Kim R. Dunbar

University Distinguished Professor and Davidson Professor of Science
Department of Chemistry, Texas A&M University
College Station, Texas 77842-3012

Education

B.S. Chemistry, 1980, Westminster College
Ph.D. Inorganic Chemistry, 1984, Purdue University
Postdoctoral Research Associate, Inorganic Chemistry, 1985-1986, Texas A&M University

Professional Experience and Appointments

The Davidson Chair of Science, 2016, Texas A&M University
Wilsmore Fellow/Visiting Professor, University of Melbourne, Australia, 2011
Visiting Professor, Institut Le Bel, Iniversité de Strasbourg, France, 2011
University Distinguished Professor of Chemistry, Texas A&M University, 2007 - present
Davidson Professor of Science, 2004, Texas A&M University
Professor 1999, Texas A&M University
University Distinguished Professor 1998-1999, Michigan State University
Assistant Prof. 1987-1990, Associate Prof. 1991-1992, Prof, 1993-1998, Michigan State University
Postdoctoral Research Fellow 1985-1986, Texas A&M University
Research and Teaching Assistant 1980-1984, Purdue University

Honors and Distinctions

- Presidential Award for Service to NOBCChE and the STEM Community at the 42nd Annual "Bridging Generations Through STEM" Conference, Orlando, Florida September 22-26, 2015.
- ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry, 2015
- Plenary Lecturer, Challenges in Inorganic and Materials Chemistry, Royal Society, July 2, 2014
- Plenary Speaker, Zing Coordination Chemistry Conference, Cancun, December 8, 2013
- Plenary Speaker 48° Congreso Mexicano de Química and 32° Congreso Nacional de Educación Química, Guanajuato, Gto., Mexico, September 4, 2013
- Keynote Lecturer, Celebration of Science,Texas Woman's University, March 22, 2013
- Inaugural Eminent Scholar Award, Texas A&M University Women Former Students' Network, 2012
- Westminster College Commencement Address, 2012
- Honorary Degree, Westminster College, PA, 2012 (ranked first in the nation as "Best College for Women in Science, Technology, Engineering and Math"STEM fields, 2012 — *Forbes.com*).
- Distinguished Achievement Award in Research, Association of Former Students, Texas A&M, 2012
- Wilsmore Fellow, University of Melbourne, Australia 10/07/11 - 12/23/11
- Visiting Professor, Institut Le Bel, Université de Strasbourg, France 6/11; 9/11
- Elected Fellow, American Chemical Society, 2011
- Featured Editorial in *Angewandte Chemie*, Women in Chemistry, 2011
- Featured Author in *Angewandte Chemie*, Author Profile Series for 2010
- Keynote Lecturer, ICMM 2010 "12th International Conference on Molecule-Based Magnets" Beijing, People's Republic of China, 2010
- Prins Lecturer, Syracuse University, New York, 2009
- Keynote Lecturer, Second Asian Coordination Chemistry Conference, Nanjing, PRC, 2009
- Frontiers Lecturer, Case Western Reserve University, Ohio, 2008
- Ken and Nancy Long Lectureship, Westminster College, PA, 2008
- Association of Former Students Inaugural Distinguished Achievement Award in Graduate Mentoring, 2006
- Purdue University Department of Chemistry Distinguished Alumna Award, 2004
- Fellow, American Association for the Advancement of Science, 2004
- NSF Creativity Extension Awards; 1995-1996; 2002-2004

Honors and Distinctions (continued)

- Distinguished Alumni Award, Westminster College, 2000
- "3em ciecle en chimie" Lecturer in Switzerland: 2001 and in 2010
- Distinguished Faculty Award, Michigan State University, 1998
- Plenary Lecturer XXXIII ICCC Conference, Florence, Italy, 1998
- Sigma Xi Research Award, Michigan State University, 1998
- Fellow of the Alfred P. Sloan Foundation, 1992-1995
- Camille and Henry Dreyfus Teacher-Scholar Award, 1991-1995
- University Teaching Award, Michigan State University, 1990
- Sigma Xi 1984, Top Thesis Award, Purdue University
- 3M Fellowship, Purdue University, 1980-1982
- Lubrizol Foundation Award, Westminster College, 1980
- Analytical Chemists of Pittsburgh Award in College Chemistry, 1980
- Eastman Kodak Award in College Chemistry, 1979

Professional Affiliations and Service

- *Associate Editor* for the ACS journal *Inorganic Chemistry*, 2002 - present
- *Fellow*, American Institute of Chemists
- *Fellow*, American Association for the Advancement of Science
- American Chemical Society Activities
  - *Member-At-Large*, Executive Committee of the Division of Inorganic Chemistry, 2016-2018
  - *ACS Expert*, 2012 (outreach for ACS communications to non-scientists)
  - *ACS Fellow*, 2011
  - *Chair*, ACS Division of Inorganic Chemistry, 2007
  - *Chair*, ACS Texas A&M Local Section, 2006: Michigan State Local Section, 1996
  - *Secretary*, ACS Division of Inorganic Chemistry, 2002-2004
  - *Councilor*, ACS Division of Inorganic Chemistry, 1995-1997
  - *President*, MSU Local Chapter, 1993-1995
  - *Minority Affairs Committee*, 1996-2000
  - *ACS Scholars Program Selection Committee*, 1996-2000
  - *Canvassing Committee ACS Award in Inorganic Chemistry*, 1995-1998 (Chair, 1998)
  - *Regional Mentor, ACS Minority Scholars Program, Texas A&M University*
- Inorganic Gordon Conference Chair, 1999 (Vice-Chair, 1998)
- Kappa Mu Epsilon National Mathematics Honor Society
- New York Academy of Sciences
- Phi Lambda Upsilon National Chemical Honorary, Nu Chapter
- Sigma Xi Chemical Honorary
- TAMU Department of Chemistry, Faculty Advisor, National Organization for the Advancement of Black Chemists and Chemical Engineers (NOBBChE) 2013-present
- TAMU Faculty Adviser, Alliance for Diversity in Science an Engineering (ADSE) Chapter 2015-present

Panels:

- Dean of Faculties Faculty Mentoring Development Series for 2015-16
- National Science Foundation CCI Solar Fuels Site Visit Panel, California Institute of Technology, 2015
- Energy Research Frontier Centers Evaluation Panel, BES, Materials Science and Engineering, 2015
- Evaluation Panel, ICIQ International Postdoctoral Mobility Program, Spain, 2014
- National Research Council Research Associateship Program Panel, 2013
- Harvard University, President Advisory Panel, 2011
- NSF Chemistry Division Proposal Panel, 2010

- US evaluator of the European COST program "*From Molecules to Molecular Devices*" 2006-2010
- Evaluation of Inorganic Chemistry for Vetenskapsrådet, Swedish Research Council, Stockholm, 2008
- ACS Scholars Program, 1996-1998
- NSF POWRE Program, 1998
- NIRT/NSF Proposal Review Panel, Panel Chair, 2003
- NASA Sharp Plus Mentor, 2001
- NSF Postdoctoral Research Fellowships in Chemistry, 1991

Editorships, Editorial & Advisory Boards

- Associate Editor, *Inorganic Chemistry*, 2002-present
- Advisory Boards: *Reviews in Inorganic Chemistry, Polyhedron, Comptes Rendus Chimie*
  Past: *Accounts of Chemical Researh, Crystal Engineering, European Journal of Inorganic Chemistry, Inorganic Chemistry, Inorganic Chemistry Communications, CHEMTRACTS*
- American Advisor for MolMAGNet, European Funding Network on Research in Magnetism
- European COST D35 Program Evaluation Committeee
- Member of the Council, Gordon Research Conferences
- NSF Advisory Board on Research Misconduct in Biochemistry, Chemistry and Microbiology
- International Advisory Board for the International Conference on Molecule-Based Magnets 2000-present

University Committees:

- College of Science Dean Search Committee, 2002
- Chemistry Department Head Search Committee, 2005
- Davidson Chair Committee, 2006
- Chemistry Department, Research Infrastructure Committee, 2008
- Search Advisory Committee, Dean of Faculties & Associate Provost, 2009
- Association of Former Studens Teaching Award Committee (Chair), 2010
- Vision 2020 Mid-Term Review Imperative 4 Study Team (IST), 2011
- Association of Former Students Committee for Teaching Awards 2009-2010
- Distinguished Professors Executive Committee, 2011 – present
- Eminent Scholar Award Selection Committee, 2012 – present
- Distinguished Professors Selection Committee, 2016
- TIAS Advisory Committee, 2016

Journals and Books Edited:

1. Guest Editor, *Polyhedron*, 2001
2. Guest Editor, *Journal of Solid State Chemistry*, 2001
3. Guest Editor, *Inorganica Chimica Acta*, 2001
4. Guest Editor, *Forum Issue on Molecule Magnetism*, *Inorganic Chemistry*, 2009
5. Editor, *Virtual Issue "Quantum Molecular Magnets", ACS journals, J. Am. Chem. Soc., J. Phys. Chem. A, Inorg. Chem., 2012*

