

## PUBLICATIONS – PEER REVIEWED

10. Fishlock, D.; Williams, R. M. "Synthetic Studies on ET 743. Asymmetric, Stereocontrolled Construction of the Tetrahydroisoquinoline Core via Radical Cyclization on a Glyoxalimine" *Org. Lett.* **2006**, DOI: 10.1021/ol061192r
9. Fillion, E.; Fishlock, D. "Synthesis of (±)-Taiwaniaquinol B via TMSOTf-Promoted Tandem Intramolecular Friedel-Crafts Acylation/ $\alpha$ -*tert*-Alkylation" *J. Am. Chem. Soc.* **2005**, *127*, 13144-13145.
8. Fillion, E.; Fishlock, D.; Wilsily, A.; Goll, J. "Meldrum's Acids as Acylating Agents in the Catalytic Intramolecular Friedel-Crafts Reaction" *Journal of Organic Chemistry*, **2005**, *70*, 1316-1327.
7. Perdicakis, B. S.; Montgomery, H. J.; Abbott, G. L.; Fishlock, D.; Lajoie, G. A.; Guillemette, J. G.; Jervis, E. "Photocontrol of Nitric Oxide Production in Cell Culture Using a Caged Isoform Selective Inhibitor" *Bioorganic & Medicinal Chemistry*, **2005**, *13*, 47-57.
6. Fillion, E.; Fishlock, D. "Convenient Access to Polysubstituted 1-Indanones by Sc(OTf)<sub>3</sub>-Catalyzed Intramolecular Friedel-Crafts Reactions of Benzyl Meldrum's Acid Derivatives" *Organic Letters*, **2003**, *5*, 4653-4656.
5. Fishlock, D.; Perdicakis, B.; Montgomery, H. J.; Guillemette, J. G.; Jervis, E.; Lajoie, G. A. "Synthesis and Evaluation of *trans*-3,4-Cyclopropyl L-Arginine Analogs as Isoform Selective Inhibitors of Nitric Oxide Synthase" *Bioorganic & Medicinal Chemistry*, **2003**, *11*, 869-873.
4. Rose, G. W. N.; Blaskovich, M. A.; Evindar, G.; Wilkinson, S.; Luo, Y.; Fishlock, D.; Reid, C.; Lajoie, G. A. "Preparation of 1-[*N*-benzyloxycarbonyl-(1*S*)-1-Amino-2-oxoethyl]-4-methyl-2,6,7-trioxabicyclo[2.2.2]octane" *Organic Syntheses*, **2002**, *79*, 216-227.
3. Montgomery, H. J.; Perdicakis, B.; Fishlock, D.; Lajoie, G. A.; Jervis, E.; Guillemette, J. G. "Photo-Control of Nitric Oxide Synthase Activity Using a Caged Isoform Specific Inhibitor" *Bioorganic & Medicinal Chemistry*, **2002**, *10*, 1919-1927.
2. Fishlock, D.; Guillemette, J. G.; Lajoie, G. A. "Synthesis of *syn* and *anti* Isomers of *trans* Cyclopropyl Arginine" *Journal of Organic Chemistry (Note)*, **2002**, *67*, 2352-2354.
1. Luo, Y.; Evindar, G.; Fishlock, D.; Lajoie, G. A. "Synthesis of *N*-Protected *N*-Methyl Serine and Threonine" *Tetrahedron Letters*, **2001**, *42*, 3807-3809.

