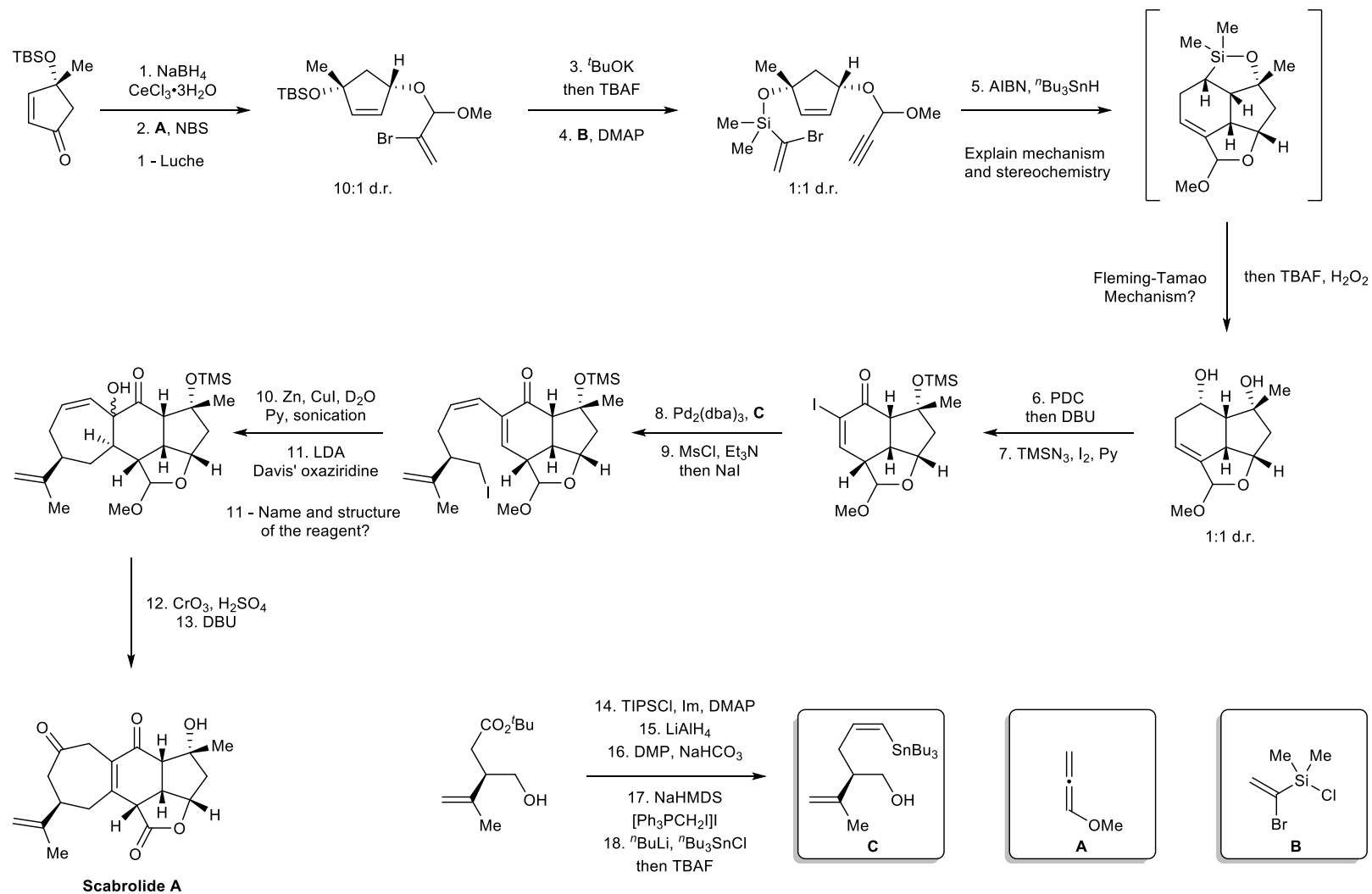
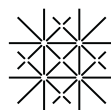


