

Stellingen

1. The diagnostic use of high-resolution molecular cytogenetic techniques is justified in CDH patients with complex as well as isolated diaphragmatic defects. (this thesis)
2. Somatic copy number variations are not a common cause of twin discordancy in CDH and EA cohorts. (this thesis)
3. The level of mosaicism in affected tissues does not correlate with the phenotypic severity at the organ level. (this thesis)
4. Laterality genes are important for diaphragm development. (this thesis)
5. Coordinated expression of the putative CDH candidate genes *NR2F2*, *ZFPM2* and *GATA4* is independent of nuclear co-association. (this thesis)
6. With the “1000-dollar-genome” within reach, it should be considered as a replacement for the “hielprik”
7. Combining next-generation sequencing with pathway analysis will bring us to the next level in our search for causal mutations of rare diseases (Erlich, Y., et al. *Genome Res.* 2011 May; 21(5):658-64; Russell, M.K., et al. *Proc Natl Acad Sci U S A.* 2012 Feb 21;109(8):2978-83).
8. The inverted architecture of hetero- and eu-chromatin in murine retinal rod cells implies an important functional role for the organisation of DNA in the nucleus (Solovei, I., et al. *Cell* 137. 2009 April 17).
9. The use of induced Pluripotent Stem Cells (iPSC) as a study model resolves both tissue-specificity as well as timing-issues. (Shi, Y., *Sci Transl Med.* 2012 Feb 15 Epub ahead of print).
10. De Nu.nl kop: “Baby's met handen laten eten voorkomt overgewicht” is wederom een voorbeeld van hoe veel onderzoeksresultaten uit hun verband worden getrokken in een krantenartikel-kop (Townsend, E., *BMJ Open.* 2012;2:e000298).
11. Succes is de eigenschap om van de ene mislukking naar de andere te gaan zonder daarbij je enthousiasme te verliezen (Winston Churchill).