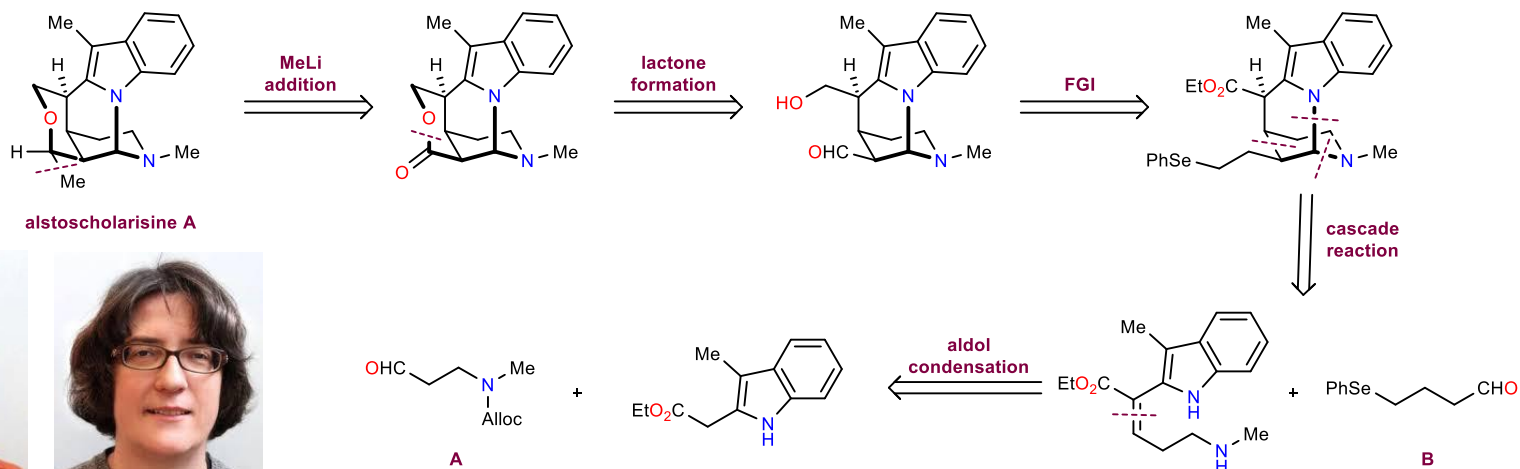


Bihelovic, F. Ferjancic, Z. *Angew. Chem. Int. Ed.* **2016**, 55, 2569  
<https://doi.org/10.1002/anie.201510777>

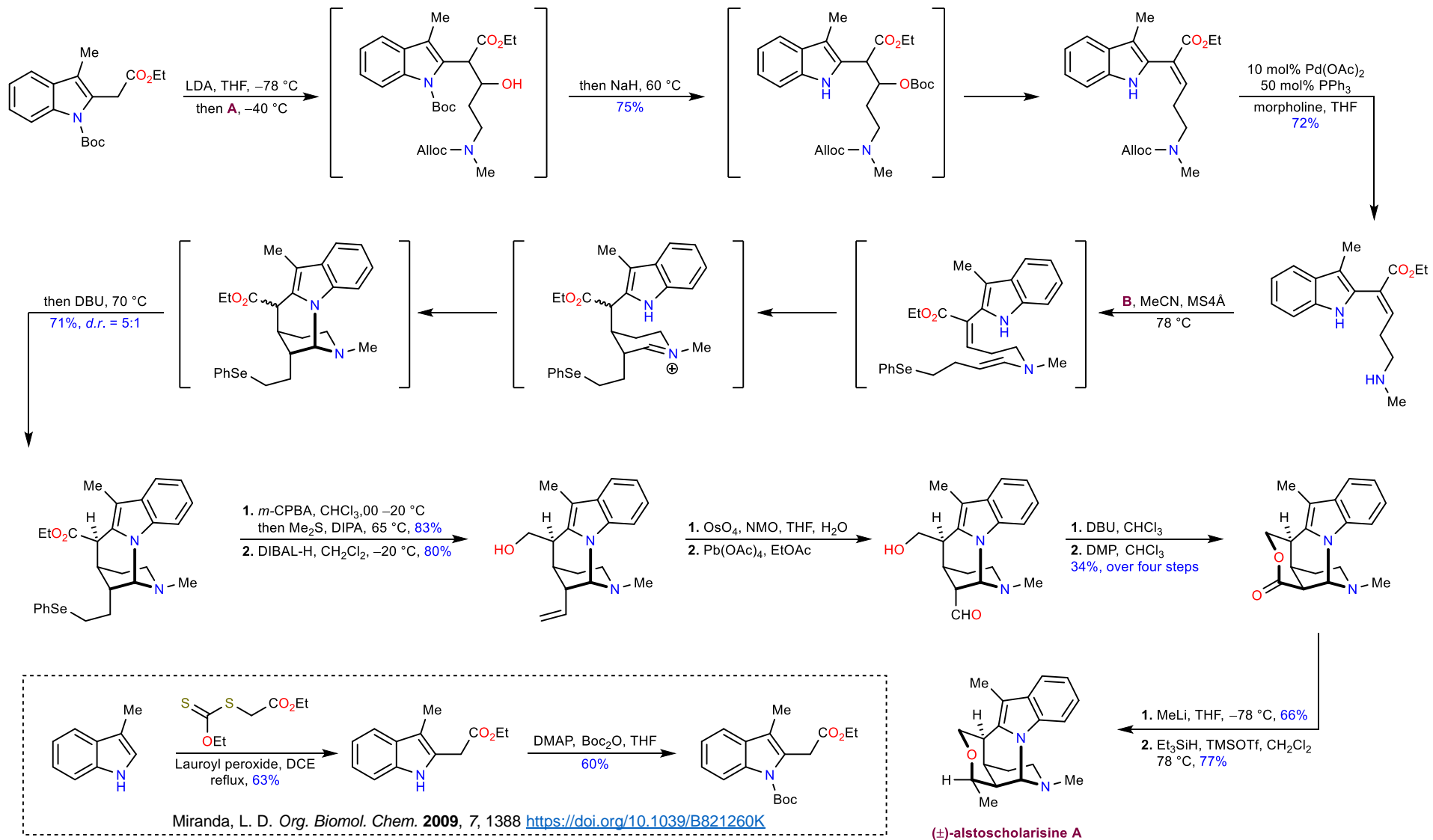
Yang, Y.-R. *J. Am. Chem. Soc.* **2016**, 138, 2560  
<https://doi.org/10.1021/jacs.6b00625>

- Alstoscholarisines were isolated in 2014 from the leaves of *Alstonia scholaris* (devil's tree) native to tropical Asia.
- Alstoscholarisine A promotes proliferation and differentiation of adult neutral stem cells (NSC) and enhances NSC sphere formation (0.1 μg/mL).
- These natural products contain a unique 6/5/6/6/6-ring system.
- Six total syntheses have been reported so far.

## Retrosynthetic Analysis:



## Forward Synthesis:



## Enantioselective synthesis (Yang):

