STELLINGEN

- 1. Increased expression of the AdeABC efflux system is an important first step in the evolution of *Acinetobacter baumannii* to become multidrug resistant. (This thesis)
- 2. Both activation of intrinsic mechanisms and horizontal acquisition of resistance genes play a role in the evolution of antibiotic resistance of *A. baumannii*. (This thesis)
- 3. The occurrence of European clones I and II of *A. baumannii* in Europe at least since the late 1970s emphasizes the stability of these clonal complexes. (This thesis)
- 4. Many studies describing new resistance mechanisms in *A. baumannii* used unreliable methods for species identification. Consequently, such mechanisms may be incorrectly associated with this species. (This thesis)
- Resistance islands integrate acquired resistance genes and, therefore, are responsible for a striking variation in resistance genotypes in both clonally and epidemiologically closely related isolates. (This thesis; Adams et al., *J Bacteriol* 2008, 190: 8053-8064)
- 6. The finding that multidrug resistance is linked to a limited range of genetically related *A. baumannii* strains is significant in the light of the progressive increase in resistance in *Acinetobacter* strains during the last decades. (Nemec et al., *J Med Microbiol* 1999, 48: 287-296)
- 7. We are closer to the much-threatened 'end of antibiotics' for *A. baumannii* more than for any other common pathogen. (Livermore & Woodford, *Trends Microbiol* 2006, 14: 413-420)
- 8. ISAba1 is believed to serve as a 'moving switch' to turn on those genes in A. *baumannii* with which it is juxtaposed. (Livermore & Woodford, *Trends Microbiol* 2006, 14: 413-420)
- 9. The acceptance of a method-free species concept would free microbiologists to choose from a range of techniques those that are most suitable for the target organism, as the concept specifies neither a specific methodology nor a specific cutoff, but rather invokes a general evolutionary criterion for speciation. (Achtman & Wagner, *Nat Rev Microbiol* 2008, 6: 431-440)
- 10. Two descriptions are better than one. (Gregory Bateson, Mind and Nature: A Necessary Unity)
- 11. Thought is creating divisions out of itself and then saying that they are there naturally. (David Bohm, Thought as a System)
- 12. Science cannot solve the ultimate mystery of nature. And that is because, in the last analysis, we ourselves are a part of the mystery that we are trying to solve. (Max Planck)