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| BIOGRAPHICAL SKETCH Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person.  **DO NOT EXCEED FOUR PAGES.** | | | | |
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| NAME  Donald James Wolfgeher | | POSITION TITLE  Technical Director, Proteomics Core Lab  Research Specialist 2, Stephen Kron Lab | | |
| eRA COMMONS USER NAME (credential, e.g., agency login) | |
| EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)* | | | | |
| INSTITUTION AND LOCATION | DEGREE  *(if applicable)* | | YEAR(s) | FIELD OF STUDY |
| University of Missouri, Columbia, MO | B.S | | 1995 | Biology |
| University of Missouri, Columbia, MO | B.S | | 2000 | Computer Science |
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1. **Personal Statement**

I have been the Technical Director of the proteomics core facility at the University of Chicago for over ten years. During this time, I have accumulated a high level of expertise in all levels of mass spectrometry including instrument operations and maintenance, sample preparation, proteomics user consultation and experiment planning, and informatics effectuation, maintenance and data interpretation. I have extensive experience with post-translational modification data interpretation such as phosphorylation, acetylation, and sumolation as well as expertise with isotopic labeling quantitation techniques including 18O, SILAC, and iTRAQ. I have implemented and currently maintain the informatics databases and LIMS servers in the proteomics core facility used for data analysis and protein quantitation. I have also consulted on numerous users’ proteomics projects and have had a successful track record in experiment planning, data analysis and mass spectrometry validation leading to successful post-translational identifications and isotopic quantitation of complex samples. In summary, I have the experience and expertise to serve as technical expert in the areas of experimental design, implementation, data analysis and validation of mass spectrometry and proteomics post-translational modifications and isotopic labeling quantitation.

**B. Positions and Honors.**

**Positions and Employment**

1995-2000 Surgical Pathology Technician, Dept of Pathology, Boone Hospital Center, Columbia, MO.

2000-2001 Technical Support Engineer I, Networks Operations Center, Schlumberger, Lenexa, KS

2001-2002 Manager, Networks Operations Center, Schlumberger, Lenexa, KS

2002-2003 Operations Engineer I, Schlumberger, Chicago, IL

2004-2005 Research Technician, Proteomics Core Lab, University of Chicago at Chicago, IL

2005-2007 Research Technician, Stephen Kron Lab, University of Chicago at Chicago, IL

2005-Present Technical Director, Proteomics Core Lab, University of Chicago at Chicago, IL

2007-Present Research Specialist 2,Stephen Kron Lab, University of Chicago at Chicago, IL

**Other Experience and Professional Memberships**

2005 HPLC Certification from Chromatography Institute of America

2009-Present American Society of Mass Spectrometry

**C. Selected Peer-reviewed Publications**

**Most relevant to the current application (in chronological order)**

1. Ricco, N., **Wolfgeher, D**., *et al.* Mevalonate pathway activity as a determinant of radiation sensitivity in head and neck cancer. *Molecular oncology* (**2019**).

2. Hernández-Ortega, S., **Wolfgeher, D.,** *et al.* Phosphoregulation of the oncogenic protein regulator of cytokinesis 1 (PRC1) by the atypical CDK16/CCNY complex. *Experimental & molecular medicine* 51, 44 (**2019**).

3. Efimova, E. V., **Wolfgeher, D.,** *et al.* O-GlcNAcylation Enhances Double-Strand Break Repair, Promotes Cancer Cell Proliferation, and Prevents Therapy-Induced Senescence in Irradiated Tumors. *Molecular Cancer Research* 17, 1338-1350 (**2019**).

4. Weissman, Z., **Wolfgeher, D.,** *et al.* Genetic analysis of Hsp70 phosphorylation sites reveals a role in Candida albicans cell and colony morphogenesis. *Biochimica et Biophysica Acta (BBA)-Proteins and Proteomics* (**2018**).

5. Flor, A. C., **Wolfgeher, D**., Wu, D. & Kron, S. J. A signature of enhanced lipid metabolism, lipid peroxidation and aldehyde stress in therapy-induced senescence. *Cell death discovery* **3**, 17075 (2017).

**D. Research Support**

**Ongoing Research Support**

**Completed**

1. W81XWH-07-1-0582 (PI Kristjansdottir) 7/30/07-8/31/10

“Differential Phosphoprotein Profiling of Tamoxifen Response” Fellowship outlining differential phosphoprotein proteome profiling of tamoxifen response to identify biomarkers and/or mechanism of acquired tamoxifen resistance.