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Education:

- Ph.D Molecular Biology
 1996 - OHSU (formerly the Oregon Graduate Institute)
- B.S. Chemistry 1983 - University of Oregon, Eugene, Oregon.

Professional Experience:

Manager, Comparative Genomics Center, University of Washington Department of
Biology, 2/2004 - 7/2017

Developed and managed the Comparative Genomics Center, a Laboratory User Facility and Cost Center which provided access to advanced instrumentation and data analysis resources for researchers and students in the Department of Biology, other UW Departments, and external academic and business customers.

President and Senior Scientist of Ascent Indoor Air Quality Consulting, LLC, 8/01 - 12/04. Ascent IAQC has provided expertise for numerous residential, commercial, and local governmental clients, in dealing with sick building complaints, water damage assessments and repair protocols, air quality studies, data collection and evaluation for insurance and legal issues.

Environmental Molecular Biologist, Envirotest Research, Inc. 8/99 - 5/01.
Preparation of literature database on fungi, mycotoxins, and human mycotoxin exposures in the indoor environment. Developed sampling strategies for various materials. Performed indoor air quality investigations, specializing in bioaerosol, chemical, and particulate analysis. Managed mold remediation projects. Prepared reports for clients, attorneys, literature excerpts for doctors.

Postdoctoral Research Associate, Beckman Institute of Science and Technology, Biochemistry Department, UIUC. 8/95- 5/99. Atomic force microscopy of single-stranded RNA and human pre-messenger-RNA splicing complexes under native buffer conditions. Surface plasmon resonance study of apolipoprotein A1 interaction with planar lipid surfaces.

Visiting Researcher, Pharmacology Department, Mayo Foundation, Rochester, Minnesota, 8/92. Demonstrated fluorescence energy transfer as a probe of a linear to cruciform conformational transition in the cAMP-responsive enhancer in the human enkephalin promoter.

Graduate Research Assistant, Department of Chemistry, Biochemistry and Molecular Biology, Oregon Graduate Institute, Portland Oregon. 9/87-8/95. Ph.D dissertation: A promoter-reporter construct for studying the regulation of manganese peroxidase gene expression in *Phanerochaete chrysosporium*.

Research Assistant, Vollum Institute for Advanced Biomedical Research, Portland Oregon. 5/86-9/87. Operated the oligonucleotide synthesis facility and assisted with molecular biology research on neuroendocrine peptide precursors.

Research Assistant, Chemistry Department, University of Oregon, Eugene, Oregon. 5/85-5/86. Molecular biology research on neuroendocrine peptide precursors.

Organic Chemist, Molecular Probes, Inc., Eugene Oregon. 8/83-5/85. Synthesis of fluorescent dyes and fluorescent biomolecule analogs, protein-dye conjugates, peptide purification and conjugation.

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*. Bioa 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. Seedborne *Fusarium* in Sweet Corn Resists Fungal Antagonism Without Mycotoxin Advantage. M. E. Ridout, B. Godfrey, and G. Newcombe. Manuscript in preparation.

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.