

University of Groningen

Triggering pneumococcal competence

Slager, Jelle

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version
Publisher's PDF, also known as Version of record

Publication date:
2019

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Slager, J. (2019). *Triggering pneumococcal competence: Memoirs of an escape artist*. [Thesis fully internal (DIV), University of Groningen]. Rijksuniversiteit Groningen.

Copyright

Other than for strictly personal use, it is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), unless the work is under an open content license (like Creative Commons).

The publication may also be distributed here under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license. More information can be found on the University of Groningen website: <https://www.rug.nl/library/open-access/self-archiving-pure/taverne-amendment>.

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

Stellingen behorende bij het proefschrift

Triggering pneumococcal competence

Memoirs of an escape artist

Door Jelle Slager

1. Automated genome annotations should be treated with a healthy dose of skepticism. (**Chapter 2, this thesis**)
2. Bacterial genomes are not nearly as efficiently packed as commonly assumed. (**Chapter 2, this thesis**)
3. Correlating gene expression patterns constitutes a powerful hypothesis-generating technique. (**Chapter 3, this thesis**)
4. Gene enrichment analysis in bacteria is substantially confounded by the presence of polycistronic operons. (**Chapter 4, this thesis**)
5. Clinical relevance of antibiotic-induced competence does not imply evolutionary relevance of competence activation during stress. (**Chapters 4, 5 and 6, this thesis**)
6. Replication-associated copy number fluctuations provide bacteria with a versatile tool for gene expression regulation. (**Chapter 5, this thesis**)
7. Quorum sensing is a detection system that can be shaped through evolution to probe DNA replication state, local cell density, or countless other parameters. (**Chapters 5 and 6, this thesis**)
8. Training in programming and statistics in life science education is highly inadequate, leading to time loss or, worse, bad science. (*Not this thesis*)
9. Due diligence is crucial for the progress of science, but potentially detrimental to the career of individual scientists.
10. Prejudice is a human strength, using it to form opinions a weakness.
11. One who is satisfied by John Stuart Mill's claim (in *Utilitarianism*) that "it is better to be Socrates dissatisfied than a fool satisfied" is a fool.
12. Same sex marriage is not a gay privilege, it's equal rights. Privilege would be something like gay people not paying taxes. Like churches don't. (*Ricky Gervais*)