

- 1 The location and orientation of a focal adhesion correlates with the binding dynamics of its proteins.
(this thesis)
- 2 A substantial number of paxillin and vinculin proteins in a focal adhesion remains associated with that adhesion for its entire lifetime.
(this thesis)
- 3 Stably bound paxillin and vinculin proteins form discrete clusters within the focal adhesion complex.
(this thesis)
- 4 The three previously described layers of focal adhesions are shifted with respect to each other along their long axis and this shift correlates with membrane and cell movement.
(Kanchanawong, Nature 2010 and this thesis)
- 5 The two tips of a focal adhesion differ from each other in many aspects, including their protein dynamics, composition and density.
(this thesis)
- 6 The open source image analysis software ImageJ, which is freely available to and continually being expanded by the scientific community, contributes to the impact of microscopy on cell biology as much as the ongoing development of advanced microscopy methods.
- 7 Descriptive data often provide mechanistic insights.
- 8 Good teachers learn from every lesson they teach.
- 9 For the language development of children it is important that their parents communicate with them in a language which they speak fluently.
- 10 With increased study the complexity of a structure or concept often seems to increase.
- 11 “Natural does not equal safe. There’s a plant in my garden that if you simply sat under it for ten minutes, you’d be dead. The water lily”.
(Adam Kay)