

Profile Spotlight

Ryan A. Shenvi



**Blakemore Research Group
Presented by Subhash D. Tanpure
01/12/20**

Education

- **Professor, The Scripps Research Institute, 2019-present**
- **Associate Professor, The Scripps Research Institute, 2014-2019**
- **Assistant Professor, The Scripps Research Institute, 2010-2014**
- **NIH Postdoctoral Fellow, Harvard University (E.J. Corey), 2008-2010**
- **Ph.D., The Scripps Research Institute (P.S. Baran), 2003-2008**
- **B.S., Pennsylvania State University (R.L. Funk), 1999-2003**

Awards and Honors

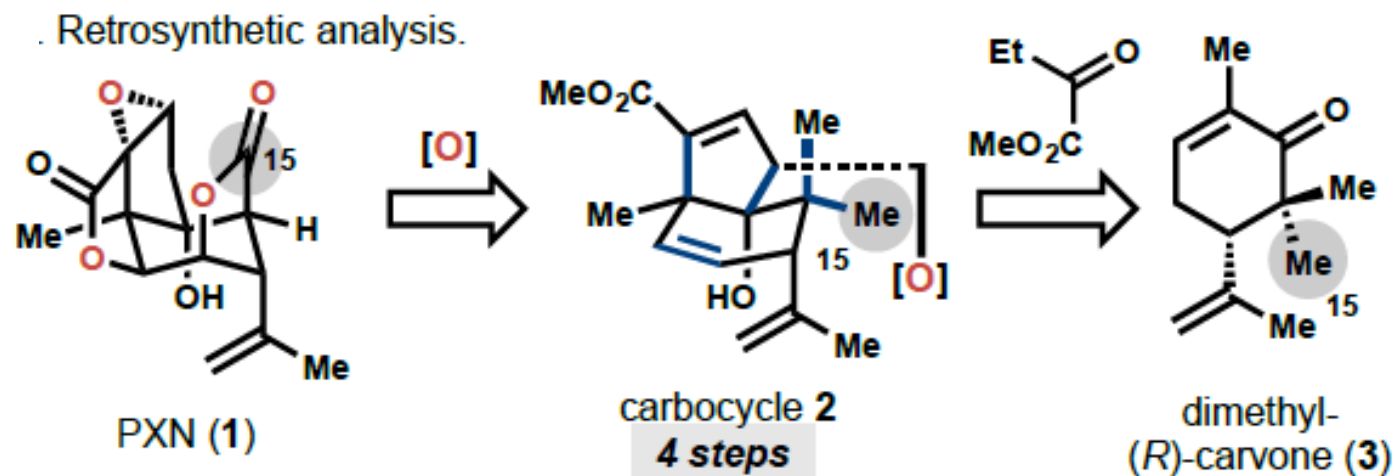
- E. J. Corey Award (ACS) (2021)
- Blavatnik Award Finalist, Chemistry (2020)
- Tetrahedron Young Investigator Award (2019)
- Society of Synthetic Organic Chemistry (Japan) Lectureship Award (2017)
- NPR Emerging Investigator (2016)
- Eli Lilly Grantee Award (2015)
- Novartis Early Career Award (2014)
- BMS Unrestricted Grant in Synthetic Organic Chemistry Award (2014)
- NSF Career Award (2014)
- Alfred P. Sloan Research Fellow (2014)
- Baxter Foundation Young Investigator Award (2013)
- Amgen Young Investigator Award (2013)
- Boehringer Ingelheim New Investigator Award (2012)
- Eli Lilly New Faculty Award (2011)
- NIH Ruth L. Kirschstein Fellow, Harvard University (2008-2010)
- Roche Excellence in Chemistry Award (2007)
- Lesly Starr Shelton Award for Excellence in Graduate Studies (2007)
- NDSEG Predoctoral Fellow, TSRI (2005-2008)

