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Stellingen

behorende bij het proefschrift

Chemistry-based enzyme detection and inhibition in epigenetics

door Maria-Eleni Ourailidou

1. Exploring the growing landscape of epigenetics has paved the way for better understanding of the mechanisms that drive inflammation and cancer.
2. Chemical biology is a powerful toolkit for studying enzyme activity *in vitro* and unraveling the role of enzymes involved in epigenetic processes.
3. The oxidative Heck reaction is a worthy opponent of the popular 'click' reaction in protein labeling.
4. Metabolic labeling of cellular substrates is useful in the identification but not in the quantification of endogenous protein modifications.
5. Enzyme kinetics is two-faced: able to cause both depression and ultimate satisfaction.
6. A scientist working on novel histone deacetylases inhibitors has to live with the fear of getting painfully scooped.
7. If you want to keep your enzyme happy, you must treat it like a woman: be gentle, caring, loving and respectful.
8. There is no such thing as chemists being superior to biologists and *vice versa*. The magic happens exactly in the middle.
9. Negative results can truly test your patience but in research, just like sports, failures are steps on the ladder of success.
10. The word 'publication' should not haunt a PhD candidate. The desire for knowledge and the thirst for answers should be the true and only motifs.
11. 'The most incomprehensible thing about the world is that it is comprehensible'. (*Albert Einstein*)
12. 'It is the mark of an educated mind to be able to entertain a thought without accepting it'. (*Aristotle*)
13. 'The important thing is to never stop questioning'. (*Albert Einstein*)