

R. Wolfgang Rumpf, Ph.D.

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Employment History

• **irisnote Inc**

Jan 2013 – Present

Senior Director of Product, Scientific Software (ELN)

- Designed and managed feature sets, workflows, and UIs for Desktop and iOS applications
- Designed end-user demonstration and training programs
- Managed demo and training materials (print and video)
- Ensured that product met the requirements of 21CFR11

At irisnote I was responsible for the overall product UI design and feature set. Because of my strong ability to bridge the gap between scientists and IT, I provided all of the high-profile demos for potential high-dollar clients, worked product support cases for critical clients, and increased our customer retention rate significantly.

• **University of Maryland University College**

Associate Professor/Adjunct Faculty, Department of Biotechnology

2012 - Present

Assistant Professor/Adjunct Faculty, Department of Biotechnology

2006 - 2012

- Designed and currently teach an online graduate-level Bioinformatics course (BIOT 610/630)
- Taught Bioinformatics Ethics course (BIOT640)
- Mentor incoming faculty
- Assembled and maintain a linux-based bioinformatics server for teaching purposes, including:
 - o local BLAST services
 - o local EMBOSS services

Since I started teaching at UMUC in 2006, I have been nominated twice for the Stanley J. Drazek Teaching Excellence Award. I have consistently received excellent reviews from both my students and peers, and in 2012 I was promoted to the rank of Associate Professor. Construction of the bioinformatics server required an in-depth knowledge of linux, including command-line operations as well as shell scripting.

Awards: 2009 Recipient of the University of Maryland University College (UMUC) Graduate School of Management and Technology's Teaching Recognition Award

• **ELN Technologies Inc**

Jan 2012 – Dec 2012

Director of Product, Scientific Software

- Designed and managed feature sets and workflows
- Designed end-user demonstration and training programs
- #1 most requested trainer for new and existing clients

• **Rescentris LTD** (<http://www.rescentris.com>)

Jan 2011 – Jan 2012

Director of Internal & External Support

- Interface between customers and support/development
- Managed Product Support team in resolving escalated customer support issues
- Coached & Trained Support Staff

Senior Product Specialist, Electronic Laboratory Notebook Systems

Jan 2005-Jan 2012

- Provide end-user, administrative, and managerial ELN software demonstrations
- Provide workflow analysis for customization & integration of software
- Design feature/workflow enhancements

Director of Training, Electronic Laboratory Notebook Systems

Jan 2003 – Jan 2005

- Provide end-user, administrative, and managerial training on ELN software

At Rescentris I was the principal trainer for the ELN product, and was continually praised by colleagues, partners, and clients for the clarity of the training program as well as the way in which I helped clients work with the IT solutions required for managing their scientific information/intellectual property. Clients who continually requested my personal onsite assistance for additional training and workflow analysis include British Petroleum (Naperville, IL), the CDC-Niosh (Morgantown PA), The Research Institute at Nationwide Children's Hospital in Columbus Ohio, Cincinnati Children's Medical Center, and the HEP/B Research Directorate at Wright Patterson Air Force Base.

• **LabBook, Inc**

Jun 2000 - Aug 2002

Project Manager, Bioinformatics Division

- Managed the development of an annotated human genome database
- Managed the development & testing of bioinformatics software products
- Designed interfaces & features for bioinformatics software products
- Managed customer support and training for bioinformatics software products
- Developed term sheets and customization proposals for software development

Education:

- **Ph.D., Molecular Genetics**, The Ohio State University 1997
Mentor: C. William Birky, Jr, Ph.D.

Dissertation: "*Two Studies in Evolutionary Loss of Function*" Used the sequence of the nuclear small ribosomal subunit gene to determine the phylogenetic relationship between photosynthetic and non-photosynthetic algae. Determined the amount of sequence divergence among alleles of the TFIID gene to determine whether *Acanthamoeba castellanii* reproduced sexually or asexually.

- **M.S., Biology**, The University of Dayton 1990
Mentor: Kenneth J. McDougal, Ph.D.

