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## Cellular homeostasis of Escherichia coli probed by super-resolution microscopy

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## PROPOSITIONS

belonging to the PhD thesis

### **Cellular homeostasis of *Escherichia coli* probed by super-resolution microscopy**

by

Jonas van den Berg

1. Each cell contains large numbers of proteins, nucleic acids and metabolites; in other words: it is crowded in there.
2. The bacterial cell is not just a bag of enzymes but appears to be remarkably organized.
3. The size of the periplasmic space in Gram-negative bacteria is dependent on growth conditions.
4. Every observation changes the thing being observed.
5. The fourth year of a PhD is the most profitable one.
6. “Remember that all models are wrong; the practical question is how wrong do they have to be to not be useful.” George E. P. Box
7. “Nothing in life is to be feared, it is only to be understood.” Marie S. Curie