



**Publications (since 2007, from a total of over 180 publications and patents)**

1. Intramolecular [2+2] Photocycloaddition of Altrenogest: Confirmation of Product Structure, Theoretical Mechanistic Insight, and Bioactivity Assessment. Pflug, N.C.; Patterson, E.V.; Martinovic-Weigelt, D.; Kolodziej, E.P.; Gloer, J.B.; McNeill, K.; Cwiertny, D.M.; Wammer, K.H. *J. Org. Chem.*, **2019**, in press.
2. Bioactive Rearrangement Products from Aqueous Photolysis of Pharmaceutical Steroids. Pflug, N. C.; Knutson, C. J.; Martinović-Weigelt, D.; Swenson, D. C.; Wammer, K.H.; Cwiertny, D. M.; Gloer, J. B., *Org. Lett.* **2019**, *21*, 3568-3571.
3. Wortmannin and Wortmannine Analogues from an Undescribed *Niesslia* sp. Dischler, N.M.; Xu, L.; Li, Y.; Nichols, C.B.; Alspaugh, J. A.; Bills, G.F.; Gloer, J. B. *J. Nat. Prod.* **2019**, *82*, 532–538.
4. Gakolanone: a new benzophenone derivative from *Garcinia kola* Heckel stem-bark. Akoro, S.; Aiyelaagbe, O.; Onocha, P.; Gloer, J.B. *Nat. Prod. Res.*, **2018**. DOI: 10.1080/14786419.2018.1528583
5. Identification of cyclosporin C from *Amphichorda felina* using a *Cryptococcus neoformans* differential temperature sensitivity assay. Xu, L.; Li, Y.; Gloer, J. B.; Alspaugh, A.; Bills, G. F., *Appl. Microbiol. Biotechnol.* **2018**, *102*, 2337-2350.
6. Isolation, Synthesis, and Radical-Scavenging Activity of Rhodomelin A, a Ureidobromophenol from the Marine Red Alga *Rhodomela confervoides*. Li, K.; Wang, Y.-F.; Li, X.-M.; Wang, W.-J.; Ai, X.-Z.; Li, X.; Yang, S.-Q.; Gloer, J. B.; Wang, B.-G.; Xu, T. *Org. Lett.* **2018**, *20*, 417-420.
7. Environmental Photochemistry of Dienogest: Phototransformation to Estrogenic Products and Increased Environmental Persistence via Reversible Photohydration. Pflug, N.C.; Hankard, M.K.; Berg, S.M.; O'Connor, M.; Gloer, J.B.; Kolodziej, E.P.; Cwiertny, D.M.; Wammer, K. H. *Environ. Sci. Processes & Impacts* **2017**, *19*, 1414-1426.
8. Anti-*Cryptococcus* phenalenones and cyclic tetrapeptides from *Auxarthron pseudauxarthron* Li, Y.; Yue, Q.; Jayanetti, D.R.; Swenson, D. C.; Bartholomeusz, G A.; An, Z.; Gloer, J. B.; Bills, G.F. *J. Nat. Prod.*, **2017**, *80*, 2010-2109.
9. Formation of Bioactive Transformation Products during Glucocorticoid Chlorination. Pflug, N.C.; Kupsco, A.; Kolodziej, E.P.; Schlenk, D.; Teesch, L.M.; Gloer, J.B.; Cwiertny, D.M. *Environ. Sci.-Water Res. Tech.*, **2017**, *3*, 450-461.
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15. New Punctaporonins from Two Fungicolous Isolates of *Pestalotiopsis* Sp. Hwang, I. H.; Wicklow, D. T.; Gloer, J. B. *Phytochem. Lett.*, **2016**, *16*, 257-262.
16. New Monomeric Stilbenoids from Fungus-Challenged Peanut (*Arachis hypogaea*) Seeds. Sobolev, V. S.; Krausert, N. M.; Gloer, J. B. *J. Agric. Food Chem.*, **2016**, *64*, 579-584.
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20. Hypocoprins A-C: New Sesquiterpenoids from the Coprophilous Fungus *Hypocopra rostrata* (Xylariales). Jayanetti, D. R.; Yue, Q.; Bills, G. F.; Gloer, J. B. *J. Nat. Prod.* **2015**, *78*, 396-401.
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## Miscellaneous

- JBG's research program has been consistently funded by major external grants for over 30 years. These funds have come mostly in the form of mainstream competitive federal research grants from NSF and NIH, but also include support from private foundations and industrial sources. He has also served as PI on multiple grants for shared NMR and MS instrumentation and has contributed as a co-investigator on *ca.* 25 other funded external grants awarded to the Department and University for instrumentation, traineeships, and infrastructure.
- Some other contributions: over 100 invited presentations at Colleges, Universities, Companies, and Conferences (33 invited symposium presentations); author or co-author of over 150 contributed presentations at regional, national, or international scientific conferences; supervised 34 Ph.D. theses and 14 M.S. students; served on over 160 Ph.D. thesis committees, *ad hoc* manuscript review for over 30 different scientific journals; and grant proposal review for 14 funding agencies (including NSF and NIH). He served a four-year term as a member of the NIH Bioorganic and Natural Products review panel, and seventeen times as an *ad hoc* member of

other NIH review panels. He has served as a member of the editorial advisory board of the *Journal of Natural Products* since 2002, was elected Vice-President of the American Society of Pharmacognosy in 1998, and served as President in 1999-2000.

- Extensive experience in teaching both large undergraduate courses (mostly lecture courses in organic chemistry with enrollments of 250-400 students) and graduate courses (lecture courses in organic structure determination with enrollments of 12-28 students). Overall student evaluation rating scores are consistently *ca.* 5.6 or higher on a scale from 1-6. Aside from many Chemistry Departmental service roles, including a recent term as Chair, notable University service includes College of Liberal Arts and Sciences Promotion and Tenure and Named Chairs and Professorships Committees, as well as long-term membership on University NMR and MS Facility committees.