



February 21, 2009

Jackie Mildner  
Isaacson, Miller

**Re: University of Rhode Island President Search**

Dear Jackie and Members of the Search Committee:

I write to affirm my strong interest in the position of President of the University of Rhode Island. As is evident from my CV, I have served in a leadership capacity and as a member of the faculty at Montana State University for nearly sixteen years. Consequently, I am very familiar with the values, culture, challenges, and opportunities of a premier land-grant university. Allow me to briefly comment on the alignment between my qualifications and experience and URI's opportunities and challenges.

First, I am familiar with the University of Rhode Island and have a genuine appreciation for its distinction and achievements. Second, there are a great many similarities between URI and Montana State University. These include our mutual status as land-grant institutions, our status as research universities, participation in Division I athletics, and even the uncomfortable fact that both URI and MSU have long labored to provide excellent education, leading research, and effective outreach in environments where fiscal constraints are endemic. More importantly, however, is my sense that URI, like MSU, aspires to be a dynamic, internationally prominent, research university that is also nationally recognized for excellence in undergraduate education. These similarities lead me to believe that my experience, expertise, and leadership skills would be an excellent fit to the challenges and opportunities of the University of Rhode Island.

Certainly, the University of Rhode Island faces significant challenges, and the expectations of the next President are high. But most public research universities face similar challenges in the current economic climate. I find them sobering, but not daunting. As for expectations – they work both ways. I would have very high expectations of the leadership, faculty, staff, students, and alumni of the University of Rhode Island. In my experience, success in fundraising, in building internationally recognized undergraduate and graduate programs, in creating partnerships with the private sector and communities, and in securing support from the State and the Federal Government is very much a team effort.

The opportunities and potential of URI are exciting and energizing. URI's current strategic plan is thoughtful and emphasizes goals that are important, I believe, not only to a public research university, but also to our nation and society. Although the current economic crisis may have slowed progress, the strategies appear sound. In my judgment, there are few public universities with the potential of the University of Rhode Island, even in these difficult times for public higher education. I sincerely believe that times like these also provide new opportunities for a university community to come together and fundamentally re-imagine how to fulfill shared aspirations. Strategic planning and budgeting will be essential, priorities will have to be set, difficult decisions or choices will have to be made, and new sources of revenue identified. During my

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service as Provost at MSU these are all areas in which I have provided leadership. Moreover, the President and I have successfully endeavored to build a culture where inclusiveness, openness, and transparency are essential elements of the university's work. MSU now enjoys vibrant shared governance that encompasses faculty, students, and staff.

I believe that my experience and leadership attributes closely match those sought for URI's President; these are emphasized in the CV provided. Briefly, I have played a central role in the development of MSU's current vision, values, and core messages, which emphasize excellence in scholarship, creative work, teaching, and engagement, consistent with a modern land-grant mission. In my roles as Provost and chair of MSU's budget and planning committee, I am engaged in a leadership or management capacity with practically every area of the university's activity. I have built strong relationships with athletics at MSU that encompass an emphasis on both the competitive and academic success of our student-athletes, as well as fundraising for both scholarships and facilities. My leadership philosophy and style emphasize collaboration as the primary mechanism to foster both innovation and mutual accountability. I actively encourage and reward decentralized, entrepreneurial approaches to problem solving and program development.

I have been actively engaged in teaching and research throughout my entire academic career. In fact, I have maintained an active laboratory while serving as Provost, and my research is currently funded by the National Institutes of Health and the National Science Foundation. I continue to work with and mentor undergraduate and graduate students. These activities have helped keep me in close contact with faculty and students, which has strengthened my service as an academic and university leader. Perhaps less evident from my CV is my engagement with intercollegiate athletics, so permit me to comment more extensively on this subject.

