

## Recent Developments in Strategies and Tactics Towards Complex Molecules

Erick Carreira

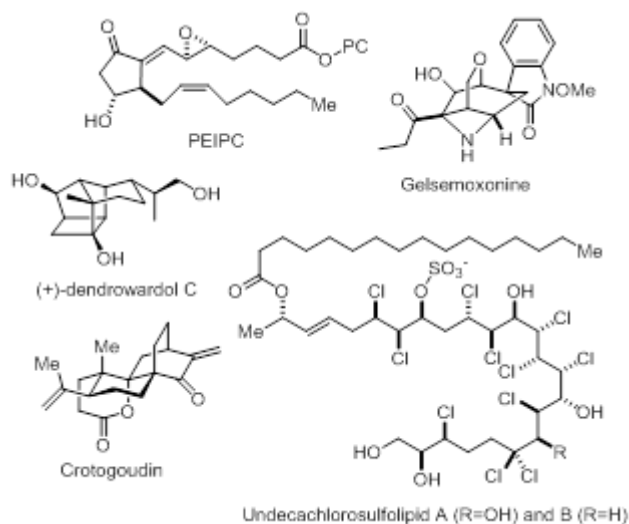
1) Department of Chemistry and Applied Biosciences Laboratory of Organic Chemistry  
 ETH Zürich, Vladimir-Prelog-Weg 1-5/10, 8093 Zürich, Switzerland  
 \*e-mail: erickm.carreira@org.chem.ethz.ch

Keywords: complex molecules

### ABSTRACT

Stereochemically and structurally complex natural products represent an ideal forum for research at the interface of chemistry, biology and medicine. As targets for total synthesis the molecules of nature provide inspiration for the discovery and development of both novel tactics and innovative strategies. The presentation will focus on recent development dealing with synthesis, biology, and methods development.

### GRAPHICAL ABSTRACT



### ACKNOWLEDGEMENTS

### REFERENCES

1. H. Wolleb, E. M. Carreira *Angew. Chem. Int. Ed.* **2017**, *56*, 10890.
2. C. Ebner and E. M. Carreira *Angew. Chem. Int. Ed.* **2015**, *54* 11227.
3. S. Diethelm, E.M. Carreira *J. Am. Chem. Soc.* **2013**, *135*, 8500.
4. S. Breitler, E. M. Carreira *Angew. Chem. Int. Ed.* **2013**, *52*, 11168.
5. C. Nilewski, R. W. Geisser, and E. M. Carreira *Nature* **2009**, *457*, 573.
6. C. Nilewski, N. R. Deprez, T. Fessard, D. Li, R. W. Geisser and E. M. Carreira. *Angew. Chem. Int. Ed.* **2011**, *50*, 7940.