Research Area

Total Synthesis of Natural Product

Total Synthesis of (–)-Picrotoxinin

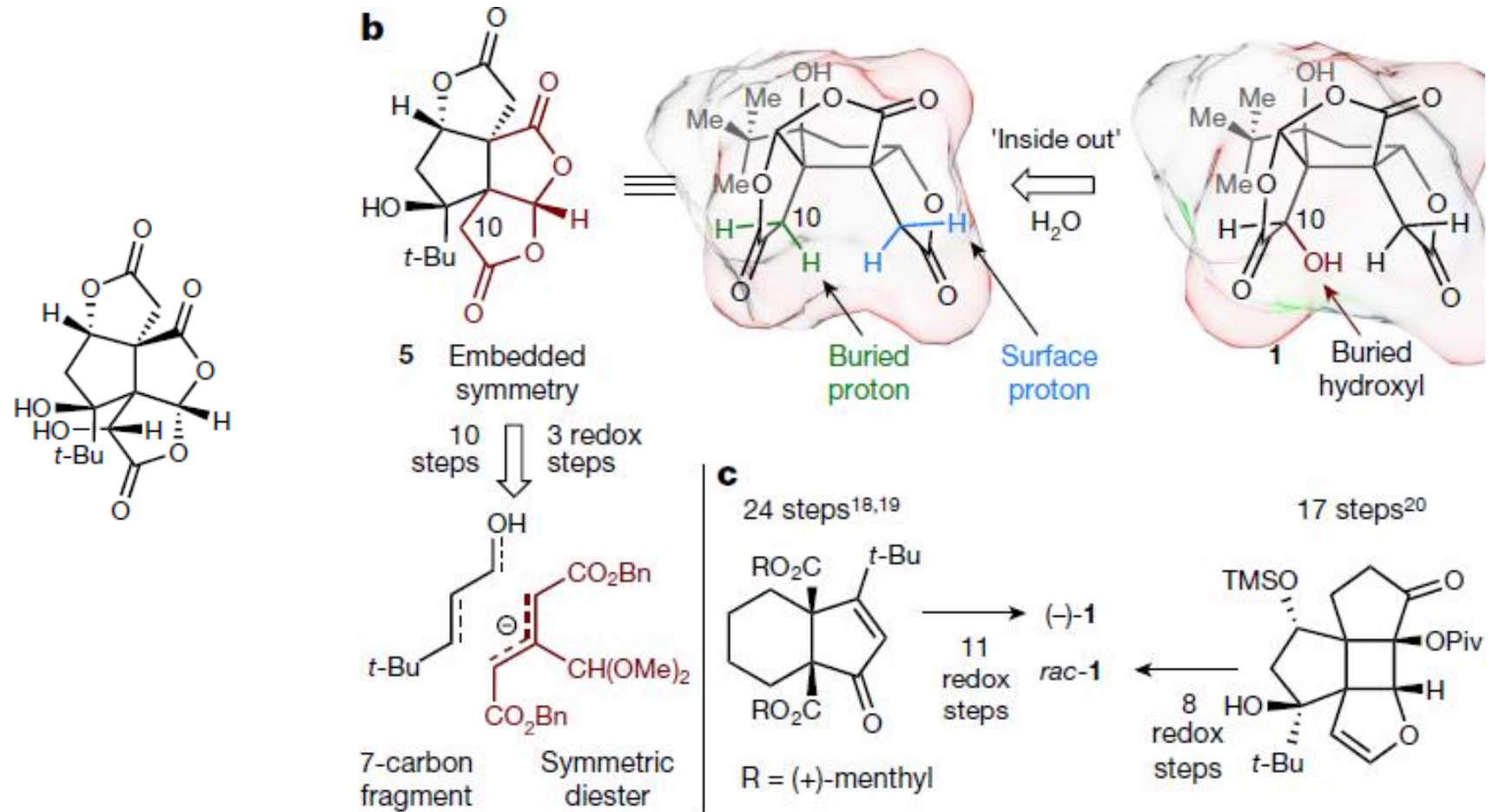
- Neurotoxic Sesquiterpenoid
- A series of strong C–C and C–H bond oxidations convert the C5 *gem*-dimethyl group to the C15 lactone of PXN



J. Am. Chem. Soc. **2020**, 142, 26, 11376–11381

Research Area

Concise asymmetric synthesis of (-)-bilobalide (insecticidal, Helminthical, neurotoxic)

