Stellingen behorend bij het proefschrift

IDENTIFYING SOX2 INTERACTION PARTNERS IN THE DEVELOPING LUNG

1. Sox2 directly regulates Trp63 and Gata6, thereby initiating the emergence of two lung progenitor cells: basal cells and bronchioalveolar stem cells.
   (This thesis)
2. Fully differentiated lung cells have plasticity to transdifferentiate if triggered.
   (This thesis)
3. Identification of Sox2 partners during lung development is essential to understand molecular pathways involved in lung development and lung disease.
   (This thesis)
4. The level of Sox2 expression influences the processing of Cux1 isoforms.
   (This thesis)
5. Sox2 interacts indirectly with Chd4 via other components of the NuRD complex.
   (This thesis)
6. Genetic screening will contribute to the development of personalized medicine.
   (Rabbani et al., Molecular BioSystems 2016; Lesko, Clinical Pharmacology & Therapeutics 2007)
7. Modeling the three-dimensional structure of protein complexes will promote more efficient drug design.
   (Schmidt et al., Drug Discovery Today 2015)
8. Human ignorance about use of antibiotics is one of the main causes of the antibiotic resistance problem.
9. You can't even begin to understand biology, you can't understand life, unless you understand what it's all there for, how it arose – and that means evolution.
   (Richard Dawkins)
10. To raise new questions, new possibilities, to regard old problems from a new angle, requires creative imagination and marks real advance in science.
    (Albert Einstein)
11. If you never try, you'll never know.

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