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### Education:

- Ph.D                      Molecular Biology 1996 – Oregon Health and Science University,  
Portland, Oregon
- B.S.                        Chemistry 1983 - University of Oregon, Eugene, Oregon.

### Publications

1.      Chromogranin A: the Primary Structure Deduced from cDNA Clones Reveals the Presence of Pairs of Basic Amino Acids. M. Grimes, A. Iacangelo. L. Eiden, B. Godfrey, E. Herbert 1987 Ann. N.Y. Acad. Sci., 493, 351-378.
2.      Characterization of Complementary Deoxyribonucleic Acid for the Precursor of Porcine Motilin. C.T. Bond, G. Nilaver, B. Godfrey, E.A. Zimmerman, J.P. Adelman 1988 Mol. Endocrinol. 2, 175-180.
3.      Heterogeneity of Motilin Immunoreactivity in Mammalian Tissue. M.C. Beinfeld, C.T. Bond, G. Nilaver, D. Daihk, B. Godfrey, J.P. Adelman 1988 Synapse 2, 266-275.
4.      Characterization of a Gene Encoding a Manganese Peroxidase from *Phanerochaete chrysosporium*. B. Godfrey, M.B. Mayfield, J.A. Brown, M.H. Gold 1990 Gene 93, 119-124.
5.      Structure and Regulation of a Mn Peroxidase Gene from *Phanerochaete chrysosporium*. Gold, M. H., J. A. Brown, B. J. Godfrey, M. B. Mayfield, H. Wariishi, and K. Valli. 1991. p. 188-199. In G. F. Leatham and M. E. Himmel (ed.), *Enzymes in Biomass Conversion*. American Chemical Society, Washington, D.C.
6.      Characterization of the *mnp2* Gene Encoding Manganese Peroxidase Isozyme 2, from the Basidiomycete *Phanerochaete chrysosporium*. M. B. Mayfield, B. J. Godfrey, M. H. Gold 1994 Gene 142, 231-235

7. A Reporter Construct for Studying the Regulation of Manganese Peroxidase Gene Expression. B. J. Godfrey, L. Akileswaran, and M. H. Gold 1994 Applied and Environmental Microbiology 60, 1353-1358.
8. Structure, Behavior and Manipulation of Nanoscale Biological Assemblies. T. Bayburt, J. Carlson, B. J. Godfrey, M. Shank, S. Sligar 1997. In: Handbook of Nanotechnology, Hari S. Nalwa (Ed), Academic Press, 1999. ISBN: 9780125137607
9. Metal Binding Colloidal Gold Particles: A Versatile Scanning Force Microscope Tip Calibrator for Fluid Imaging. J. W. Carlson, B. J. Godfrey, S. G. Sligar. Langmuir v33, 3086-3090, 1999.
10. A Novel Promoter Sequence Required for Manganese Regulation of Manganese Peroxidase isozyme 1 Gene Expression in *Phanerochaete chrysosporium*. Bio Ma, Mary B. Mayfield, Bruce J. Godfrey, and Michael H. Gold. Eukaryotic Cell, June 2004 v3, 579-588.
11. First Report of *Fusarium temperatum* in Diseased Sweet Corn Ears in the Western United States. M. E. Ridout, G. Newcombe, and B. Godfrey. Plant Disease v100, 2527, Dec. 2016.
12. Effects of Antagonists on Mycotoxins of Seedborne *Fusarium spp.* in Sweet Corn. M. E. Ridout, B. Godfrey, and G. Newcombe. Toxins 11(8), 438-455, 2019.
13. A rapid approach to profiling diverse fungal communities using the MinION™ nanopore sequencer. Korena K. Mafune, Bruce J. Godfrey, Daniel J. Vogt, Kristiina A. Vogt. BioTechniques 68(2), 72-78, 2020.
14. Old-growth *Acer macrophyllum* trees host a unique suite of arbuscular mycorrhizal fungi and other root-associated fungal taxa in their canopy soil environment. Korena K. Mafune, Daniel J. Vogt, Kristiina A. Vogt, EC Cline, Bruce J. Godfrey, Rebecca A. Bun, Alec J.S. Meade. In press, Mycologia 2023
15. Tailoring polyvinyl alcohol-sodium alginate (PVA-SA) hydrogel beads by controlling crosslinking pH and time. P. Candry, B.J. Godfrey, Z. Wang, F. Sabba, E. Dieppa, J. Fudge, O. Balogun, G. Wells, and M.-K. H. Winkler. Scientific Reports 12(1), 20822, 2022
16. Photoinhibition of Comammox reaction in *Nitrospira inopinata* in a dose and wavelength-dependent manner. Ekaterina Y Gottshall, Bruce Godfrey, Bo Li, Britt Abrahamson, Mari Winkler. Frontiers in Microbiology 13, 1022899, 2022
17. Simultaneous Anaerobic Carbon and Nitrogen Removal from Primary Municipal Wastewater with Hydrogel Encapsulated Anaerobic Digestion Sludge and AOA-anammox Coated Hollow Fiber Membrane. Bo Li, Bruce Godfrey, Raymond Redcorn, Zhiwu Wang, Ramesh Goel, Mari Winkler. Science of the Total Environment, [Volume 883](#), 20 July 2023, 163696.

