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## **EDUCATION**

<b>Ph.D., Organic Chemistry</b> , Harvard University	1998–2004
Thesis: <i>Enantioselective metal-catalyzed thioester aldol and Mannich reactions</i> Advisor: Professor Matthew D. Shair	
<b>B.S., Chemistry</b> , University of Belgrade	1993–1998
Advisor: Professor Radomir N. Saicic	

## **RESEARCH EXPERIENCE**

<b>Assistant Professor</b>	2008–present
Department of Chemistry, University of Washington <i>Developing new transformations for organic synthesis</i>	
<b>Postdoctoral Research Fellow</b>	2006–2008
Department of Chemistry & Chemical Biology, Harvard University <i>Enantioselective synthesis of platensimycin core</i> Advisor: Professor E.J. Corey	
<b>Postdoctoral Research Fellow</b>	2004–2006
Department of Chemistry, University of California at Berkeley <i>Substitution reactions of monomeric zirconium imido and zirconium oxo complexes</i> Advisor: Robert G. Bergman	
<b>Graduate Research Assistant</b>	1998–2004
Department of Chemistry & Chemical Biology, Harvard University <i>Enantioselective metal-catalyzed thioester aldol and Mannich reactions</i> Advisor: Prof. Matthew D. Shair	
<b>Undergraduate Research Assistant</b>	Summer 1997
Department of Chemistry, Texas A&M University <i>Selective functionalization of saturated hydrocarbons</i> Advisor: Professor Derek H. R. Barton	

## HONORS AND AWARDS

- 2013–2018 National Science Foundation CAREER Award  
2002–2003 Eli Lilly Predoctoral Fellowship  
2002 Certificate of Distinction in Teaching, Harvard University  
1999–2000 Eli Lilly Predoctoral Fellowship  
1998 Vojislav Stojanovic Award for Outstanding Academic Achievement, University of Belgrade, Serbia  
1995–1998 Fellowship for Talented Students in Sciences and Arts, Ministry of Science, Serbia

## PUBLICATIONS

25. Uehling, M. R.; Rucker, R. P.; Lalic, G. “Catalytic Anti-Markovnikov Hydrobromination of Alkynes.” *J. Am. Chem. Soc.* **2014**, *136*, 8799–8803.
24. Dang, H.; Mailig, M.; Lalic, G. “Mild Copper-Catalyzed Fluorination of Alkyl Triflates with Potassium Fluoride.” *Angew. Chem. Int. Ed.* **2014**, *53*, 6473–6476.
23. Cox, N.; Dang, H.; Whittaker, A. M.; Lalic, G. “NHC-copper hydrides as chemoselective reducing agents: catalytic reduction of alkynes, alkyl triflates, and alkyl halides” *Tetrahedron* **2014**, *27*–*28*, 4219–4231.
22. Dang, H.; Cox, N.; Lalic, G. “Copper-Catalyzed Reduction of Alkyl Triflates and Iodides: An Efficient Method for the Deoxygenation of Primary and Secondary Alcohols.” *Angew. Chem. Int. Ed.* **2014**, *53*, 752.
21. Cox, N.; Uehling, M. R.; Haelsig, K. T.; Lalic, G. “Catalytic Asymmetric Synthesis of Cyclic Ethers Containing an  $\alpha$ -Tetrasubstituted Stereocenter.” *Angew. Chem. Int. Ed.* **2013**, *52*, 4878–4882. (Highlighted in SYNFACTS)
20. Whittaker, A. M.; Lalic, G. “Monophasic Catalytic System for the Selective Semireduction of Alkynes.” *Org. Lett.* **2013**, *15*, 1112–1116. (Highlighted in SYNFACTS, Invited to submit a procedure for Organic Syntheses)
19. Rucker, R. P.; Lalic, G. “Copper-Catalyzed Electrophilic Amination of Organoboron Compounds.” *Synlett* **2013**, *24*, 269–274. (Invited SYNFACTS article).
18. Rucker, R. P.; Whittaker, A. M.; Dang, H.; Lalic, G. “Synthesis of Tertiary Alkyl Amines from Terminal Alkenes: Copper-Catalyzed Amination of Alkyl Boranes.” *J. Am. Chem. Soc.* **2012**, *134*, 6571–6574. (Highlighted in SYNFACTS)
17. Rucker, R. P.; Whittaker, A. M.; Dang, H.; Lalic, G. “Synthesis of Hindered Anilines: Copper-Catalyzed Electrophilic Amination of Aryl Boronic Esters.” *Angew. Chem. Int. Ed.* **2012**, *51*, 3953–3956. (Highlighted in SYNFACTS)
16. Uehling, M. R.; Marionni, S. T.; and Lalic, G. “Asymmetric Synthesis of Trisubstituted Allenes: Copper-Catalyzed Alkylation and Arylation of Propargylic Phosphates.” *Org. Lett.* **2012**, *14*, 362–365.