Patents

M. Wriedt, D. Aulakh, J.B. Pyser, K.R. Dunbar & X. Zhang, Full Patent filed on May 23, 2016, Application# 15161828, Title: "Method and System for Controlled Nanostructuring of Nanomagnets"

Consulting:

- FDA, 2001-present
- Ebewe Pharma, 2009
- Sandoz, Inc., 2009
- MN Pharmaceuticals, 2009
- PAR Pharmaceutical Companies, Inc., 2009
- PAR Pharmaceutical Inc., 2009
- Mylan Inc., Natco Pharma Ltd., 2009
- Barr Laboratories, 2010
- Barr Laboratories, 2011

University Seminars and Colloquia

1.	University of Toledo	September 23, 1987
2.	Wayne State University	September 24, 1987
3.	Bowling Green State University	April 6, 1988
4.	University of Akron	May 2, 1989
5.	Kalamazoo College	October 24, 1989
6.	Arizona State University	November 27, 1989
7.	University of Sussex	July 5, 1990
8.	Oxford University	July 6, 1990
9.	University of California at Davis	October 9, 1990
10.	University of California at Berkeley	October 11, 1990
11.	Stanford University	October 12, 1990
12.	The Ohio State University	October 25, 1990
13.	Calvin College	November 8, 1990
14.	Hope College	November 9, 1990
15.	Purdue University	November 15, 1990
16.	Indiana University	November 16, 1990
17.	Oakland University	January 30, 1991
18.	University of Michigan	March 11, 1991
19.	Kent State University	October 17, 1991
20.	Ohio Wesleyan University	November 14, 1991
21.	The College of Wooster	March 1, 1992
22.	Louisiana State University	February 19, 1993
23.	University of Illinois	April 20, 1993
24.	State University of New York at Buffalo	May 5, 1993
25.	University of Delaware	May 20, 1993
26.	Texas A&M University	October 19, 1993
27.	University of Texas at Austin	October 20, 1993
28.	University of Minnesota	November 18, 1993
29.	Arizona State University	March 12, 1994
30.	University of Zaragoza, Spain	November 11, 1994
31.	Université Paris Pierre et Marie Curie Institute, France	November 25, 1994
32.	National Hellenic Research Institute, Greece	November 28, 1994
33.	University of Athens, Greece	November 29, 1994
34.	University of Crete, Greece	November 30, 1994
35.	Coordination Chemistry Insititute, Université de Toulouse, France	September 21, 1995
36.	University of Northern Illinois	September 25, 1995
37.	University of Wisconsin, Madison	November 20, 1995
38.	The University of Pennsylvania	April 9, 1996

University Seminars and Colloquia (continued)

39. The University of Maryland	April 10,1996
40. The University of Utah	April 23, 1996
41. Utah State University	April 24, 1996
42. The University of California at Irvine	May 23, 1996
43. The University of California, San Diego	May 24, 1996
44. Oberlin College, Ohio	October 12,1996
45. California Institute of Technology	November 11, 1996
46. University of California, Los Angeles	November 12, 1996
47. The University of Pittsburgh	March 7, 1997
48. Université de Nantes, Institut de Materiaux, France	April 30, 1997
49. University of Valencia, Spain	May 10, 1997
50. Kinki University, Japan	August 11, 1997
51. The University of New Orleans, Advanced Materials Research Inst.	October 10, 1997
52. Harvard/MIT Inorganic Seminar	October 29, 1997
53. Carnegie Mellon University	November 4, 1997
54. The University of Chicago	November 14, 1997
55. Texas A&M University	December 1, 1997
56. The University of Wisconsin	February 9, 1998
57. The Ohio State University	February 26, 1998
58. The University of Georgia	April 21, 1998
59. The University of California at Davis	May 7, 1998
60. The University of California at Berkeley	May 8, 1998
61. Purdue University	October 22, 1998
62. Notre Dame University	December 3, 1998
63. Central Michigan University	April 26, 1999
64. University of British Columbia, Vancouver	November 15, 1999
65. Simon Fraser University	November 16, 1999
66. University of Victoria	November 17, 1999
67. University of Edmonton	November 18, 1999
68. Westminster College	October 5, 2000
69. Louisiana State University	October 4, 2001
70. University of California at San Diego	October 19, 2001
71. University of Illinois, Urbana-Champaign	November 17, 2001
72. Osaka City University, Osaka, Japan	November 17, 2001
73. The University of Pittsburgh	December 21, 2001
74. Iowa State University	May 1-2, 2002
75. The University of Iowa	May 3, 2002
76. Yale University	October 9, 2003
77. Southern Methodist University	February 2, 2004
78. California Institute of Technology	March 1, 2004
79. North Carolina State University	May 7, 2004
80. Purdue University	October 21, 2004
81. Michigan State University	November 4, 2004
82. University of Kentucky	March 25, 2005
83. Baylor University	April 1, 2005
84. University of Tennessee, Knoxville	April 14, 2005
85. Institut de Nanotechnologie, Karlsruhe, Germany	July 6, 2005
86. Virginia Tech	September 16, 2005
87. The Ohio State University	November 18, 2005
88. Emory University	January 24, 2006
89. The University of North Texas	March 31, 2006
90. The University of Washington	May 9, 2006

University Seminars and Colloquia (continued)

91. Case Western Reserve University	February 28, 2008
92. Westminster College	October 29, 2008
93. Princeton University	November 4, 2008
94. Kyoto University, Kyoto, Japan	January 10, 2009
95. Tongji University, Shanghai, People's Republic of China	April 16, 2009
96. Fudan University, Shanghai, People's Republic of China	April 20, 2009
97. Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences Shanghai, People's Republic of China	April 21, 2009
98. Jiao Tong University, Shanghai, People's Republic of China	April 21, 2009
99. Nanjing University, State Key Laboratory of Coordination Chemistry	April 22, 2009
School of Chem & Chem. Engineering, Nanjing, People's Republic of China	April 24, 2009
100. Wuhan University, Wuhan, People's Republic of China	April 25, 2009
101. Peking University, College of Chemistry and Molecular Engineering	April 27, 2009
Beijing, People's Republic of China	April 28, 2009
102. Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, Beijing, People's Republic of China	April 28, 2009
103. Prins Lecture, Syracuse University, Syracuse, New York	September 21, 2009
104. Rice University, Houston, Texas	September 30, 2009
105. State key Laboratory of Rare Earth Materials & Applied Chemistry, Inst. of Inorganic Chemistry, Peking University, People's Republic of China	November 6, 2009
106. Fujian Institute of Research on the Structure of Matter, Fuzhou, People's Republic of China	November 8, 2009
107. Department of Chemistry, Hong Kong University Hong Kong, China	November 9, 2009
108. Sun Yat Sen University, Guangzhou, People's Republic of China	November 13, 2009
109. The University of Michigan, Ann Arbor	February 23, 2010
110. Wayne State University, Detroit, Michgian	February 24, 2010
111. Michigan State University, East Lansing, Michigan	February 25, 2010
112. University of California at Berkeley	April 9, 2010
113. Harvard University, R.B. Woodward Lectures in the Chemical Sciences	April 21, 2010
114. Boston University Colloquium	April 23, 2010
115. Fribourg University, Switzerland	May 25, 2010
116. Fribourg University, Switzerland	May 26, 2010
117. University of Bern, Switzerland	May 27, 2010
118. University of Lausanne, Switzerland	May 28, 2010
119. University of Basel, Switzerland	May 31, 2010
120. Florida State University	November 19, 2010
121. University of Calgary, Canada	March 25, 2011
122. Ben-Gurion University of the Negev, Beer-Sheva, Israel	May 16, 2011
123. University of Strasbourg, Institut Le Bel (Visiting Prof. Lecture 1)	July 5, 2011
124. University of Strasbourg, Instiutut Le Bel (Visiting Prof. Lecture 2)	July 7, 2011
125. University of Strasbourg, Institut Le Bel (Visiting Prof. Lecture 3)	September 19, 2011
126. University of Manchester	September 23, 2011
127. University of Melbourne, Wilsmore Fellow Seminar, Australia,	November 8, 2011
128. University of Melbourne, Australian Chemical Society Seminar, Australia	November 10, 2011
129. Monash University, Australia	November 14, 2011
130. La Trobe University, Australia	November 15, 2011
131. University of Sydney, Australia	November 18, 2011
132. University of South Wales, Australia	November 22, 2011
133. University of Melbourne, Australia, Australian Chemical Society	November 23, 2011
134. University of Florida, Gainesville, FL	April 22, 2013
135. University of Pennsylvania, Philadelphia, PA	September 24, 2013
136. Northwestern University, Evanston, IL	November 22, 2103