My direct experience with intercollegiate athletics includes budget and administrative issues, as well as leading efforts to insure the success of our student athletes at MSU. I was a member of the senior leadership team that developed a fiscal stabilization plan for intercollegiate athletics following several years of budget deficits. As chair of the university budget committee, I led the deliberations that resulted in the adoption of the plan, which has been very successful. I established an excellent working relationship with the AD, and we work together to keep the university budget and planning committee and the academic leadership of MSU apprised of the fiscal status of intercollegiate athletics, as well as NCAA rules and regulations that impact our student athletes. It is my conviction that intercollegiate athletics should be, first and foremost, about the students involved. The welfare and future of our student athletes should be the primary motivation for policies and practices. Graduation of our student-athletes should be our highest priority and the most important measure of success. Three additional principles are: to conduct our programs with the highest ethical standards and in full compliance with NCAA rules and regulations; to be fiscally responsible; and to be competitive in all areas. Ideally, all of our student athletes should leave the university with a diploma and a championship ring.

If the people of the University of Rhode Island remain committed to their vision and work as a community to craft solutions to the issues faced by the university, I think the outcomes will be striking. URI will be even more renowned for both the breadth and impact of its scholarship, and for the excellence of the educational experience for undergraduates and graduate students alike. It will be admired as a place where students and faculty compose a community of discovery. URI will demonstrate that respect and admiration for difference can provide a foundation for building a peaceful, prosperous, and sustainable society. The university will become a stronger magnet for students, scholars, resources, and investment. Consequently, the stature, outreach, and impact of the University of Rhode Island will grow substantially. To be a part of that future would be rewarding and enjoyable, and that is why I am interested in exploring the position of President with you.

With best wishes,

David M. Dooley  
Provost and Vice President for Academic Affairs

**David M. Dooley**  
**Provost and Vice President for Academic Affairs**  
**Professor of Chemistry and Biochemistry**

**PROFESSIONAL EXPERIENCE:**

06/2001-present	Provost and Vice President for Academic Affairs, Montana State University, Bozeman, Montana
06/1999-05/2001	Interim Provost and Vice President for Academic Affairs, Montana State University, Bozeman, Montana
07/1993-05/1999	Head, Department of Chemistry and Biochemistry, Montana State University, Bozeman, Montana
07/1978-06/1993	Department of Chemistry, Amherst College, Amherst, Massachusetts
	7/1978-6/84: Assistant Professor
	7/1984-6/89: Associate Professor
	7/1989-6/93: Professor
	7/1986-6/89; 7/1991-6/93: Chairman
10/1986-06/1993	Graduate Faculty, Department of Molecular and Cellular Biology, University of Massachusetts
06/1984-09/1986	Associate Faculty, Molecular and Cellular Biology Program, University of Massachusetts
01/1982-08/1982	Visiting Scholar, Stanford University
08/1981-12/1981	Visiting Scientist, Massachusetts Institute of Technology

**SUMMARY OF RECENT ADMINISTRATIVE EXPERIENCE**

**Administrative Organization and Management**

The attached organizational chart provides a good overview of the scope of my administrative responsibilities as Provost. I function as MSU's second-ranking administrator and frequently represent or fill-in for the President. I work closely with the other Vice Presidents to coordinate university activities and planning. I have 19 direct reports (including the Director of the Thermal Biology Institute, recently added to my office). In addition, I am a member of the President's Executive Council, the F&A Policy Committee (which set policy for the use of recovered indirect costs for facilities and administration), the Board of Directors of our Advanced Technology Park, the Information Technology Governance Council (the leadership team for IT at MSU), and the Executive Oversight Committee for the Long Range Campus Development Planning Process (charged to develop a five, ten, and twenty-five year plan for the development of the MSU campus). Some notable administrative responsibilities include: management of our international partnerships and relationships; providing leadership and oversight for our Extension and Experiment Station activities (jointly with the President for the latter); working with our affiliated 501c3 organizations, including the Foundation; and working in a leadership capacity for development and campaign planning.

