

University of Groningen

Deacetylase inhibitors & Histone inheritance

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DOI:
[10.33612/diss.167867692](https://doi.org/10.33612/diss.167867692)

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

Publication date:
2021

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

Citation for published version (APA):
Zwinderman, M. R. H. (2021). *Deacetylase inhibitors & Histone inheritance*. University of Groningen.
<https://doi.org/10.33612/diss.167867692>

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Propositions

Accompanying the PhD thesis

Deacetylase inhibitors & Histone inheritance

By

Martijn R. H. Zwinderman

1. Naming enzymes based on target and function is annoying when enzymes of the same family turn out to have different targets and functions (Chapter 1).
2. Reduced expression of histone deacetylase 2 in patients with chronic obstructive pulmonary disease may be the result of corticosteroid treatment (Chapter 2).
3. Alternative transformations towards heterocycles offer creative opportunities for a medicinal chemist (Chapter 4).
4. Playing with equivalents: two cross-reacting chemical reporters can be used in the same living cell to fish out one biomolecule over the other (Chapter 6).
5. The prefixes leading and lagging for each of the polymerases are confusing when the 'leading' strand polymerase lags behind the 'lagging' strand polymerase during replication stress (Chapter 6).
6. The future of medicinal chemistry will focus on multi-target directed ligands and proteolysis targeting chimeras (Chapter 7).
7. Academic literature on medicinal chemistry should cite more relevant patent literature.
8. With the advent of electronic lab notebooks all paper lab notebooks should be banned.
9. A scientist is at the mercy of two unknown groups of people, those that decide whether you get funding and those that decide whether your article will get published.