Invited Lectures at Industrial and National Laboratories

1. Los Alamos National Laboratories — May 12, 1989
2. Amoco Research Center — June 19, 1991
3. Los Alamos National Laboratories — June 23, 1993
4. Dupont Central Research — April 8, 1996
5. Johnson-Matthey — June 25, 2001
6. IUCCP Texas A&M Meeting, College Station, TX — April 25, 2002
7. The Food and Drug Administration — October 14, 2003
8. Los Alamos National Laboratories (External Reviewer for LDRD Project) — May 18-22, 2005

Plenary, Keynote Lectures and Lectureships

1. Distinguished Alumni Lecturer, Westminster College, PA — October 19, 1990
2. XXXI ICCC Conference, Vancouver, Canada — August 18, 1996
3. 59th Okazaki Conference *Molecular Architecture and Function of Inorganic Self-Assembled Multilayers* — August 7, 1997
4. *Barnett Rosenberg Symposium*, Michigan State University — August 23, 1997
5. NATO Workshop *Supramolecular Engineering of Synthetic Metallic Materials* — January 10-14, 1998
6. Plenary Lecturer XXXIII ICCC Conference, Florence, Italy — August 30, 1998
7. *Vith Int'l Conference on Molecule-Based Magnets*, Seignosse, France — September 12-17, 1998
8. First European Workshop on *Design, Synthesis, and Supramolecular Chemistry of Open-Shell Materials*, Training and Mobility of Researchers, Sitges, Spain — March 5-7, 1999
9. 18th Congress and General Assembly of the International Union of Crystallography Glasgow, Scotland — August 4-13, 1999
10. *Pacifichem 2000*, Honolulu, Hawaii — December 16, 2000
11. "3em ciecle en chimie" Switzerland: Bern, Geneva, Lausanne, Neuchatel — May 12-20, 2001
12. International Symposium on *Cooperative Phenomena of Assembled Metal Complexes*, Tokyo, Japan — November 15, 2001
13. Germany Universities Lecture Tour Goettingen, Muenster, Bielefeld, Muelheim, Karlsruhe — December 2-8, 2003
14. MAGMANet-ECMM European Conference on *Molecular Magnetism* Tomar, Portugal — October 10-15, 2006
15. National Conference on Inorganic Chemistry, South Africa — July 8-12, 2007
16. Frontiers Lecturer, Case Western Reserve University, Ohio — February 28, 2008
17. Ken and Nancy Long Lectureship, Westminster College, PA — October 29, 2008
18. Keynote Lecturer, Second Asian Coordination Chemistry Conference Nanjing, People's Republic of China — November 1, 2009
19. Prins Lecturer, Syracuse University, New York — September 21, 2009
20. Keynote Lecturer, ICMM 2010 "The 12th International Conference on Molecule-Based Magnets" Beijing, People's Republic of China — October 8, 2010
21. "3em ciecle en chimie" Switzerland: Fribourg, Bern, Lausanne, Basel — May 25-31, 2010
21. Westminster College Commencement Address — May 19, 2012
22. Keynote Lecture, Celebration of Science at Texas Women's University — March 22, 2013
23. Plenary Speaker 48° Congreso Mexicano de Química and 32° Congreso Nacional de Educación Química, Guanajuato, Gto., Mexico — September 4, 2013
24. Plenary Speaker, Zing Coordination Chemistry Conference, Cancun — December 8, 2013
25. Plenary Lecturer, Challenges in Inorganic and Materials Chemistry Royal Society of Chemistry, Dublin, Ireland — July 2, 2014

Plenary, Keynote Lectures and Lectureships (continued)

26. Keynote Speaker at 1st International Symposium on Clinical and Experimental Metallodrugs in Medicine: Cancer Chemotherapy", U. of Hawaii Cancer Center — December 13-15, 2015
26. Plenary Speaker 5th Zing Coordination Chemistry Conference, Ho Chi Minh City, Vietnam — June 17-20, 2016
27. Keynote Speaker, ICMM2016 "15th International Conference on Molecule-Based Magnets"Sendai International Center, Sendai, Japan — September 4-8, 2016
28. Walton Lecture, Endowed Lecture, Purdue University — November 3, 2016

Invited Conference, Symposia and Workshop Presentations

1. Michigan Science Teachers Association, Lansing, MI — February 17, 1990
2. *International Conference on Platinum Group Metals*, Cambridge, UK — July 12, 1990
3. Inorganic Gordon Conference, Brewster Academy, NH — August 1, 1991
4. *Sixteenth NSF Organometallic Chemistry Workshop*, Snowbird, UT — April 15, 1992
5. Gordon research Conference on Organometallic Chemistry, Salve Regina, RI — July 12, 1993
6. *First NSF Workshop on Materials*, Albuquerque, NM — October 23, 1993
7. ACS *Symposium on Organometallic Materials* — August 22, 1994
8. Southeast Regional ACS Meeting, Birmingham, AL *Symposium on New Directions in Phosphine Chemistry* — October 17, 1994
9. *Ivth Int'l Conference on Molecule Based Magnets*, Salt Lake City, UT — October 20, 1994
10. *Symposium on Contemporary Inorganic Chemistry*, Texas A&M — March 15, 1995
11. ACS Central Regional, *Symposium on Metal-Triple Bonds* — May 27, 1997
12. ACS Great Lakes Regional, *Symposium on Advances in Materials Science* — May 30, 1997
13. Inorganic Gordon Conference, Salve Regina, RI — July 25, 1997
14. *Barnett Rosenberg Symposium*, Michigan State University — August 23, 1997
15. *5th NSF Materials Chemistry Workshop*, Pasadena, CA — October 17, 1997
16. *Priestley Medal Symposium* in honor of F.A. Cotton, Dallas, TX — March 31, 1998
17. *NSF Inorganometallic Workshop*, Knoxville, TN — June 11-14, 1998
18. ACS *Symposium on Synthesis of New Materials by Coordination Chemistry, Self-Assembly and Template Formation,* Anaheim, CA — March 21-25, 1999
19. ACS *Inorganic Chemistry Award Symposium*, Anaheim, CA — March 23, 1999
20. ACS *Award for Distinguished Service in Inorganic Chemistry*, Anaheim, CA — March 24, 1999
21. ACS *Award for the Chemistry of Materials* honoring Joel S. Miller, San Francisco, CA — March 25-29, 2000
22. ACS *Award for the Chemistry of Organometallics* honoring F.A. Cotton, San Diego, CA — April 1-5, 2001
21. ACS 56th Northwest Regional Meeting, Seattle, WA — June 14-17, 2001
22. Gordon Research Conference, *Chemistry of Supramolecules & Assembilies* New London, CT — July30, 2001
23. Molnanomag, *Synthetic strategies for new spin topologies*, Paris, France — March 7-9, 2002
24. NSF US-Italy Workshop, *Nanoscale Science & Technology*, Washington, DC — March 14-16, 2002
25. NSF Nanomaterials Steering Committee, Washington, DC — September 25, 2002
25. *VIIIth International Conference on Molecule-based Magnets*, Valencia, Spain — October 5-10-2002
26. NSF, *Nanoscale Science and Engineering Grantees Conference*, Arlington, VA — December 11, 2002
27. NATO, *Advanced Study Institute*, Corfu, Greece — April 30, 2003
28. Gordon Research Conference, *Inorganic Chemistry*, Newport, RI — July 13-18, 2003
29. Symposium, University of Florida, Gainesville, FL — July 25-27, 2003
30. NSF *Workshop on Reticular Chemistry, 2003*, San Diego, CA — November 20, 2003
31. NSF *Foundations of Nanoscience: Self-Assembled Architectures and Devices (FNANO)*, Snowbird, UT — April 21-23, 2004
32. *SNS Single-Crystal Diffractometer/Topaz IDT Meeting*, Oakridge National Lab — April 18-19, 2005
33. Pacifichem 2005-*Magnetism: Molecules to Functional Materials*, Honolulu, HI — December17, 2005
34. DOE-*Committee of Visitors for BES Materials*, Germantown, MD — April 2-5, 2006

Invited Conference, Symposia and Workshop Presentations (continued)