**Chair, University Planning, Budget, and Analysis Committee**

This committee is responsible for strategic planning, assessment, and for setting the university's general operating budget (\$126.3 million in FY09). The committee is charged with developing a balanced budget that reflects university priorities. All committee meetings are public, and representatives of local media frequently attend. As Chair, my responsibilities

include setting the agenda, guiding the processes of budget development, planning, and priority-setting, moderating discussion, and presenting the budget to the university community and the President. I also serve as the principal representative for the committee to external constituencies, the media, and the public.

### **Campaign Planning and Fundraising**

Montana State University is now engaged in systematic planning for a forthcoming comprehensive campaign. I am working closely with the deans and other leadership to development the goals and objectives of that part of the campaign that will focus on the instructional, research, and outreach missions of the university. I work with the President and the Executive Director of the MSU Foundation on all aspects of university development, and am a member (*ex officio*) of the Board of Directors of the Foundation. In addition, I am one of the principals in our “game day” activities, which includes pre-game events and sharing cultivation responsibilities in the President’s box. Recently, I have accompanied the football team on selected away games to meet with alumni and donors.

### **Board of Trustees, Museum of the Rockies**

The Museum is part of the university, but also functions as a separately incorporated 501c(3) organization. I serve on the Executive Committee of the Board. The Dean and Director of the Museum reports to me, and I serve as the hiring authority. As both Provost and as a board member I participate in governance, management, and fundraising for the Museum. The Museum is currently completing a \$16 million capital campaign.

### **Governmental, System, and External Relations**

I am a member of MSU’s senior leadership team for governmental relations. Between legislative sessions I work with staff of the governor and other executives, as well as interim legislative committees on budgets, accountability measures, and planning. During sessions of the Montana Legislature I provide the primary testimony for the university budget and building requests, and work throughout the session on issues of interest to the university. I also work with our Congressional delegation and our federal relations firm on appropriations and policy issues.

I work closely with the Office of the Commissioner of Higher Education and attend meetings of the Montana Board of Regents. I regularly present proposed action items, information, and background material to the Board. In addition, I have served on multiple Board taskforces or focus groups, addressing such subjects as accountability, tuition and fee policies, distance education, general education requirements, and admissions standards.

A key component of my responsibilities as Provost is to communicate and work with external constituencies. These include the Chamber of Commerce and other local groups, the Montana Stockgrowers Association, the Montana Graingrowers Association, the Farm Bureau, and local companies and businesses, especially those in the high technology and biotechnology sectors.

### **Other Professional Activities**

I serve as an evaluator for the Northwest Commission on Colleges and Universities (our regional accreditation organization) and have been a member of teams that have reviewed the University of Idaho, Oregon State University, and the University of Oregon.

I just completed a term as a member of the governing council for the Society of Biological Inorganic Chemistry. Finally, I currently serve as a member of the scientific advisory board for Viamet, a new biotechnology startup venture.

## **ACCOMPLISHMENTS AS PROVOST**

This section outlines some of the changes at MSU during my service as Provost. It must be noted that *all* of these new initiatives and programs were developed by rich collaborative processes involving the faculty and others in the administration. Many faculty members, deans, department heads, administrative staff, and other senior leaders at MSU share the credit for these accomplishments. I believe very strongly in shared governance and certainly one of the most satisfying accomplishments has been the development of a vibrant culture for shared governance at MSU that includes faculty, students, and staff. Building this culture has been a sustained goal of the President, the university community, and me.

