# Ex vivo fibrosis research: 5 mm closer to human studies

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PROPOSITIONS
following the thesis

# EX VIVO FIBROSIS RESEARCH
## 5 mm closer to human studies

1. Tissue slices change over time in culture; how well this process models human physiological and pathological changes is yet to be determined. *(this thesis)*

2. By performing deep sequencing of precision-cut tissue slices, we have set a baseline; the ways one can use the derived knowledge and transform the slice model are limitless. *(this thesis)*

3. If murine tissue slices accurately predict drug efficacy in mice, it is likely that human tissue slices can predict drug efficacy in man. *(this thesis)*

4. Finding the right combination of culture conditions for PCTS opens the perspective of creating an improved *in vitro* model – self-sustained, functional cultures of human PCTS. *(this thesis)*

5. Discussions about the utility of model organisms often pass at large that a model is simply that: a model.

6. Careful choice of the appropriate model as well as the use of complementary approaches become imperative for improving the predictive power of preclinical research and reducing animal use.

7. Pressure to publish novel findings precludes investment in confirmatory studies as well as publication of relevant negative observations.

8. One who works with intestinal slices goes through denial, anger, bargaining, depression and, if lucky, acceptance.

9. The easiest way to convert millimeter to meter is to remove "milli".

10. Only the one who does nothing, makes no mistakes (Russian proverb); не ошибается тот, кто ничего не делает (русская поговорка).

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