E241: Total synthesis of Scabrolide A and Havellockate

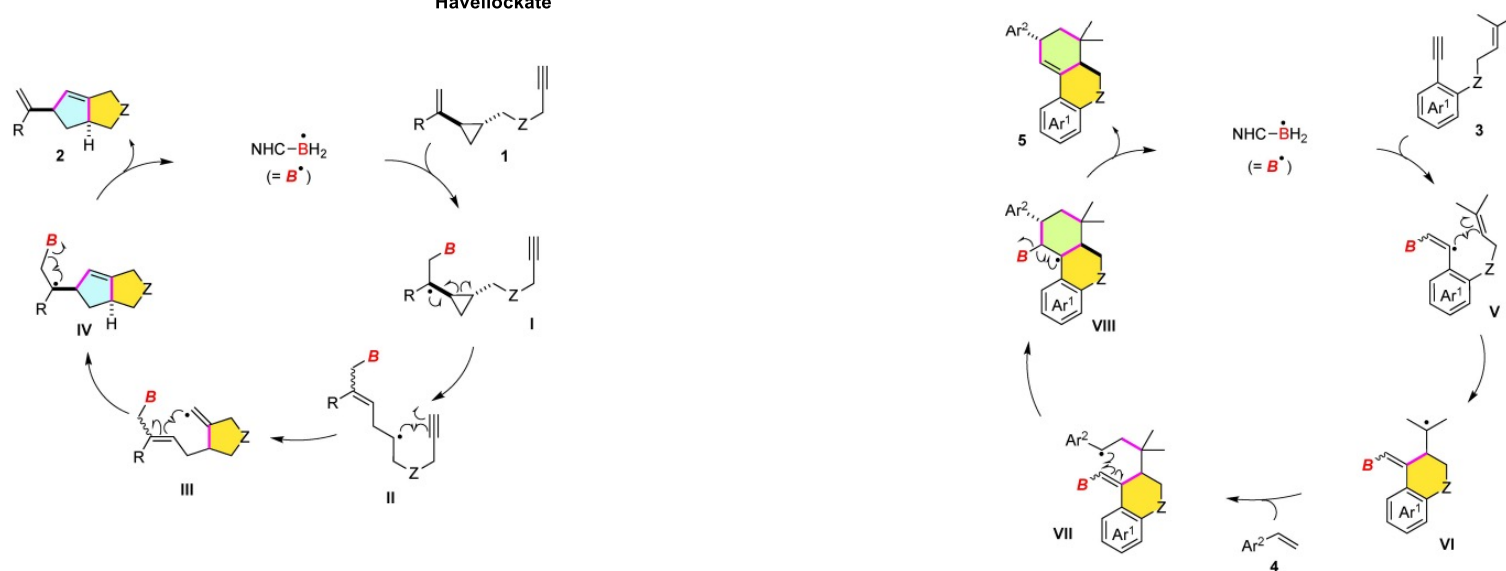
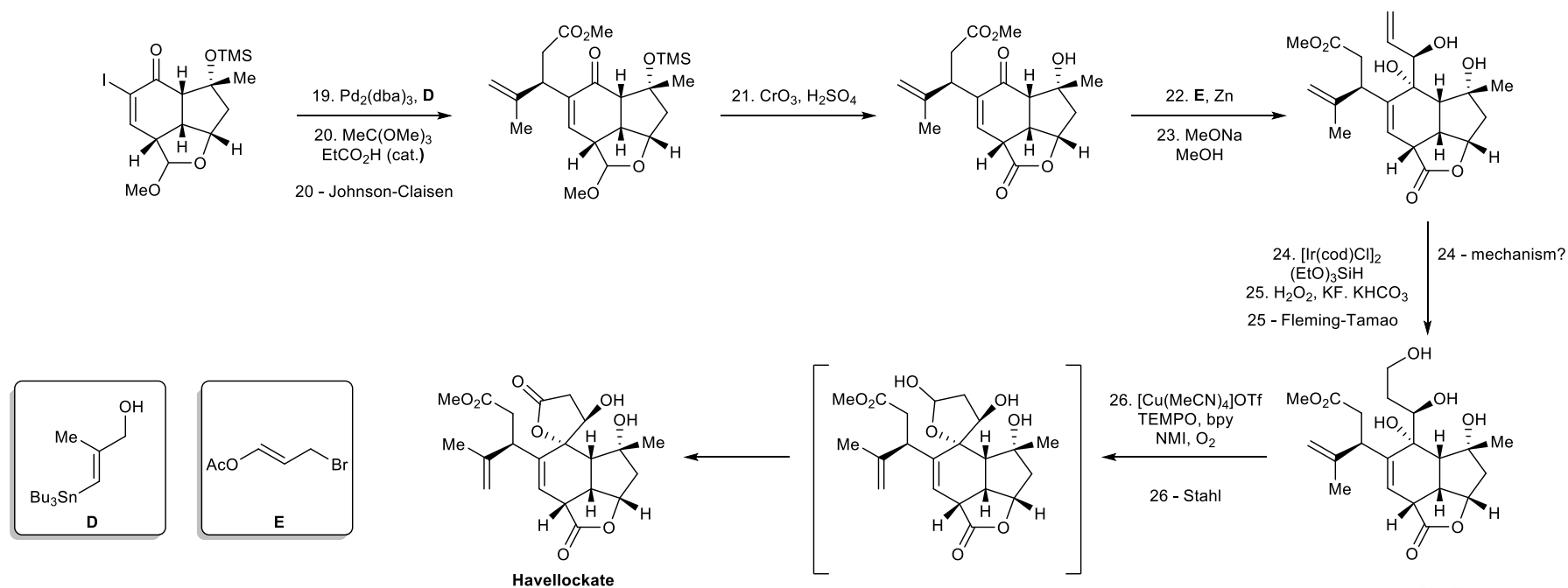