### **Vision, Mission, and Strategic Planning**

MSU has become a major research university, ranked in the Carnegie “Very High Research” category. During my service as Provost annual research expenditures have grown from \$45 million (1999) to over \$100 million in 2007. At the same time, MSU has committed itself to excellence in undergraduate education and to the success of its students. The “integration of learning with the discovery of knowledge” is at the heart of MSU’s values and goals. MSU is dedicated to providing “hands-on” learning experiences to all students. These values are expressed in the new core curriculum and the capstone experience featured in all departments. As Provost I helped lead the strategic planning process that incorporated these goals and values into MSU’s Five-Year Vision, which is assessed and updated annually and the university’s marketing plan. There is now a broad consensus at MSU that we should continue our endeavor to achieve distinction as a top Carnegie research university where undergraduates are an integral part of the research, scholarly, and creative work of the institution.

### **Undergraduate Education.**

- Fostered the development, working closely with faculty, of a nationally-recognized, new core curriculum that includes a required first-year seminar taught in small sections, quantitative reasoning, writing, inquiry courses in the major disciplinary areas, contemporary issues in science, diversity, and an undergraduate research experience.
- Developed new interdisciplinary undergraduate degrees in Liberal Studies and American Studies based in the new University College; new undergraduate major in Paleontology, Bioengineering, and Medical Laboratory Science (based entirely at MSU, previous program required students to go elsewhere for their final year); minors in Latin American and Latino Studies and Museum Studies; instituted Chinese language instruction, expanded Arabic language program and offerings in Spanish; instituted learning outcomes assessment for all departments.
- Greatly expanded internship programs and service learning opportunities.
- Working with one our affiliated two-year campus in Great Falls, MSU brought two-year educational opportunities to Bozeman and our local region.

### **Student Success and Community.**

- Expanded MSU’s central academic advising office and added an advisor especially for students changing majors.
- Provided leadership to a multi-campus effort to substantially improve transferability in the Montana University System
- Created the Academic Advising Council to develop university-wide improvements in advising and to identify and share best practices.
- Instituted convocation, particularly targeting first-year students.

- Established learning centers for mathematics and chemistry in residence halls.
- Improved relationships with Athletics Department to enhance the success of our student-athletes.

### **Graduate Education.**

- New Ph.D. programs in Animal and Range Science, Neuroscience, Ecology and Environmental Science, History (first Ph.D. in the humanities at MSU), Computer Science, Earth Sciences (including Paleontology) and Molecular Biosciences (a multidisciplinary, cross-departmental program). A new Ph.D. program in English (emphasizing the public humanities) and a novel collaborative Ph.D. in American Studies with European university partners are in the final stages of planning.
- New M.S./M.A. degrees in Native American Studies, Neuroscience, Ecology and Environmental Science, Environmental and Ecological Statistics, Science and Natural History Filmmaking, and the Art History.
- Increased the number and funding of graduate teaching assistantships.
- Reorganized the administration of graduate education and initiated an assessment, planning, and implementation process to set priorities and improve the strategic use of resources.

### **Faculty Development**

- With the Vice President for Research created a “Short-Term Professional Development Leave” program to enable and support faculty travel and participation in activities that will enhance their capabilities for scholarship *and teaching*.
- With the Vice President for Research created a “buy-out” program that provides funding for a one semester reduction in teaching load to enable faculty (especially those outside of science and engineering) to advance or complete scholarly work.
- With the Vice President for Research created a university award that recognizes faculty who engage undergraduates in research or creative work in an exemplary fashion.
- With the Vice Provost for Outreach created and funded a university-wide award for engagement and service.
- Initiated a review and revision of MSU’s policies and procedures for promotion and tenure to improve the clarity and consistency of the university’s expectations, and to insure that our standards are consistent with MSU’s emergence as a research university that values and rewards excellence in *both* teaching and scholarship.

### **Budget, Planning, and Capital Projects**

- With the senior leadership, led the implementation of a new budget and planning process for MSU. The Provost chairs the University Planning, Budget, and Analysis Committee, which sets the general operating budget of the university in an open, inclusive, and public process.
- With the Vice President for Administration and Finance, and the Vice President for Research, had a lead role in securing the approval for the new \$24M Chemistry and Biochemistry building and overseeing its completion.
- Represented MSU to the Legislature to secure funding for the renovation of the former chemistry building into a state-of-the-art instructional facility (approximately \$34M).
- Worked with senior leadership and staff to develop MSU’s new long-range campus development plan.

