesenchymal cells of the	

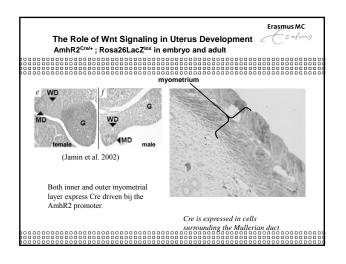




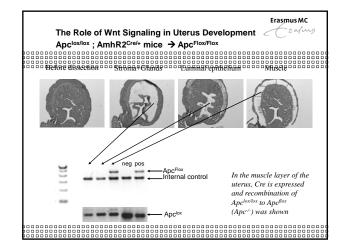




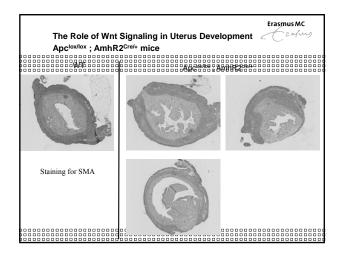














The Role of Wnt Signaling in Uterus Apclox/lox ; AmhR2 ^{Cre/+} mice			fung
Phenotype	Numbers	Age	
Apc Flox mothers died during delivery	2/4	123/127	
severe myometrial problems	2	178	
minor myometrial problems	3	55/132/216	
not analyzed yet	6		
control animals no problems	6/6	49-178	
		det pas	



The Role of Wnt Signaling in Uterus Development (I) Cortext Apclox/lox ; AmhR2 ^{Cre/+} mice In conclusion (I): Overexpression of Wnt signaling in mesenchymal cells of the Mullerian duct (dpc 12.5) results in malformations in the adult myometrium. Due to these malformations normal delivery is impaired (50%). These mice will be analyzed further		Erasmus MC	
In conclusion (1): Overexpression of Wnt signaling in mesenchymal cells of the Mullerian duct (dpc 12.5) results in malformations in the adult myometrium. Due to these malformations normal delivery is impaired (50%).	The Role of Wnt Signaling in Uterus Development (I)		
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malformations normal delivery is impaired (50%).			
• • • •		to these	
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