## CONFERENCE PRESENTATIONS - POSTER

14. Fishlock, D.; Williams, R. M. "Studies Toward the Total Synthesis of ET-743" CU-Roche Symposium, Boulder, CO, June, 2006.
13. Fillion, E.; Fishlock, D.; Wilsily, A.; Goll, J. M. "Meldrum's Acids as Acylating Agents in the Catalytic Intramolecular Friedel-Crafts Reaction — Rate of Cyclization as a Function of Ring Size" 88<sup>th</sup> *Canadian Society For Chemistry Conference*, Saskatoon, SK, May, 2005.
12. Fillion, E.; Fishlock, D. "Meldrum's Acids as Acylating Agents in Lewis Acid-Catalyzed Friedel-Crafts Reactions: Synthetic Applications and Mechanistic Studies" IUPAC ICOS-15, Nagoya, Japan, August, 2004.
11. Fillion, E.; Fishlock, D. "Meldrum's Acids As Acylating Agents in Friedel-Crafts Reactions" 87<sup>th</sup> *Canadian Society For Chemistry Conference*, London, ON, May, 2004.
10. Fishlock, D.; Perdicakis, B.; Montgomery, H. J.; Guillemette, J. G.; Jervis, E.; Lajoie, G. A. "Synthesis and Evaluation of *trans*-3,4-Cyclopropyl L-Arginine Analogs as Isoform Selective Inhibitors of Nitric Oxide Synthase" 6<sup>th</sup> *IUPAC International Symposium on Bioorganic Chemistry*, Toronto, August, 2002.

9. Jervis, E. J.; Perdicakis, B.; Montgomery, H. J.; Fishlock, D.; Guillemette, J. G.; Lajoie, G. A. "Multiphoton Activation of Effector Molecules for Spatial-Temporal Control of Drug Activity" *224<sup>th</sup> ACS National Meeting*, Boston, MA, 2002.
8. Guillemette, J. G.; Montgomery, H. J.; Perdicakis, B.; Fishlock, D.; Jervis, E.; Lajoie, G. A. "Photo-Control of Nitric Oxide Synthase Activity Using a Caged Isoform Specific Inhibitor" *2<sup>nd</sup> International Conference of the Nitric Oxide Society*, Prague, Czech Republic, 2002.
7. Fishlock, D.; Guillemette, J. G.; Lajoie, G. A. "Synthesis of 3,4-Cyclopropyl Arginine Analogs as Isoform Selective NOS Inhibitors" *84<sup>th</sup> Canadian Society For Chemistry Conference*, Montreal, 2001.
6. Montgomery, H. J.; Perdicakis, B.; Fishlock, D.; Lajoie, G. A.; Jervis, E.; Guillemette, J. G. "Isoform Specific Control of Nitric Oxide Synthase Activity Using a Caged Inhibitor" *45<sup>th</sup> Annual Biophysics Meeting*, Boston, MA, 2001.
5. Alcaro M. C.; Papini A.M.; Chelli, M.; Fishlock, D.; Lajoie, G.A. "Stereoselective Synthesis of  $\beta$ ,  $\gamma$ -Unsaturated Amino Acids" *26<sup>th</sup> European Peptide Symposium*, Montpellier, France, 2000.
4. Fishlock, D.; Luo, Y.; Evindar, G.; Lajoie, G.A. "Synthesis of *N*-protected *N*-methyl Serine and Threonine" *16<sup>th</sup> American Peptide Symposium*, Minneapolis, MN, 1999.

### CONFERENCE PRESENTATIONS – ORAL

3. Fishlock, D.; Fillion, E. "Synthesis of ( $\pm$ )-Taiwaniaquinol B via TMSOTf-Promoted Tandem Intramolecular Friedel-Crafts Acylation/ $\alpha$ -*tert*-Alkylation" *88<sup>th</sup> Canadian Society For Chemistry Conference*, Saskatoon, SK, May, 2005.
2. Fishlock, D.; Fillion, E. "Meldrum's Acid Derivatives in Lewis Acid-Catalyzed Friedel-Crafts Acylation Reactions" *Quebec-Ontario Mini-Symposium on Synthetic and Bioorganic Chemistry*, Montreal, December 5-7, 2003.
1. Fishlock, D.; Lajoie, G. A. "Synthesis of *N*-Protected *N*-Methyl  $\beta$ -Hydroxy Amino Acids for Incorporation in Aureobasidin A Analogs" *26<sup>th</sup> Southern Ontario Undergraduate Student Chemistry Conference*, York University, 1998.