- With others in leadership developed MSU's principles for space management and set up the Space Management Committee to lead and supervise the strategic allocation of space.

### **Diversity and Internationalization**

- Upgraded the Native American Studies Program to full departmental status, and added faculty lines.
- Made recruitment of women and other under-representative groups into leadership and faculty positions an academic priority. Five of MSU's nine deans are women and one is Native American.
- Implemented strategies to increase enrollment of Native American students and international students.
- Increased the emphasis on international partnerships, leading to new relationships with, among others, Norway, Kazakhstan, the United Arab Emirates, Mongolia, Japan, India, Korea, and Turkey. One notable aspect is the development of novel dual degree programs with Turkish universities.

### **New Institutes & Divisions Established**

- The Energy Research Institute for comprehensive energy research, including carbon sequestration, clean coal technology, fuel cell technology, materials science, wind energy, solar energy, and biofuels. MSU is the lead institution in a partnership that was recently awarded \$66.9 million from the Department of Energy for Phase III research on carbon sequestration. Partners include several major research universities and national laboratories.
- The Humanities Institute for interdisciplinary and multidisciplinary studies in the humanities.
- The Big Sky Institute for interdisciplinary and multidisciplinary studies of the Greater Yellowstone Ecosystem
- The Division of Health Sciences, to provide leadership and coordination for research and education in health and biomedical disciplines, as well as fostering interdisciplinary research and education.
- Center for Native Health Partnerships for community based public health research and outreach on tribal reservations (supported by the NIH, among others).

### **EDUCATION:**

California Institute of Technology, Pasadena - Ph.D. in Chemistry, 1979  
University of California, San Diego, La Jolla - B.A. in Chemistry, 1974

### **PROFESSIONAL AFFILIATIONS:**

NASULGC Council on Academic Affairs & Committee on Undergraduate Education  
Council for Undergraduate Research  
American Chemical Society, Inorganic Division and Biological Chemistry Division  
American Society for Biochemistry and Molecular Biology  
Society of Biological Inorganic Chemistry

## **HONORS:**

Awarded Honors Ceremony and Blanket, MSU Pow-Wow, 2006  
Elected Chairman 2006 "Metals in Biology" Gordon Research Conference (Vice-Chairman in 2005)  
Elected to the Council for Society of Biological Inorganic Chemistry 2003  
Foundation for Inorganic Chemistry, Visiting Scholar, University of Sydney, 1996  
Wiley Award for Meritorious Research 1996  
Chairman 1995 Gordon Conference on "Quinones and Redox Active Amino Acid Cofactors" (Vice-Chairman, 1992)  
Camille and Henry Dreyfus Foundation Award, Grant Program in Chemistry for Liberal Arts Colleges, 1989  
A.M. (hon.), Amherst College, 1989  
Elected to Sigma Xi, 1978