35. Atlanta ACS Symposium: *George C. Pimentel Award in Chemical Education – Symposium in honor of F. Albert Cotton* — March 26-30, 2006
36. The 235th ACS National Meeting, New Orleans: *Metal-Organic Frameworks: What are They Good for?* — April 6-10, 2008
37. The 235th ACS National Meeting, New Orleans: *Cotton Memorial Symposium* — April 6-10, 2008
38. The *2nd Workshop on Current trends in Nanoscopic and Mesoscopic Magnetism* Delphi, Greece — September 4, 2008
39. Gordon Research Conference, *Chemistry of Supramolecules & Assembilies* New London, CT — July30, 2001
39. *The 1st Global COE International Symposium on Elucidation and Design of Materials and Molecular Functions*, Nagoya University, Japan — January 13, 2009
40. Gordon Research Conference, *Inorganic Chemistry*, Biddeford, Maine — June 20-24, 2009
41. *Third Workshop on Current Trends in Molecular and Nanoscale Magnetism* Orlando, Florida — June 21 – 25, 2010
42. 242nd ACS, Denver: *50th anniversary* of the *ACS* journal *Inorganic Chemistry* — August 28, 2011
43. COSTACTION D5, Final Conference, Santa Margherita di Pula, Sardinia, Italy — September 12, 2011
44. Marie-Curie-ITN "Small" Workshop *Ethics in Science- Supramolecular Chemistry* Baden-Baden, Germany — September 20, 2011
45. *2012 International Symposium on Macrocyclic and Supramolecular Chemistry (ISMSC-7)* University of Otago, Dunedin, New Zealand — February 2, 2012
46. *62nd Fujihara Seminar "Frontiers and Perspectives in Molecule-Based Quantum Magnets*, Sendai, Japan — May 7, 2012
47. Royal Society Dalton Discussion Meeting on *Photoactivatable metal complexes from theory to therapy*, London, England — June 18, 2012
48. *Royal Society Satellite Meeting on Photoactivatable metal complexes: exciting potential in biotechnology and medicine?* Kavli Royal Society International Centre, Buckinghamshire, England — June 20, 2012
49. *4th Workshop on Current Trends in Molecular and Nanoscale Magnetism* (CTMNM 2012) Chalkidiki, Greece — June 12, 2012
50. 2012 International Conference on Molecule Based Magnets, Orlando, FL — October 9, 2012
51. The 245th American Chemical Society, New Orleans, Louisiana. *F. Albert Cotton Award in Synthetic Inorganic Chemistry in honor of Gregory H. Robinson* — April 10, 2013
52. *Fifth North America-Greece-Cyprus Workshop on Paramagnetic Materials* (NAGC 2013), Limassol, Cyprus — May 22-26, 2013
53. The 246th ACS National Meeting, Indianapolis, Indiana *Symposium: New Trends in Molecular Magnetic Materials* — September 8, 2013
54. The 247th ACS National Meeting & Exposition, Dallas, Texas *Symposium: Inorganic Supramolecular Chemistry*
55. 36th DOE Solar Photochemistry Research Meeting, Annapolis, Maryland — June 1-4, 2014
56. 2014 DOE BES Materials Chemistry Principal Investigators' Meeting Office of Basic Energy Sciences, Gaithersburg, Maryland — July 14-16, 2014
57. 37th DOE Solar Photochemistry Research Meeting, Gaithersburg, Maryland — June 1-4, 2015
58. Topaz Workshop, Oak Ridge National Laboratories, Knoxville, Tennessee — June 16-17, 2015
59. Pacifichem 2015, *Frontiers of Molecular Magnetism Symposium* — December 15-20, 2015
60. Gordon Research Conference on "Crystal Engineering" Stoweflake Resort and Conference Center, Stowe, VT — June 26-July 1, 2016
61. Gordon Research Conference on "Conductivity and Magnetism in Molecular Materials", Mount Holyoke College, MA — August 14-19, 2016
61. 38th Department of Energy "Solar Photochemistry Principal Investigator's Meeting", Gaithersburg, Maryland — June 1-9, 2016

Invited Conference, Symposia and Workshop Presentations (continued)

62. Department of Energy Materials Chemistry Program "2016 biennial PI meeting" July 12-14, 2016
Gaithersburg, Maryland
63. Pre-ICMM 2016 Conference workshop, "New Research Crossroads in Molecular Conductors and Magnets", Nagoya University, Nagoya, Japan September 2-3, 2016
64. 15th International Conference on Molecule-Based Magnets, "Renassiance of Cyanide Chemistry-Lessons Learned from Two Decades of Molecular Magnetism Research" Sendai, Japan September 4-8, 2016
65. The 251st ACS National Meeting & Exposition, San Diego, California March 13-17, 2016
ACS Award in Inorganic Chemistry: Symposium in honor of Mercouri G.Kanatzidis
66. The 251st ACS National Meeting & Exposition, San Diego, California March 13-17, 2016
Memorial Symposium Honoring Karen J. Brewer
67. The 251st ACS National Meeting & Exposition, San Diego, California March 13-17, 2016
Frontiers in Heavy Element Inorganic Chemistry
68. The 251st ACS National Meeting & Exposition, San Diego, California March 13-17, 2016
F. Albert Cotton Award in Synthetic Inorganic Chemistry: Symposium in honor of Francois P. Gabbaï
69. The 251st ACS National Meeting & Exposition, San Diego, California March 13-17, 2016
Harry Gray Award for Creative Work in Inorganic Chemistry by a Young Investigator: Symposium in honor of Eric J. Schelter (Dunbar TAMU Ph.D. student)
65. 72nd Annual ACS Southwest Regional Meeting, Galveston, TX, November 10-13, 2016
Symposium on bioinorganic chemistry

Conferences, Symposia and Workshops Organized or Co-Organized

1. American Chemical Society-Division of Inorganic Chemistry March 24-28, 1996
Symposium on Inorganic/Organic Hybrid Materials, New Orleans, LA
2. Vice-Chair, Inorganic Gordon Conference July 19-24, 1998
3. American Chemical Society Division of Chemical Education August 22-26, 1999
Frontiers in Materials Based on Molecular Building Blocks, New Orleans, LA
4. Chair, Inorganic Gordon Conference July 18-23, 1999
5. Co-Chair, *VIIth International Conference on Molecule-Based Magnets* September 16-21, 2000
6. *Pacifichem 2000* (co-chair with Professor Susumu Kitagawa, Kyoto, Japan) December 14-19, 2000
Metal-Based Assemblies with Inorganic-Organic Hybrid Electronic Structures
7. NSF, *Workshop on Future Directions of Solid State Chemistry* October 13, 2001
8. ACS *Symposium on Finite and Infinite Polygonal Assemblies*, Orlando, FL April 2002
9. *36th International Conference on Coordination Chemistry*, Merida, Mexico July18-23, 2004
10. San Diego ACS Meeting Symposium: *The Metal-Cyanide Renaissance, On the Tricentennial of the Synthesis of Prussian Blue* March 13-17, 2005
11. Atlanta ACS Meeting Symposium: *George C. Pimentel Award in Chemical Education – Symposium in honor of F. Albert Cotton* March 26-30, 2006

Publications 1983-present

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21. A Series of Monomeric Rhodium Complexes Stabilized by an Identical Ligand Set: Preparation and Structural Characterization of $[Rh(TMPP)_2]^{n+}$ (n = 1-3). K. R. Dunbar, S. C. Haefner and L. E. Pence, 198th ACS National Meeting, Miami Beach, FL, 9/89.

22. Carbon Monoxide Binding To a Paramagnetic Rh(II) Phosphine Complex. K. R. Dunbar, and S. C. Haefner, 199th ACS National Meeting, Boston, MA, 4/90, 22nd ACS Central Regional Meeting, Saginaw, MI, 6/90.

23. Chemistry of Tris(2,4,6-trimethoxyphenyl)phosphine (TMPP) With Dirhodium Tetraacetate: Synthesis, Spectroscopic and Structural Characterization of $[Rh_2(\mu\text{-}O_2CCH_3)_3(\eta^3\text{-}\mu\text{-TMPP})]^{0,1+}$. S. J. Chen and K. R. Dunbar, 199th ACS National Meeting, Boston, MA, 4/90.

24. Substitution Chemistry Of the Dirhodium (II,II) Decaacetonitrile Cation. K. R. Dunbar and L. E. Pence, 199th ACS National Meeting, Boston, MA, 4/90.

25. Synthesis and Reactivity of $(TMPP)Mo(CO)_3$ (TMPP = Tris(2,4,6-trimethoxyphenyl)phosphine). K. R. Dunbar and S. C. Haefner, 199th ACS National Meeting, Boston, MA, 4/90.

26. Chemistry of $FeCl_3$ With An Unusual Tertiary Phosphine in the Presence of Molecular Oxygen. K. R. Dunbar, S. C. Haefner and A. Quillevéré, 199th ACS National Meeting, Boston, Massachusetts, 4/90, 22nd ACS Central Regional Meeting, Saginaw, MI, 6/90.

27. Synthesis of Low-Dimensional Solids From Metal-Metal Bonded Precursors. S. L. Bartley, K. R. Dunbar, and L. E. Pence, 199th ACS National Meeting, Boston, Massachusetts, 4/90, 22nd ACS Central Regional Meeting, Saginaw, MI, 6/90.

28. Reactions of Trinuclear Carbonyl Clusters With Tris(2,4,6-trimethoxyphenyl)phosphine. S. J. Chen and
K. R. Dunbar, 199th ACS National Meeting, Boston, Massachusetts, 4/90, 22nd ACS Central Regional Meeting, Saginaw, MI, 6/90.

29. Synthesis and Characterization of Novel Solvated Transition Metal Species. K. R. Dunbar, L. E. Pence, and A. Quillevéré, 199th ACS National Meeting, Boston, Massachusetts, 4/90, 22nd ACS Central Regional Meeting, Saginaw, MI, 6/90.

