

## University of Groningen

### Resistance is Futile

Sibum, Imco

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## Propositions

1. Devices and formulations for pulmonary drug administration should be developed in unison to obtain the safest and most efficient products (this manuscript).
2. The pulmonary tract has potential for the delivery of high dose drugs but is underutilized for this purpose due to a lack of understanding of this type of delivery. However, the knowledge to use this potential is close-at-hand (this manuscript).
3. Extensive physicochemical characterization of the starting material of a drug will help in following formulation steps. However, surprising behavior may still be encountered (this manuscript).
4. Applying a leucine coating during spray drying can not only enhance dispersion and provide moisture protection, but can also prevent particle fusion due to crystallization (this manuscript).
5. Acting on a hypothesis may lead to improvements, but the improvements may not be the result of what was hypothesized (this manuscript).
6. Any system designed around the average person is doomed to fail. - Todd Rose
7. Finishing a PhD is like finishing a group project where your partner made a ton of mistakes at the beginning of the assignment. Except your partner is just you four years ago - John M. Mola
8. The scientific publishing model is old fashioned. New ways to 'get the science out there' may improve the quality of the science and the speed of progress.
9. Working to obtain a PhD does not mean you have to be a philosopher.