## **SELECTED INVITED LECTURES:**

Distinguished Lecture, Ibaraki University, Mito, Japan, March 2008  
Vice Provost for Research Colloquium, Baylor University, April 2008  
International Conference on Biological Inorganic Chemistry (ICBIC 13) July 2007  
Science and Faith Seminar Series, Baylor University, April 2007  
Japan/China Crossover Science Symposium, October 2006  
Penn State Summer Symposium on Molecular Biology, June 2006  
Pacific Chemistry Conference (Pacific Rim Chemical Societies), Honolulu, December 2005  
International Conference on Biological Inorganic Chemistry (ICBIC 12) July 2005  
Gordon Conference on Metals in Biology, Ventura, CA, January 2005  
8<sup>th</sup> International Congress on Amino Acids and Proteins, Rome, Italy, September 2003  
Biophysical Society, 47<sup>th</sup> Annual Meeting, San Antonio, March 2003  
International Symposium on Paramagnetic NMR Spectroscopy and Structural Studies of Metalloproteins, Mito, Japan, March 2003  
International Symposium on Structure and Function of Copper Proteins, Okazaki, Japan, March 2003  
5<sup>th</sup> International Symposium on Vitamin B6, PQQ, Carbonyl Catalysis and Quinoproteins, Southampton, UK, April 2002  
Gordon Conference on Metals in Biology, Ventura, CA, January 2002  
Gordon Conference on Quinone and Redox-active Amino Acid Cofactors, Ventura, CA, January 2002  
10<sup>th</sup> International Conference on Bioinorganic Chemistry, Florence, Italy, August 2001  
Pacific Chemistry Conference (American Chemical Society) Honolulu, HI, December 2000  
NSF Inorganic Biochemistry Summer Workshop, Athens, GA, August 2000  
International Conference on Biological Inorganic Chemistry (ICBIC 9) July 1999  
Gordon Conference on Quinone and Redox-Active Amino Acid Cofactors, June 1999  
FASEB Summer Research Conference on Micronutrients: Trace Elements, June 1998  
NSF-Inorganic Biochemistry Summer Workshop, Athens, GA, August 1998  
Enzyme Structure and Mechanism Symposium, American Society of Biochemistry and Molecular Biology Annual Meeting, August 1997  
Penn State Summer Symposium on Molecular Biology, August 1997  
Gordon Conference on Metals in Biology, January 1997  
Gordon Conference on Quinone and Redox-Active Amino Acid Cofactors, May 1997

Lecturer, NSF-Inorganic Biochemistry Summer Workshop, Athens, GA, 1996  
Lecturer, International Conference on Copper Proteins, Manziiana, Italy, 1995  
Repligen Award Symposium, National American Chemical Society Meeting, Washington, DC, 1994

#### FUNDING SUMMARY:

##### *Current Support*

**\$1,340,192** Structures, Mechanisms and Biogenesis of Amine Oxidases, NIH GM27659, 9/06-8/10.

**\$540,000** Mechanism and Structure of Nitrous Oxide Reductase, NSF MCB 0744289

**\$255,448** Assessment of the Efficacy and Mechanism of Action of Selected Inhibitors (inhibitors synthesized at Case Western Reserve), NIH GM-48812 (PI Sayre, Case Western Reserve) subcontract to DM Dooley 4/06-4/09

##### *Past Support*

**\$5,958,716** Research support from NIH, NSF, American Heart Association, USDA, MAES, Petroleum Research Fund, and Research Corporation

**\$4,215,095** Institutional support for graduate training (NSF) and multiple awards for scientific equipment

#### RECENT PROFESSIONAL SERVICE:

**2005 –** Scientific Advisory Board, Viamet Pharemaceuticals  
**2004 –** Editorial Advisory Board, *Journal of Biological Inorganic Chemistry*  
**2003-2008** Council, Society for Biological Inorganic Chemistry  
**1999-2003** Member of Metallobiochemistry Study Section, NIH  
**1998-1999** U.S. Organizing Committee, 10<sup>th</sup> International Symposium on Vitamin B<sub>6</sub> and Carbonyl Catalysis and 4<sup>th</sup> Meeting on PQQ and Quinoproteins  
**1998-2002** Editorial Advisory Board, *Journal of Biological Inorganic Chemistry*  
**1997-2000** Metabolic Biochemistry Review Panel, NSF  
**1993-1999** Head, Department of Chemistry and Biochemistry  
**1983-1998** Ad-hoc reviewer for various NIH Study Sections