30. Photodissociation and Redox Reactivity of the Rh-Rh Bond in $[Rh_2(NCCH_3)_{10}]^{4+}$. Reversible Photochemistry on the Kilosecond Timescale. W.H. Woodruff, D. E. Morris, K. R. Dunbar, L. E. Pence, R. J. Donohoe, and C. A. Arrington, Jr., 200th ACS National Meeting, Washington, D.C., 8/90.

31. Binding of 2-2'-Bipyridine to Binuclear Tetra-Carboxylate Complexes of Mo, Ru and Rh. John Matonic, Spiros P. Perlepes, John C. Huffman, Kim R. Dunbar and George Christou, 201st ACS National Meeting, Atlanta, GA, 4/91.

32. Chemistry of Trinuclear Carbonyl Clusters with Tris(2,4,6-Trimethoxyphenyl)Phosphine. Sue-Jane Chen, and Kim R. Dunbar, 201st ACS National Meeting, Atlanta, GA, 4/91.

33. Synthesis of Novel Square Planar d^7 Complexes of Rhodium with Phosphine and Isocyanide Ligands. Kim R. Dunbar and Steven C. Haefner, 201st ACS National Meeting, Atlanta, GA, 4/91.

Conference Papers (continued)

34. Synthesis and Reactivity of Homoleptic Acetonitrile Complexes of Rhodium and Iridium. Kim R. Dunbar and Laura E. Pence, 201st ACS National Meeting, Atlanta, GA, 4/91.

35. A Highly Basic Bridging Phosphino-Phenoxide Ligand Derived from Tris(2,4,6-Trimethoxyphenyl) Phosphine: Reactivity with Dimeric Carboxylate Complexes. Sue-Jane Chen and Kim R. Dunbar, 201st ACS National Meeting, Atlanta, GA, 4/91.

36. Synthesis of Conducting Materials from Binuclear Metal-Metal Bonded Precursors. Stuart L. Bartley, Kim R. Dunbar and Hoa Van Nguyen, 201st ACS National Meeting, Atlanta, GA, 4/91.

37. Reactions of Tris(2,4,6-Trimethoxyphenyl)Phosphine with $[M(NCCH_3)_6]^{2+}$ (M=Fe,Mn,Co) and Subsequent Small Molecule Chemistry. Kim R. Dunbar and Anne Quillevéré, 201st ACS National Meeting, Atlanta, GA, 4/91.

38. Binding of 2,2'-Bipyridine to the Dirhodium (II) Tetraacetate Core: Unusual Structural Features and Biological Relevance of the Product $Rh_2(OAc)_4(bpy)$. S. P. Perlepes, J. C. Huffman, J. H. Matonic, K. R. Dunbar and G. Christou, Great Lakes College Chemistry Conference, Michigan State University, 4/91.

39. Synthesis of Soft Salts From Metal-Metal Bonded Binuclear Ions: Structure and Properties of $[Rh_2(O_2CCH_3)_2(NCCH_3)_6][Re_2Cl_8]$. J. L. Clements, K. R. Dunbar, L. E. Pence, Great Lakes College Chemistry Conference, Michigan State University, 4/91.

40. Binding of 2,2'-Bipyridine to the Dirhodium (II) Tetraacetate Core: Unusual Structural Features and Biological Relevance of the Product $Rh_2(OAc)_4(bpy)$. S. P. Perlepes, J. C. Huffman, J. H. Matonic, K. R. Dunbar and G. Christou, Inorganic Gordon Conference, Brewster Academy, 8/91.

41. Towards the Synthesis of Polymeric Materials From Metal-Metal Bonded Precursors: Hybrid Charge-Transfer Complexes With Covalently Linked Donors and Acceptors. Stuart L. Bartley and K. R. Dunbar, Inorganic Gordon Conference, Brewster Academy, 8/91.

42. Chemistry of Ether-Phosphines With 3d Metals: X-Ray Structure, Electrochemistry and Reactivity of $[Co(TMPP\text{-}O)_2]$ (TMPP-*O* = Oxygen Metallated Tris-(2,4,6-Trimethoxyphenyl)Phosphine). K. R. Dunbar and Anne Quillevéré, Inorganic Gordon Conference, Brewster Academy, 8/91.

43. Synthesis and Reactivity of a Series of Novel Monomeric d^7 Rhodium Complexes Stabilized by a Multifunctionalized Ether Phosphine Ligand. Steven C. Haefner and Kim R. Dunbar, Inorganic Gordon Conference, Brewster Academy, 8/91.

44. Reactions of 2-2'-Bipyridine With Binuclear Tetra-Carboxylates of 4d Metals and Their Biological Significance. S. P. Perlepes, J. C. Huffman, J. H. Matonic, K. R. Dunbar and G. Christou, International Conference on Bioinorganic Chemistry, Oxford, England, 8/91.

45. Oxygenation Reactions of the Electron-Rich Triple Bond. Keng-Yu Shih, R. A. Walton, S. L. Bartley, and K. R. Dunbar, 203rd ACS National Meeting, San Francisco, CA, 4/92.

46. Stereospecific Interactions of Tetrakis (μ-Carboxylato) Dirhodium(II), an Antitumor Agent, with Azathioprine, a Biologically Active Mercaptopurine Derivative. Helen T. Chifotides, Kim R. Dunbar, Nikos Katsaros, John H. Matonic, and George Pneumatikakis, 203rd ACS National Meeting, San Francisco, CA, 4/92.

47. Synthesis of the Triply-Bonded Solvated Cation $[Re_2(NCCH_3)_{10}]^{4+}$ from $Re_2(O_2CC_3H_7)_4Cl_2$ and $[Re_2Cl_8]^{2-}$: Characterization of the $[BF_4]^-$ and $[Mo_6O_{19}]^{2-}$ Salts. Stuart L. Bartley, Stacey N. Bernstein, Renée C. Cooper, Kim R. Dunbar, Steven C. Haefner, Laura E. Pence, and Anne Quillevéré. 203rd ACS National Meeting, San Francisco, CA, 4/92.

48. Reactions of Solvated Cations with Tris(2,4,6-trimethoxyphenyl)phosphine: Characterization of Co(II) and Ni(II) Phosphino-Phenoxide Complexes. Kim R. Dunbar and Anne Quillevéré, 203rd ACS National Meeting, San Francisco, CA, 4/92.

Conference Papers (continued)

49. Chemistry of Fe(II) and Fe(III) with Tris(2,4,6-trimethoxyphenyl) Phosphine (TMPP): Formation of a Phosphine Oxide Adduct of $FeCl_3$ via Quaternarization of TMPP. Kim R. Dunbar and Anne Quillevéré. 203rd ACS National Meeting, San Francisco, CA, 4/92.

50. Synthesis and Reactivity of a Novel Mononuclear Rh^{II} Complex Stabilized by a Phosphino-phenoxide Ligand. Kim R. Dunbar and Steven C. Haefner, 203rd ACS National Meeting, San Francisco, CA, 4/92.

51. Synthesis of Novel Mixed-Metal Oxide Materials from Dinuclear Homoleptic Acetonitrile Precursors. Stacey N. Bernstein and Kim R. Dunbar, 203rd ACS National Meeting, San Francisco, CA, 4/92.

52. Chemistry of an Unusual Ether-Phosphine Ligand With 3d Metals. Anne Quillevéré. And Kim R. Dunbar, 29th International Conference on Coordination Chemistry, Lausanne, Switzerland, 7/92.

53. Stereospecific Interactions of Tetrakis (μ-Carboxylato) Dirhodium(II), an Antitumor Agent, with Azathioprine, a Biologically Active Mercaptopurine Derivative. Helen T. Chifotides, Kim R. Dunbar, Nikos Katsaros, John H. Matonic, and George Pneumatikakis, 29th International Conference on Coordination Chemistry, Lausanne, Switzerland, 7/92.

54. Non-Planar π-Donor Molecules With Several Redox Centers Built Around a Main-Group Element (Hg, Si P): A Novel Approach to Organic Conductors. M. Fourmigué, Y. S. Huang, S. Jarschow, P. Batail, S. L. Bartley, K. R. Dunbar, XII International Conference on Phosphorus Chemistry, Toulouse, France, 7/92.

55. Inorganic Models for the Biological Activity of Rhodium(II) Carboxylates. C.A. Crawford, S.P. Perlepes, W. E. Streib, J. C. Huffmann and G. Christou, 204th ACS National Meeting, Washington, D.C., 8/92.

56. Structural Evidence for a New Binding Mode for Guanine Bases: Implications for the Binding of Dinuclear Anti-Tumor Agents to DNA. K. R. Dunbar, John. H. Matonic, Charles A. Crawford, George Christou, 205th ACS National Meeting, Denver, CO, 4/93.

57. Possible Intermediates in the Photochemistry of $[Rh_2(NCR)_{10}][BF_4]_4$ (R = Me, Et). K. R. Dunbar, G. M. Finniss and L. E. Pence, 206th ACS National Meeting, Chicago, IL, 8/93.