(1) Peng, C.; Guo, Q.; Xu, G.-X.; Huo, L.; Wu, W.; Chen, T.-Y.; Hong, X.; Hu, P. *J. Am. Chem. Soc.* **2024**, ASAP.

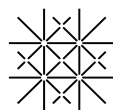


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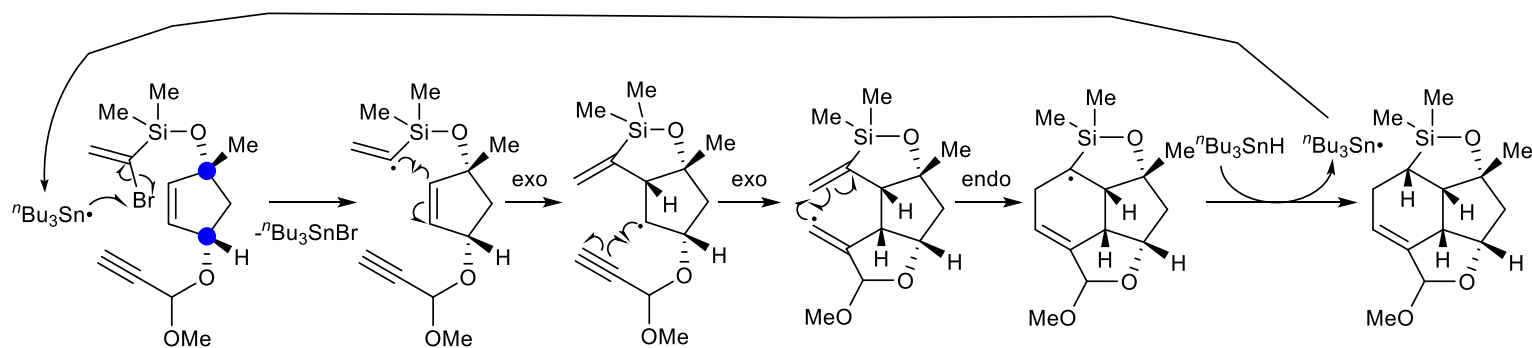
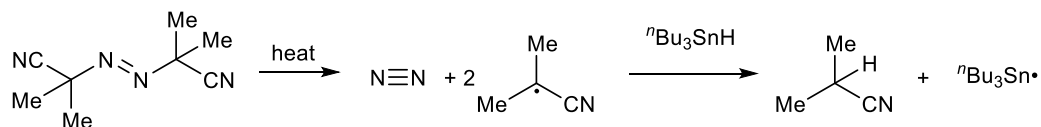
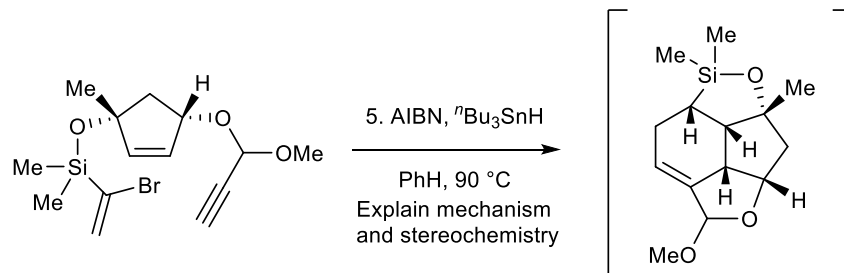
Sparr Group Seminar
29.05.2024
Anton Budeev