## **PUBLICATIONS: (145 Total)**

1. Kinetics and Spectroscopic Evidence that the Cu(I) – Semiquinone Intermediate Reduces Molecular Oxygen in the Oxidative half-Reaction of *Arthrobacter globiformis* Amine Oxidase, Shepard, E.M., Okonski, K.M., and Dooley, D.M., *Biochemistry*, in press.
2. Physiological and Pharmacological Implications of the Substrate Specificity and Inhibitor Selectivity of the Copper-Containing Human Diamine Oxidase: Agmatine is a Preferred Substrate and Multiple Pharmaceutical Compounds Are Effective Inhibitors, Shepard, E. M., Elmore, B.O., Hilmer, K.M., and Dooley, D. M. to be submitted.
3. Formation of the Cysteine 228–Tyrosine 272 Cofactor Crosslink in Galactose Oxidase Does Not Require Dioxygen, Rogers, M.S., Hurtado-Guerrero, R., Firbank, S.J., Halcrow, M.A., Dooley, D.M., Phillips, S.E.V., Knowles, P.F., and McPherson, M.J., *Biochemistry*, in press (2008).
4. Pathway for Heme Uptake from Human Methemoglobin by the Iron-Regulated Surface Determinants System of *Staphylococcus aureus*, Zhu, H., Xie, G., Liu, M., Olson, J.S., Dooley, D.M., and Lei, B., *J. Biol. Chem.* 283 (26), 18450-18460 (2008).
5. Complexes of the copper-containing amine oxidase from *Arthrobacter globiformis* with the inhibitors benzylhydrazine and tranylcypromine, Langley, D.B, Trambaiolo, D.M., Duff, A.P., Dooley, D.M., Freeman, H.C., Guss, J.M., *Acta Crystallogr. F. Struct. Biol. Cryst. Commun.*, F64, 577-583 (2008)
6. Enantiomer-specific binding of ruthenium(II) molecular wires by the amine oxidase of *Arthrobacter globiformis*, Langley, D.B., Brown, D.E., Cheruzel, L.E., Contakes, S.M., Duff, A.P., Hilmer, K.M., Dooley, D.M., Gray, H.B., Guss, J.M., Freeman, H.C., *J. Amer. Chem. Soc.*, 130(25), 8069-8078 (2008).
7. The Mechanism of Molecular Oxygen Reduction Catalyzed by Copper Amine Oxidases, Mukherjee, A., Brown, D.E., Lanci, M.P., Brinkley, D.W., Shepard, E.M., Dooley, D.M., and Roth, J.P., *J. Amer. Chem. Soc.*, 130(29), 9459-9473 (2008).
8. Direct Hemin Transfer from IsdA to IsdC in the Iron-Regulated Surface Determinant (Isd) Heme Acquisition System of *Staphylococcus aureus*, Liu, M., Tanaka, W.N., Zhu, H., Xie, G., Dooley, D.M., and Lei, B., *J. Biol. Chem.* 283 (11), 6668-6676 (2008).
9. Systematic Development of Computational Models for the Catalytic Site in Galactose Oxidase: Impact of Outer Sphere Residues on the Geometric and Electronic Structures, Rokhsana, D., Dooley, D.M., and Szilagy, R. K., *J. Biol. Inorg. Chem.*, 13(3) 371-383 (2008).
10. Bis-Methionine Ligation to Heme Iron in the Streptococcal Cell surface Protein Shp Facilitates Rapid Hemin Transfer to HtsA of the HtsABC Transporter, Ran, Y., Zhu, H., Fabian, M., Olson, J.S., Aranda IV, R., Phillips, Jr., G.N., Dooley, D.M., and Lei, B. *J. Biol. Chem.*, 282(43), 31380-31388 (2007).
11. Anaerobic Purification, Characterization and Preliminary Mechanistic Study of Recombinant Nitrous Oxide Reductase from *Achromobacter cycloclastes*, Fujita, K., Chan, J.M., Bollinger, J.A., Alvarez, M.L. and Dooley, D.M. *J. Inorg. Biochem.*, 101, 1846-1844 (2007).
12. Spectroscopic, Computational, and Kinetics Studies of the  $\mu_4$ -Sulfide Bridged Tetranuclear  $\text{Cu}_2$  Cluster in  $\text{N}_2\text{O}$  Reductase: pH Effect on the Edge Ligand and its Contribution to Reactivity. Ghosh,