58. Reactions of Tris(2,4,6-trimethoxyphenyl)phosphine with Dirhodium Tetraacetate. Kim R. Dunbar and Vijay P. Saharan, 206th ACS National Meeting, Chicago, IL, 8/93.

59. The Synthesis of Polymeric Frameworks from Homoleptic Metal-Metal Bonded Cyanide Complexes. S. L. Bartley and K. R. Dunbar, 206th ACS National Meeting, Chicago, IL, 8/93.

60. Reactivity Studies of the Fluxional Complexes $(TMPP)M(CO)_3$ (M = Mo, W). Kim R. Dunbar and Jui-Sui Sun, 206th ACS National Meeting, Chicago, IL, 8/93.

61. Syntheses and Reactivity Studies of Homoleptic Acetonitrile Complexes Possessing Metal-Metal Bonds. Stacey N. Bernstein and K. R. Dunbar, 206th ACS National Meeting, Chicago, IL, 8/93.

62. The Interaction of Dinuclear Rhodium (II) Complexes With Nitrogen Donor Ligands of Biological Relevance. K.R. Dunbar, J. H. Matonic, V. P. Saharan, C. A. Crawford and G. Christou, Sixth International Conference on Bioinorganic Chemistry, La Jolla, CA, 8/93.

63. Reactions of Dinuclear Purines with Antitumor Active Dinuclear Compounds of Rhenium and Rhodium. K. V. Catalan, K. R. Dunbar and D. Mindiola, 208th ACS National Meeting, Washington, D.C., 8/94.

64. Interaction of Aromatic Nitrogen Donor Ligands with Solvated Dinuclear Cations $[M_2(NCMe)_{10}][BF_4]_4$ (M = Mo, Rh, Re). K. R. Dunbar and G. M. Finniss, 208th ACS National Meeting, Washington, D.C., 8/94.

Conference Papers (continued)

65. Synthesis and Reactivity of the Fluxional Rh(I) Phosphine Complex $[Rh(TMPP)_2][BF_4]$. K. R. Dunbar, A. D. Howard and C. E. Uzelmeier, 208th ACS National Meeting, Washington, D.C., 8/94.

66. Use of M-M Bonded Molecular Precursors in the Construction of Inorganic and Organometallic Solids. K. R. Dunbar, 208th ACS National Meeting, Washington, D.C., 8/94.

67. New Polydentate Phosphine Ligands with Tetrathiafulvalene Substituents. Donald M. Baird, Stuart L. Bartley, Patrick Batail, Kim R. Dunbar, Marc Fourmigué, Julia Meinershagen, Sarah C. Olson, and Calvin E. Uzelmeier, Southeast Regional ACS Meeting, Birmingham, AL, 10/94.

68. Magnetic Studies of Polynuclear Iron(II) Complexes and their Application to the Synthesis of Extended Structures. K. R. Dunbar and Alice Sun, International Conference on Molecule Based Magnets, Salt Lake City, UT, 10/94.

69. Paramagnetic Transition Metal Complexes With σ-Bonded Tetracyanoethylene (TCNE). Kim R. Dunbar and Xiang Ouyang, International Conference on Molecule Based Magnets, Salt Lake City, UT, 10/94.

70. New Polydentate Phosphine Ligands with Tetrathiafulvalene Substituents. Donald M. Baird, Stuart L. Bartley, Patrick Batail, Kim R. Dunbar, Marc Fourmigué, Julia Meinershagen, Sarah C. Olson, and Calvin E. Uzelmeier, 209th ACS National Meeting, Anaheim, CA, 04/95.

71. Novel Tetrathiafulvalene Donors with Tertiary Phosphine Substituents. Stuart L. Bartley, Patrick Batail, Kim R. Dunbar, Marc Fourmigué, Julia Meinershagen and Calvin E. Uzelmeier, 27th Central Regional Meeting, Akron, OH, 05/95.

72. Unprecedented Metal-DNA Binding for Dimetal Complexes: Implications for Antitumor Activity. Kemal Catalan. Kim R. Dunbar, John H. Matonic and Daniel J. Mindiola, 27th Central Regional Meeting, Akron, OH, 05/95.

73. Synthesis and Single Crystal X-ray Studies of Dirhodium Complexes with DNA Purines. Kemal V. Catalan, Helen T. Chifotides, Kim R. Dunbar and Daniel J. Mindiola, 22nd Annual National Conference of the National Organization of Black Chemists and Chemical Engineers, Los Angeles, CA, April 17-21, 1995.

74. Reactivity Studies of Dirhenium Carboxylate and Formamidinate Complexes with DNA Purines. K. V. Catalan, H. T. Chifotides, K. R. Dunbar and D. J. Mindiola, 210th ACS National Meeting, Chicago, IL, 8/94.

75. Low-Valent Homoleptic and Mixed-Ligand Cyanide Complexes with Metal-Metal Bonding. S. L. Baker, S. L. Bartley and K. R. Dunbar, 210 th ACS National Meeting, Chicago, IL, 8/94.

76. Polymeric Materials Comprised of Dinuclear Metal Complexes and Polycyano ligands. S. L. Bartley, K. R. Dunbar and X. Ouyang, 210th ACS National Meeting, Chicago, IL, 8/94.

77. High-Spin Clusters of Fe(II) and Mn(II) as Building Blocks for Magnetic Materials. K. R. Dunbar, S. O. Majors, W. Reiff and J.S.- Sun, NATO workshop on "Magnetism: A Supramolecular Function," September 16-20, 1995.

78. Extended Arrays of Paramagnetic Transition Metal Complexes Bridged by σ-Bonded Organocyanide Acceptor Molecules. Kim R. Dunbar and Xiang Ouyang, NATO workshop on "Magnetism: A Supramolecular Function" September 16-20, 1995.

79. Extended Arrays of Paramagnetic Transition Metal Complexes Bridged by σ-Bonded Organocyanide Acceptor Molecules. Kim R. Dunbar and Xiang Ouyang, Symposium on "Molecular Based Magnetic Materials," Pacifichem '95, Honolulu, HI, December 17-22, 1995.

80. Magnetic Studies of Polynuclear Iron(II) Complexes and their Application to the Synthesis of Extended Structures. K. R. Dunbar and Alice Sun, Symposium on "Molecular Based Magnetic Materials" Pacifichem '95, Honolulu, HI, December 17-22, 1995.

Conference Papers (continued)

81. Reactions of Dirhodium Formamidinate Complexes with 9-Ethyladenine (9-EtAH) and 9-Ethylguanine (9-EtGH). Kemal V. Catalan and Kim R. Dunbar, 211th ACS National Meeting, New Orleans, LA, March 24-28, 1996.

82. Binary Compounds of the Type $M(TCNQ)_2$ (M = Cr, Mn, Fe, Co, Ni): Magnetism, Conductivity and X-ray Structural Studies. Kim R. Dunbar, Z. Hanhua, and Robert V. Heintz, 211th ACS National Meeting, New Orleans, LA, March 24-28, 1996.

83. Novel Phosphines with Tetrathiafulvalene Substituents. S. L. Bartley, P. Batail, K. R. Dunbar, M. Fourmigué, C. E. Uzelmeir and J. L. Meinershagen, 211th ACS National Meeting, New Orleans, LA, March 24-28, 1996.

84. Ordered Arrays of Metals with Nitrile or Cyanide Ligands. Kim R. Dunbar, 31st International Cordination Chemistry Conference, Vancouver, August 18, 1996.

85. Magnetic and Conducting Solids with Transition Metals and Nitrile Ligands. Kim R. Dunbar, Materials Research Society, Boston, MA, December 2-6, 1996.

86. Ordered Arrays of Transition Metals with Polynitrile Donors: Structural, Electronic and Magnetic Properties. Kim R. Dunbar, Gary M. Finniss, Robert A. Heintz and Hanhua Zhao, 213th ACS National Meeting, San Francisco, CA, April 14, 1997.

87. Synthesis, Structure and Properties of $M(TCNQ)_2$ Materials. Kim R. Dunbar, Hanhua Zhao, Robert A. Heintz and Giulio Grandinetti, Symposium: The Center For Fundamental Materials Research, Michigan State University, April 21, 1997.

88. Phosphine-Functionalized Tetrathiafulvalenes as Precursors to Redox-Active Inorganic-Organic Extended Materials. Calvin E. Uzelmeier, Kim R. Dunbar, Marc Fourmigué and Giulio Grandinetti, Symposium: The Center For Fundamental Materials Research, Michigan State University, April 21, 1997.

89. Design and Synthesis of Inorganic/Organic "Hybrid" Materials with Polynitrile Ligands. X. Ouyang and Kim R. Dunbar, Symposium: The Center For Fundamental Materials Research, Michigan State University, April 21, 1997.

90. Synthesis, Structure, Magnetic and Electrical Properties of Cu(TCNQ). Giulio Grandinetti, Hanhua Zhao, Jerry A. Cowen and Kim R. Dunbar, Symposium: The Center For Fundamental Materials Research, Michigan State University, April 21, 1997.