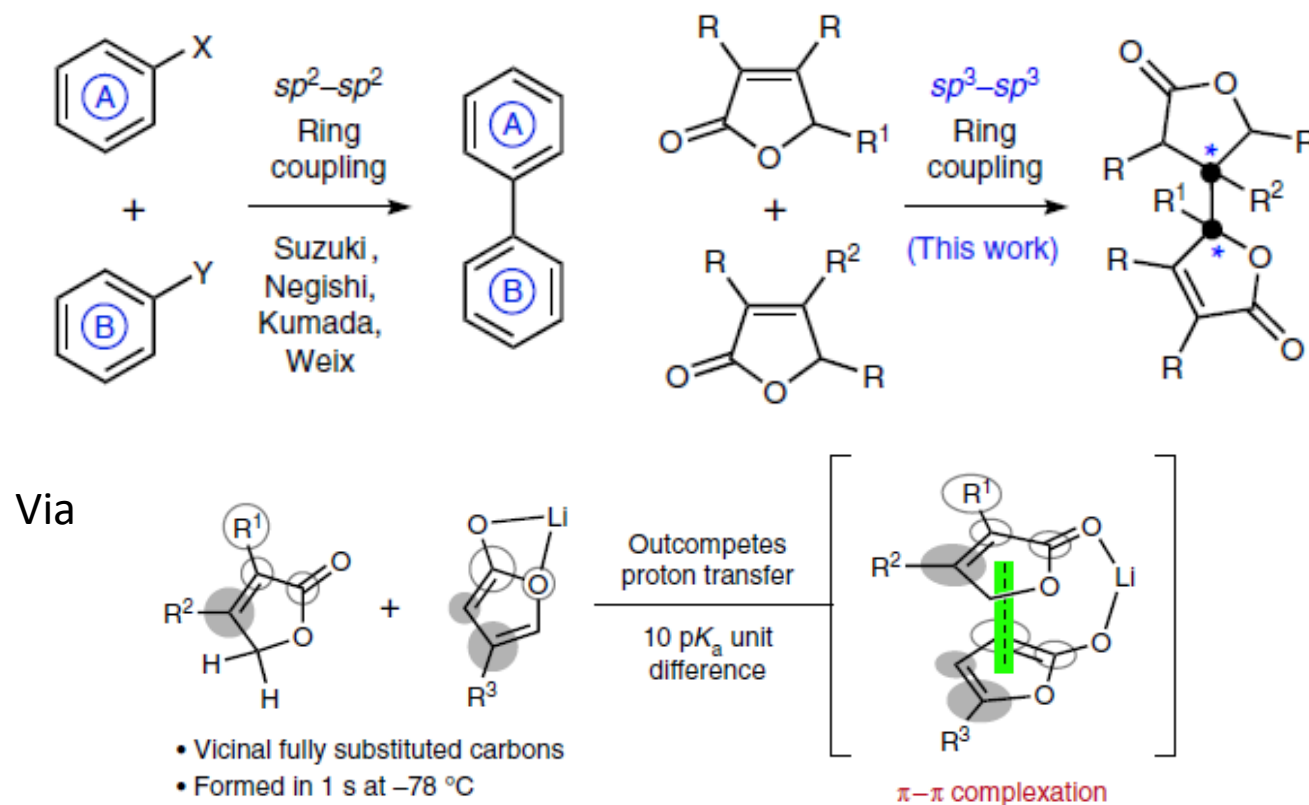


Nature **2019**, 575, 643–646

Research Area

Synthetic Methodologies

Electronic complementarity permits hindered butenolide heterodimerization

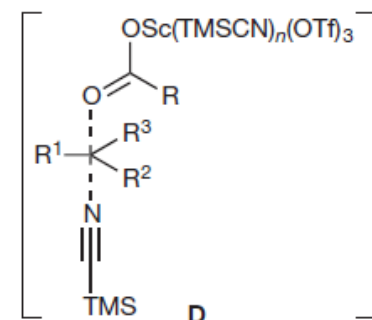
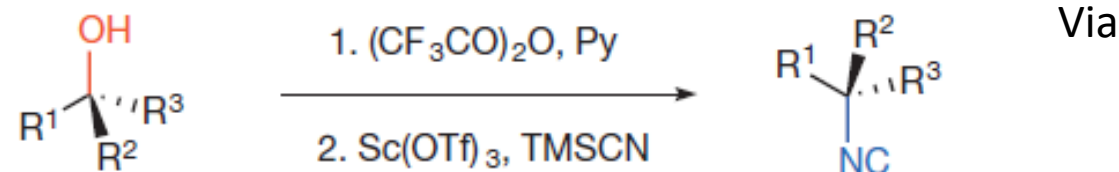


