The Maruoka group has achieved the first highly stereo-selective C–C bond formation using a thiyl radical catalyst. This proof of principle is expected to spur further research towards the application of catalysts similar to B and the development of novel thiyl radical catalysts with innovative chiral backbones. Further research is also expected to address the currently poor diastereosecontrol between a possible stereocenter at C1 and the anti-configured stereodiad at C3 and C4.