91. Molecular Routes to One, Two and Three-Dimensional Arrays of Metals with C≡N and N≡C Based Ligands. Kim R. Dunbar, Stuart L. Bartley, Gary M. Finniss, Xiang Ouyang, Paul S. Szalay and Hanhua Zhao, ACS 29th Central Regional Meeting, Midland MI, "Triple Bonds in Materials Science," May 27-30, 1997.

92. New Insights into Films and Crystals of 3d Transition Metal Containing Polymers of TCNQ: Structural, Electrical and Magnetic Properties. Kim R. Dunbar, Jerry A. Cowen, Giulio Grandinetti, Robert A. Heintz and Hanhua Zhao, ACS Great Lakes Regional Meeting, Loyola University, Chicago, "Symposium on Advances in Materials Science," May 27-30, 1997.

Conference Papers (continued)

93. ^{1}H NMR Spectroscopic Studies of Dinuclear Transition Metal Carboxylates with DNA Oligonucleotides. E. Lozada, K. R. Dunbar, L. Bickerstaff, K. D. Bishop and K. V. Catalan, 17th International Congress of Biochemistry and Molecular Biology and the 1997 Annual Meeting of the American Society for Biochemistry and Molecular Biology, San Francisco, CA, August 24-29, 1997.

94. Interactions of Dinuclear Transition Metal Carboxylates with DNA. K. V. Catalan, K. R. Dunbar, L. Bickerstaff, K. D. Bishop and E. Lozada, 17th International Congress of Biochemistry and Molecular Biology and the 1997 Annual Meeting of the American Society for Biochemistry and Molecular Biology, San Francisco, CA, August 24-29, 1997.

95. Unusual Twinning in the Crystal Stuctures of Two Structures of Two Polymorphs of Cu(TCNQ): The Role of TCNQ Radical Stacking in Dictating the Electrical Properties of This Unusual Material. X. Ouyang, Hanhua Zhao, Guilio Grandinetti, Jerry Cowen and Kim R. Dunbar, Annual MIT/Bruker Symposium, January 31, 1998 (tied for 1st place).

96. The Use of Nitrile and Cyanide Ligands to Synthesize Extended Arrays of Metal-Metal Bonds. Stuart L. Bartley, Kim R. Dunbar, Gary M. Finniss, Xiang Ouyang, Paul S. Szalay, 215th ACS National Meeting, Dallas, TX, April 1, 1998.

97. Magnetic and Semiconducting Properties of $M(TCNQ)_2$ where M is Mn, Fe, CO and Ni. K. R. Dunbar, J. A. Cowen, G. Grandinetti, Robert A. Heintz and X. Ouyang, Symposium: The Center For Fundamental Materials Research, Michigan State University, March 2, 1998.

98. Unusual Twinning in the Crystal Structures of Two Structures of Two Polymorphs of Cu(TCNQ): The Role of TCNQ Radical Stacking in Dictating the Electrical Properties of This Unusual Material. X. Ouyang, Hanhua Zhao, Guilio Grandinetti, Jerry Cowen and Kim R. Dunbar, The Center For Fundamental Materials Research, Michigan State University, March 2, 1998.

99. The Use of Nitrile and Cyanide Ligands to Synthesize Extended Arrays of Metal-Metal Bonds. Kim R. Dunbar, Xiang Ouyang, Gary Finniss and Paul Szalay, *Cotton Priestley Medal Symposium*, 215th ACS National Meeting, Dallas, TX, April 1, 1998.

100. Extended Arrays with Transition Metals Coordinated to Organic Donors and Acceptors: Putting a New Spin on Organic Charge-Transfer Salts. Kim R. Dunbar, Robert Heintz, X. Ouyang, Calvin Uzelmeier and Hanhua Zhao, Plenary Lecture, *33rd International Conference on Coordination Chemistry*, Florence, Italy, September 3, 1998.

101. The Use of Organic Donors and Acceptors as Ligands for Paramagnetic Metal Centers: A New Spin on Organic Charge Transfer Salts. Kim R. Dunbar, Jerry Cowen, Robert Heintz, X. Ouyang, Hanhua Zhao, Keynote Lecture, Vith International Conference on Molecule-Based Magnets, Seignosse Le Penon, France, September 12, 1998.

102. Building Block Approach to Open-Shell Molecules and Arrays with Nitrogen and Phosphorus Donor Ligands. Kim R. Dunbar, First European Workshop on "Design, Synthesis, and Supramolecular Chemistry of Open-Shell Materials" Training and Mobility of Researchers, Sitges, Spain, March 5-7, 1999.

103. Use of Polypyridyl Ligands in the Formation of Extended paramagnetic Arrays. Cristian S. Campos and Kim R. Dunbar, Invited Lecture, ACS Symposium *Synthesis of New Materials by Coordination Chemistry, Self-Assembly and Template Formation*, Anaheim, CA, March 21-25, 1999.

Conference Papers (continued)

104. Molecular Assemblies based on Octahedral Metal Ions. Jennifer A. Smith, Paul S. Szalay and Kim R. Dunbar, *Symposium, ACS Award in Inorganic Chemistry*, Anaheim, CA, March 21-25, 1999.

105. Polypyridine and Cyanide Compounds of Transition Metals that Exhibit Metal-Metal Bonding. Cristian S. Campos, Paul S. Szalay and Kim R. Dunbar, *Symposium, ACS Award for Distinguished Service to Inorganic Chemistry*, Anaheim, CA, March 21-25, 1999.

106. Clusters and Extended Arrays with Paramagnetic Metal Ions and Nitrogen Donor Ligands. Cristian S. Campos and Kim R. Dunbar, 218th National ACS Meeting, New Orleans, LA, August 22-26, 1999.

107. Novel Clusters and Materials Based on Paramagnetic Octahedral Metal Ions. Kim R. Dunbar, Paul S. Szalay, and Jennifer A. Smith, 218th National ACS Meeting, New Orleans, LA, August 22-26, 1999.

108. Convenient Access to Re(II) Compounds From Reduction of Re(III) Chlorides by Potassium Graphite (KC_8). Kim R. Dunbar and Matthew E. Prater, 218th National ACS Meeting, New Orleans, LA, August 22-26, 1999.

109. Molecules and Extended Arrays with Redox-Active Ligands Based on Tetrathiafulvalene. Kim R. Dunbar and Bradley W. Smucker, 218th National ACS Meeting, New Orleans, LA, August 22-26, 1999.

110. A Building Block Approach to Magnetic Materials: From Mononuclear Complexes to Clusters, and Ultimately to Tailored Solids. Kim R. Dunbar *State-of-the-Art Symposium: Frontiers in Materials Based on Molecular Building Blocks*, ChED Division, 218th National ACS Meeting, New Orleans, LA, August 22-26, 1999.

111. Molecule-Based Magnetic Clusters and Arrays: How does the Chemistry relate to the Physics? Invited talk in Symposium for ACS Award in Materials Chemistry, Joel Miller. Kim R. Dunbar, 219th National ACS Meeting, San Francisco, CA, March 26-30, 2000.

112. Reactivity Studies of Antitumor Active Dirhodium Carboxylate Complexes with Sulfur-Containing Biomolecules. Karn Sorasaenee and Kim R. Dunbar, 219th National ACS Meeting, San Francisco, CA, March 26-30, 2000.

113. Bimetallic Assemblies Based on Hexacyanometallate Ions. Jennifer A. Smith and Kim R. Dunbar, 219th National ACS Meeting, San Francisco, CA, March 26-30, 2000.

114. Trigonal Assemblies Based on Octahedral Metal Ions. Kim R. Dunbar and Paul S. Szalay, 219th National ACS Meeting, San Francisco, CA, March 26-30, 2000.

115. Anion Template Effect in the Assembly of Molecular Squares. Cristian Campos, Rodolphe Clérac and Kim R. Dunbar, Contemporary Inorganic Chemistry II, Texas A&M University, College Station, TX, March 12-15, 2000.

116. Metal-Metal Bonded Assemblies of Dirhodium(II,II) and Diruthenium(II,II) with polycyano-acceptor Molecules. Hitoshi Miyasaka, Cristian Campos, Rodolphe Clérac, José-Ramon Galán-Mascarós and Kim R. Dunbar, Contemporary Inorganic Chemistry II, Texas A&M University, College Station, TX, March 12-15, 2000.

117. Molecule-Based Magnets from Oxalate-Bridged 3-D Bimetallic Networks. José-Ramon Galán-Mascarós, Eugenio Coronado, Carlos J. Gómez-García and Kim R. Dunbar, Contemporary Inorganic Chemistry II, Texas A&M University, College Station, TX, March 12-15, 2000.

Conference Papers (continued)

118. New Materials Based on Coordination Compounds: From Clusters to Polymeric Systems and from Paramagnetism to Spin-Glass Behavior. Rodolphe Clérac and Kim R. Dunbar, Contemporary Inorganic Chemistry II, Texas A&M University, College Station, TX, March 12-15, 2000.