18. Mainstream Nitrogen Removal from Low Temperature and Low Ammonia Strength Municipal Wastewater using Hydrogel-encapsulated Comammox and Anammox. Bo Li, Bruce Godfrey, Raymond Redcorn, Pieter Candry, Zhiwu Wang, Ramesh Goel, Mari Winkler. Water Research, [Volume 242](#), 15 August 2023, 120303
19. Co-immobilization of AOA Strains with Anammox Bacteria in Three Different Synthetic Bio-granules Maintained under Two Substrate-level Conditions. Bruce Godfrey, Bo Li, Ekaterina Gottshall, Samuel Brysons, Mari Winkler. Chemosphere, 342, 2023, 140192.
20. Microbe-cellulose-PEGDMA Hydrogels as a Surrogate Model System for Particulate Carbon Degradation in Soil Aggregates. Pieter Candry, Bruce J. Godfrey, Mari Karoliina-Henriikka Winkler, ISME Communications, 4(1), 2024, ycae068.

#### **Patent applications filed**

- PCT/US2019/056119 System and method for removing uremic toxins from a patient's body 10/2019
- PCT/US2020/055402 Hydrogels for the entrapment of bacteria 10/2020
- Patent Application 63/325,494 Hydrogel Engineering 03/2022
- PCT/US2021/013127 Microbe-based systems, compositions, and methods thereof 07/2022
- WO2023019195A1 Temperature controlled biological growth surfaces for higher microbial activity in bioprocessing. 02/2023

#### **Published Meeting Abstracts**

1. Towards the Imaging of Spliceosomal Complexes Under Native Conditions by Atomic Force Microscopy. RNA 97, the 2nd annual meeting of the RNA Society, Banff, Alberta, Canada. May 1997
2. Identifying fungi present in bigleaf maple canopy and forest floor soils in a coastal old-growth temperate rainforest in western Washington. Korena Mafune, Daniel Vogt, Kristiina Vogt, Bruce Godfrey. Mycological Society of America, "Sequencing the Environment", Aug 7-11, 2016, Berkeley CA.
3. Imaging and identifying adventitious fungal root associates in canopy soils of old-growth Acer macrophyllum trees, located in the Olympic National Park. Korena Mafune, Bruce Godfrey. Mycological Society of America, "Translational Mycology, Putting Fungal Diversity to Work", July 16-19, 2017, Athens GA.
4. Mainstream Nitrogen Removal from Municipal Wastewater using Hydrogel-encapsulated Comammox and Anammox and Direct Biomass Heating. Bruce Godfrey, oral presentation at the WEF/IWA Innovations in Process Engineering Conference, June 8, 2023, Portland OR.