Nature Chem. **2020**, 12, 310-317

Research Area

Synthetic Methodologies

Stereoinversion of tertiary alcohols to tertiary-alkyl isonitriles and amines



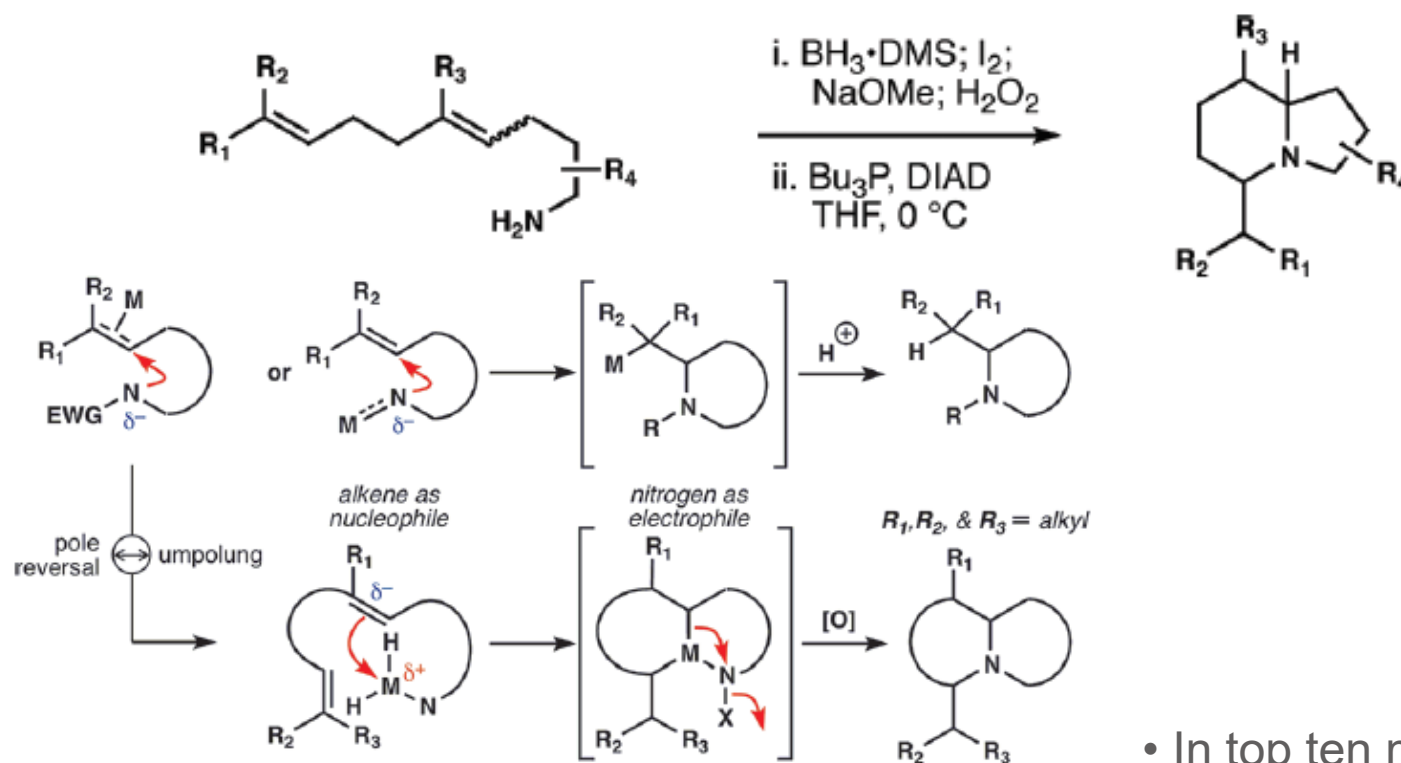
- Featured by TCI Chemicals
- Highlighted by Bethany Halford in C&EN 2013, 91, 8.
- Highlighted by Stephen Davey in Nature Chemistry 2013, 5, 808.
- Highlighted by A. Räder and K. Tiefenbacher: Angew. Chem. Int. Ed. 2013, 52, 2.
- Selected for highlight in C&EN: “2013’s Notable Advances” 2013, 91, 15.

Nature. 2013, 501, 195-199.

Research Area

Synthetic Methodologies

A Stereoselective Hydroamination Transform To Access Polysubstituted Indolizidines



J. Am. Chem. Soc. **2012**, 134, 2012-2015. .

- In top ten most accessed articles of *J. Am. Chem. Soc.* for January 2012.
- Highlighted in *Nature Chemistry*, May 2012.