- S., Gorelsky, S.I., George, S.D., Chan, J.M., Cabrito, I., Dooley, D.M., Moura, J.J.G., Moura, I., and Solomon, E.I. *J. Amer. Chem. Soc.*, 129(13), 3955-3965 (2007).
13. The Stacking Tryptophan of Galactose Oxidase: A Second Coordination Sphere Residue that Has Profound Effects on Tyrosyl Radical Behavior and Enzyme Catalysis. Rogers, M.S., Tyler, E.J., Akyumani, N., Deacon, S.E., Tamber, S., Firbank, S.J., Mahmoud, K., Knowles, P.F., Phillips, S.E.V., McPherson, M.J., and Dooley, D.M. *Biochemistry*, 46(15) 4606-4618 (2007).
  14. Insights into the Mechanism of N<sub>2</sub>O Reduction by Reductively Activated N<sub>2</sub>O Reductase from Kinetics and Spectroscopic Studies of pH Effects. Fujita, K. and Dooley, D.M. *Inorg. Chem.*, 46(3), 613-615 (2007).
  15. Structural Refinement of the Oxidized Active Site of Galactose Oxidase from Realistic *In Silico* Models. Rokhsana, D., Dooley, D.M., and Szilagyi, R.K. *J. Amer. Chem. Soc.*, 128(49), 15550-15551 (2006).
  16. A C-Terminal Disulfide Bond in the Copper-Containing Amine Oxidase from Pea Seedlings Violates the Two-Fold Symmetry of the Molecular Dimer. Duff, A.P., Langley, D.B., Dooley, D. M., Freeman, H.C., and Guss, J.M. *Acta. Crystallogr. F. Struct. Biol. Cryst. Commun.*, F62, 1168-1173 (2006).
  17.  $\pi$ - $\pi$  Interactions between an Aromatic Ring and Copper-Coordinated His81 Imidazole Regulates the Blue Copper Active Site Structure. Abdelhamid, R.F., Obara, Y., Uchida, Y., Hori, H., Brown, D.E., Dooley, D.M., Fukui, K., and Kohzuma, T. *J. Biol. Inorg. Chem.*, 12(2), 165-173 (2007).
  18. The 1.23 Å Structure of *Pichia Pastoris* Lysyl Oxidase Reveals a Lysine-Lysine Cross-Link. Duff, A.P., Cohen, A.E., Ellis, P.J., Hilmer, K., Langley, D.B., Dooley, D.M., Freeman, H.C., and Guss, J.M. *Acta. Crystallogr. D. Biol. Crystallogr.* 62(Pt 9), 1073-1084 (2006).
  19. Structural Studies of NosL, an Accessory Protein of Nitrous Oxide Reductase: Insights from Structural Homology with MerB, a Mercury Resistant Protein. Taubner, L.M., McGuirl, M.A., Dooley D.M., and Copié, V. *Biochemistry*, 45(40), 12240-12252 (2006).
  20. Intramolecular Electron Transfer Between Active-Site Copper and Topa Quinone in *Arthrobacter globiformis* Amine Oxidase, Shepard, E.M. & Dooley, D.M. *J. Biol. Inorg. Chem.*, 11, 1039-1048 (2006).
  21. The Mechanism of Direct Heme Transfer from the Streptococcal Cell Surface Protein Shp to HtsA of the HtsABC Transporter. Nygaard, T.K., Blouin, G.C., Liu, M., Fukumura, M., Olson, J.S., Fabian, M., Dooley, D.M., Lei, B. *J. Biol Chem*, 281(30), 20761-20771, (2006).
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