- (1) Peng, C.; Guo, Q.; Xu, G.-X.; Huo, L.; Wu, W.; Chen, T.-Y.; Hong, X.; Hu, P. *J. Am. Chem. Soc.* **2024**, ASAP;
- (2) Hafeman, N. J.; Chan, M.; Fulton, T. J.; Alexy, E. J.; Loskot, S. A.; Virgil, S. C.; Stoltz, B. M. *J. Am. Chem. Soc.* **2022**, *144* (44), 20232-20236;
- (3) Wang, J.; Lin Phang, Y.; Yu, Y.-J.; Liu, N.-N.; Xie, Q.; Zhang, F.-L.; Jin, J.-K.; Wang, Y.-F. *Angew. Chem. Int. Ed.* **2024**, ASAP.

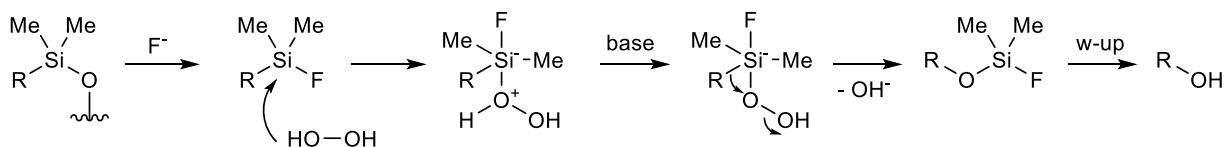


Step 5. Radical cyclization:

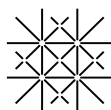


stereochemistry is governed by **stereocenters** on the cyclopentene

Step 5. Fleming-Tamao:

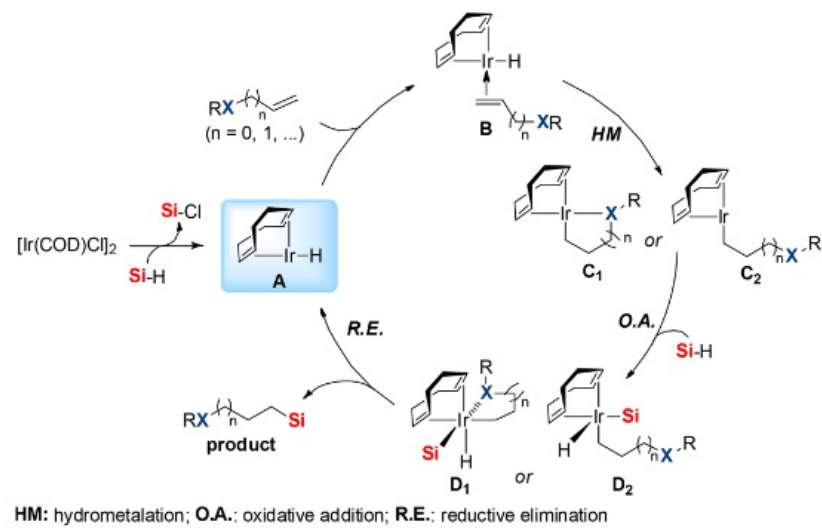


(1) Peng, C.; Guo, Q.; Xu, G.-X.; Huo, L.; Wu, W.; Chen, T.-Y.; Hong, X.; Hu, P. *J. Am. Chem. Soc.* **2024**, ASAP.



Step 24:

Scheme 3. Proposed Mechanism



(1) Xie, X.; Zhang, X.; Yang, H.; Ji, X.; Li, J.; Ding, S. *J. Org. Chem.* **2019**, *84* (2), 1085-1093.