15. Whittaker, A. M.; Rucker, R. P.; Lalic, G. “Catalytic S<sub>N</sub>2'-Selective Substitution of Allylic Chlorides with Arylboronic Esters.” *Org. Lett.* **2010**, *12*, 3216–3218. (Highlighted in SYNFACTS)

*Prior to the University of Washington*

14. Lalic, G.; Corey, E. J. “Enantioselective Rhodium(I)-Triethylamine Catalyzed Addition of Potassium Isopropenyltrifluoroborate to Enones.” *Tetrahedron Lett.* **2008**, *49*, 4894–4896.
13. Lalic, G.; Krinsky, J. L.; Bergman, R. G. “The Scope and the Mechanism of S<sub>N</sub>2' Substitution Reactions of a Monomeric Imidozirconium Complex With Allylic Electrophiles.” *J. Am. Chem. Soc.* **2008**, *130*, 4459–4465.
12. Lalic, G.; Corey, E. J. “An Effective Enantioselective Route to the Platensimycin Core.” *Org. Lett.* **2007**, *9*, 4921–4923.
11. Fox, R. J.; Lalic, G.; Bergman, R. G. “Regio- and Stereospecific Formation of Protected Allylic Alcohols via Zirconium-Mediated S<sub>N</sub>2' Substitution of Allylic Chlorides.” *J. Am. Chem. Soc.* **2007**, *129*, 14144–14145.
10. Lalic, G.; Blum, S. A.; Bergman, R. G. “Zirconium-Mediated S<sub>N</sub>2' Substitution of Allylic Ethers: Regio- and Stereospecific Formation of Protected Allylic Amines.” *J. Am. Chem. Soc.* **2005**, *127*, 16790–16791.
9. Magdziak, D.; Lalic, G.; Lee, H.-M.; Fortner, K. C.; Aloise, A. D.; Shair, M. D. “Catalytic Enantioselective Thioester Aldol Reactions That are Compatible With Protic Functional Groups.” *J. Am. Chem. Soc.* **2005**, *127*, 7284–7285.
8. Xu, K.; Lalic, G.; Sheehan, S. M.; Shair, M. D. “Dynamic Kinetic Resolution During a Cascade Reaction on Substrates with Chiral All-Carbon Quaternary Centers.” *Angew. Chem. Int. Ed.* **2005**, *44*, 2259–2261.
7. Lalic, G.; Aloise, A. D.; Shair, M. D. “An Exceptionally Mild Thioester Aldol Reaction Inspired by Polyketide Biosynthesis.” *J. Am. Chem. Soc.* **2003**, *125*, 2852–2853.
6. Burke, M. D.; Lalic, G. “Teaching Target-Oriented and Diversity-Oriented Organic Synthesis at Harvard University.” *Chem. Biol.* **2002**, *9*, 535–541.
5. Korbel, G. A.; Lalic, G.; Shair, M. D. “Reaction Microarrays: A Method for Rapidly Determining the Enantiomeric Excess of Thousands of Samples.” *J. Am. Chem. Soc.* **2001**, *123*, 361–362.
4. Lalic, G.; Petrovski, Z.; Galonic, D.; Matovic, R.; Saicic, R. N. “Alkylation of Carbonyl Compounds in the TiCl<sub>4</sub>-promoted Reaction of Trimethylsilyl Enol Ethers with Epoxides.” *Tetrahedron* **2001**, *57*, 583–591.
3. Sheehan, S. M.; Lalic, G.; Chen, J. S.; Shair, M. D. “A Highly Efficient and Convergent Reaction for the Synthesis of Bridgehead Enone-Containing Polycyclic Ring Systems.” *Angew. Chem. Int. Ed.* **2000**, *39*, 2714–2715.
2. Lalic, G.; Petrovski, Z.; Galonic, D.; Matovic, R.; Saicic, R. N. “Alkylation of Carbonyl Compounds in the TiCl<sub>4</sub>-promoted Reaction of Trimethylsilyl Enol Ethers with Ethylene Oxide.” *Tetrahedron Lett.* **2000**, *41*, 763–766.

1. Barton, D. H. R.; Lalic, G.; Smith, J. A. "The Selective Functionalization of Saturated Hydrocarbons. Part 42. Further Studies in Selective Phenylselenation." *Tetrahedron* **1998**, *54*, 1725–1734.

## PATENTS

1. Method for Analysis of Reaction Products. Matthew D. Shair; Gregory A. Korbel; Gojko Lalic, U.S. Patent Appl. 09/778,708, February 7, 2001.