Thesis: "*Mutagenicity of Retinoic Acid in two Eukaryotic Test Systems*" Determined whether retinoic acid induced point mutations in *Saccharomyces cerevisiae* or chromosomal nondisjunction in *N. crassa*.

- **B.S., Biology**, The University of Dayton 1988

Postdoctoral Experience:

- Postdoc, The Ohio State University College of Dentistry 1997-2000
Mentors: Dr. E. J. Leys and Dr. A. L. Griffen

Determined sequence-based phylogeny of strains of the dental pathogen *P. gingivalis* at multiple loci in an effort to reconstruct the phylogenetic history of pathogenicity in this organism and determine whether or not recombination occurs between strains.

References: Available upon request.

Recommendations: Please see my LinkedIn page for testimonials from both clients and employers:

<http://www.linkedin.com/pub/wolfgang-rumpf/1/932/158/>

Publications:

- Gordon, J., Rumpf, R., Shank, S. L., Vernon, D., and C. William Birky, Jr. 1995. Sequences of the RRN18 Genes of *Chlamydomonas humicola* and *C. dysosmos* are nearly identical, in agreement with their combination in the species *C. applanata*. *J. Phycology* 31:312-313.
- Rumpf, R., D. Vernon, D. Schreiber, and Birky, C. W. Jr. 1996. Evolutionary Consequences of the Loss of Photosynthesis in Chlamydomonadaceae: Phylogenetic Analysis of 18S rDNA in 13 *Polytoma* strains (Chlorophyta). *J. Phycology* 32:119-126.
- Rumpf, R., Griffen, A. L., Wen, B. G., and E. J. Leys. Sequencing of the ribosomal intergenic spacer region for strain identification of *Porphyromonas gingivalis*. *J. Clin Micro* 37(8) 1999, 2723-2725.
- Rumpf, R. W., A. L. Griffen, and E. J. Leys. Phylogeny of *Porphyromonas gingivalis* by Ribosomal Intergenic Spacer Region Analysis. *J. Clin Micro* 38(5) 2000, 1807-1810.
- Vernon, D., R. R. Gutell, J. J. Cannone, R. W. Rumpf, and C. W. Birky Jr. Accelerated Evolution of Functional Plastid rRNA and Elongation Factor Genes Due to Reduced Protein Synthetic Load After the Loss of Photosynthesis in the Chlorophyte Alga *Polytoma*. *Mol. Biol. Evol.* 18(9) 2001, 1810-1822.
- Leys, E. J., S. R. Lyons, M. L. Moeschberger, R. W. Rumpf, and A. L. Griffen. Association of *Bacteroides forsythus* and a Novel *Bacteroides* Phylotype with Periodontitis. *J. Clin. Micro* 40(3) 2001, 821-825.

Published Abstracts:

- Rumpf, R. W., Griffen, A. L., Leys, E. J. The phylogeny of *Porphyromonas gingivalis* agrees with clinical data. *J. Dent. Res.* 77 (Special Issue A) : 228.
- Rumpf, R. W., Griffen, A. L., Leys, E. J. Phylogenetic reconstruction and recombination at multiple loci of *Porphyromonas gingivalis*. *J. Dent. Res.* 78 (Special Issue) : 454.
- Rumpf, R. W., Griffen, A. L., Leys, E. J. Sequence-based strain resolution of *Porphyromonas gingivalis*. Abstracts of the General Meeting of the American Society for Microbiology 99:188.
- Rumpf, R. W., Griffen, A. L., Leys, E. J. Comparison of *Porphyromonas gingivalis* Strain Resolution and Phylogenetic Reconstruction Methods. *J. Dent. Res.* In print.
- Rumpf, R. W., Wen, B. G., Griffen, A. L., Leys, E. J. Structure of the *Actinobacillus actinomycetemcomitans* ribosomal intergenic spacer region. ASM 2000, In Press.
- Rumpf, R. W., Griffen, A. L., Leys, E. J. Recombination in *Porphyromonas gingivalis* is more prevalent in rare strains than in common strains. ASM 2000, In Press.