Propositions-Stellingen

Thesis title: **THE ROLE OF SOX2 IN LUNG AIRWAY EPITHELIAL DIFFERENTIATION**

1. Sox2 directly regulates Trp63 gene necessary for the differentiation of basal cells in the lung. (This thesis)

2. Ectopic Sox2 expression in the lung leads to induction of Gata6, implying a role in the differentiation of Bronchoalveolar stem cells (BASC). (This thesis)

3. The co-expression of SOX2 and TRP63 in human CCAM pathology makes the Sox2 mouse a suitable model to study the pathogenesis of CCAM. (This thesis)

4. Ectopic Sox2 expression regulates plasticity in terminally differentiated alveolar type II cells (This thesis)

5. Ectopic Sox2 expression in alveolar type II cells induces the expression of progenitor cell markers Sca1 and Ssea-1 indicating the onset of dedifferentiation (This thesis)

6. SOX2 and p63 colocalize at genetic loci in squamous cell carcinomas (Watanabe et al., 2014)

7. Proliferation of human ovarian adenocarcinoma cells is determined by PITX2 homeodomain proteins regulating the Wnt beta-catenin pathway (Basu et at 2013)

8. Africa still faces significant challenges at the top and at the bottom of scientific research. Therfore, the small group of dedicated African researchers needs to be enlarged,in combination with a solid research infrastructure (Philip G. Altbach: Sense publishers, Rotterdam, 2013)

9. Nothing in this life is to be feared, it is only to be understood. Now is the time to understand more, so that we may fear less. (Marie Curie)

10. There is hope in dreams, imagination and the courage of those who wish to make those dreams a reality (Jonas Salk)

11. Learn from yesterday, live for today, hope for tomorrow. The important thing is to not stop questioning. (Albert Einstein)

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