119. Sulfur-Based Redox-Active Molecules as Ligands for Late Transition Metals: From Mononuclear Complexes to Extended Arrays. Bradley Smucker and Kim R. Dunbar, Contemporary Inorganic Chemistry II, Texas A&M University, College Station, TX, March 12-15, 2000.

120. Bimetallic Assemblies Based on Hexacyanometallate Building Blocks. Jennifer A. Smith, José-Ramon Galán-Mascarós, Rodolphe Clérac and Kim R. Dunbar, Contemporary Inorganic Chemistry II, Texas A&M University, College Station, TX, March 12-15, 2000.

121. New Crystalline Polymers of Ag(TCNQ) and Ag($TCNQF_4$): Structures and Magnetic Properties. Shannon O'Kane, Rodolphe Clérac, Hanhua Zhao, Xiang Ouyang, José-Ramon Galán-Mascarós, Robert A. Heintz and Kim R. Dunbar, Contemporary Inorganic Chemistry II, Texas A&M University, College Station, TX, March 12-15, 2000.

122. Synthesis and Reactivity of Transition Metal Acetonitrile Complexes. Matthew E. Prater and Kim R. Dunbar, Contemporary Inorganic Chemistry II, Texas A&M University, College Station, TX, March 12-15, 2000.

123. Molecular Assemblies and Materials Based on Transition Metal Coordination Compounds. Paul S. Szalay and Kim R. Dunbar, Contemporary Inorganic Chemistry II, Texas A&M University, College Station, TX, March 12-15, 2000.

124. Sulfur-Based Redox-Active Molecules as Ligands for Late Transition Metals: From Mononuclear Complexes to Extended Arrays. Bradley Smucker and Kim R. Dunbar, Gordon Research Conference on Inorganic Chemistry, July 23-27, 2000. First-Prize Poster Award.

125. Piano-Stool and BarF Precursors for the Cyanometallate Chemistry of Rhenium: A Directed Approach Towards Prussian Blue Type Structures of Rhenium(II). Eric J. Schelter and Kim R. Dunbar, Gordon Research Conference on Inorganic Chemistry, July 23-27, 2000.

126. Interactions of Anticancer Active Dirhodium Compounds with S-based Amino Acids and Mimics. Karn Sorasaenee and Kim R. Dunbar, IUCCP, Texas A&M University, September 19-20.2000.

127. Cyano-based Magnetic Clusters and Polymeric Arrays. Jennifer A. Smith, José Ramón Galán-Mascarós, Rodolphe Clérac and Kim R. Dunbar, IUCCP, Texas A&M University, September 19-20, 2000.

128. Control of the Ring Size of Paramagnetic metallaacyclophanes by the use of an Anion Template. Cristian Saul Campos-Fernández, Rodolphe Clérac, John M. Koomen, David H. Russell and Kim R. Dunbar ICMM 2000, San Antonio, TX, September 16-21, 2000.

129. Discrete and Extended Magnetic Arrays with Metals Coordinated to Triangular Nitrogen-Based Ligands. Paul Szalay, José Ramón Galán-Mascarós, Rodolphe Clérac and Kim R. Dunbar, ICMM 2000, San Antonio, TX, September 16-21, 2000.

130. New Cyano-based Bimetallic Molecular Architectures. Jennifer A. Smith, José Ramón Galán-Mascarós, Rodolphe Clérac and Kim R. Dunbar, ICMM 2000, San Antonio, TX, September 16-21, 2000.

Conference Papers (continued)

131. Extended Arrays with Redox-Active Nitrogen and Sulfur-Based Ligands. Bradley W. Smucker, Cristian Saul Campos-Fernández, Rodolphe Clérac and Kim R. Dunbar, ICMM 2000, San Antonio, TX, September 16-21, 2000.

132. Recent Discoveries in Magnetic Arrays Co-Assembled with Organic π-systems. Kim R. Dunbar, Mervin Bazile, Jr., Rodolphe Clérac, José Ramón Galán-Mascarós, Xiang Ouyang, Paul Szalay, Pacifichem 2000, Honolulu, HI, December 14-19, 2000.

133. Molecular squares, pentamers, decamers and more: Supramolecular approaches to new magnetic materials. Kim R. Dunbar, Cristian S. Campos-Fernández, Jennifer A. Smith, José Ramón Galán-Mascarós and Paul S. Szalay, Cotton Symposium, ACS Meeting, San Diego, CA, April 1-5, 2001.

134. Frontiers in Magnetism at the interface of Chemistry and Nanoscience. Kim R. Dunbar, Chemistry of Supramolecules and Assembilies Gordon Research Conference, New London, CT, July 29-August 3, 2001.

135. Spectroscopic and Molecular Modeling Studies of the Interactions of Dirhodium (II/II) Compounds with Nucleotides. Karn Sorasaenee, Helen Chifotides and Kim R. Dunbar, 10th International Conference on Bioinorganic Chemistry, Florence, Italy, August 26-31, 2001.

136. A New Class of Gigantic Anions: Lewis Acid Adducts of Hexcyanometallates with Boranes. Eric J. Schelter, José Ramón Galán-Mascarós, Brad W. Smucker and Kim R. Dunbar, IUCCP, October 1-3, 2001.

137. Syntheses of Novel Materials With Metals and the Organic Radical $TCNQ^{-\bullet}$. Mervin J. Bazile, Jr., Hanhua Zhao, José Ramón Galán-Mascarós, and Kim R. Dunbar, IUCCP, October 1-3, 2001.

138. Discrete Molecules Based on Prussian Blue Motifs. Curtis Berlinguette, Jennifer Smith, José Ramón Galán-Mascarós and Kim R. Dunbar, IUCCP, October 1-3, 2001.

139. Study of the Reactions of Oligonucleotides with Pt and Rh Compounds by Mass Spectrometry. Mijeong Kang, John M. Koomen, David H. Russell and Kim R. Dunbar, IUCCP, October 1-3, 2001.

140. New Magnetic Assemblies Based on Supramolecular Design Principles. Kim R. Dunbar, MOLNANOMAG, Paris, France, March 7-9, 2002.

141. Supramolecular Assemblies Involving Dimetal Building Unit. Jitendra Bera, Brad W. Smucker and Kim R. Dunbar, Orlando ACS Meeting, April 7-11, 2002.

142. Anion templates as convenient reagents for assembling paramagnetic architectures. Kim R. Dunbar, Cristian Campos and Jitendra Bera, Orlando ACS Meeting, April 7-11, 2002.

143. Building Block and Supramolecular Appraoches to Building Paramagnetic Architectures. Kim R. Dunbar, Cristian Campos, Jitendra Bera and John Koomen, 2002 IUCCP Board Meeting, College Station, TX, April 25, 2002.

144. Synthesis of Novel Materials Using Lanthanide Ions and the Organic Radial, TCNQ. Mervin J. Bazile, Jr., Hanhua Zhao, José Ramón Galán-Mascarós and Kim R. Dunbar, Boston ACS Meeting, August 18-22, 2002.

Conference Papers (continued)

145. Magnetic Phenomena of Cyanide-bridged Bimetallic Molecules. Curtis P. Berlinguette, José Ramón Galán-Mascarós and Kim R. Dunbar, Boston ACS Meeting, August 18-22, 2002.

146. New Anisotropic Precursors for the Preparation of Large Spin Metal-Cyanide Clusters. Eric J. Schelter, José Ramón Galán-Mascarós Jitendra K. Bera and Kim R. Dunbar, Boston ACS Meeting, August 18-22, 2002.

147. Synthesis of Novel Materials with Lanthanide Metals and the Organic Radial, $TCNQ^{-\bullet}$. Mervin J. Bazile, Jr., Hanhua Zhao, José Ramón Galán-Mascarós and Kim R. Dunbar, IUCCP, September 23-25, 2002. Received Distinguished Achievement Award for Outstanding Oral Presentation.

148. The Structure and Magnetic Properties of Bimetallic Cyanide Bridged Clusters. Curtis Berlinguette, José Ramón Galán-Mascarós and Kim R. Dunbar, IUCCP, September 23-25, 2002.

149. New Anisotropic Precursors for the Preparation of Large Spin Metal-Cyanide Clusters. Eric J. Schelter, José Ramón Galán-Mascarós, Jitendra K. Bera and Kim R. Dunbar, IUCCP, September 23-25, 2002. Received Distinguished Achievement Award for Outstanding Oral Presentation.

150. Solar Cell Dyes Based on Diimine-dithiolato Platinum(II) and Palladium(II) Complexes. Bradley W. Smucker, Mohammad A. Omary and Kim R. Dunbar, IUCCP, September 23-25, 2002.

151. Synthesis of Novel Materials with Lanthanide Metals and the Organic Radial, $TCNQ^{-\bullet}$. Mervin J. Bazile, Jr., Hanhua Zhao, José Ramón Galán-Mascarós and Kim R. Dunbar, ICMM 2002, Valencia, Spain, October 5-10, 2002.

152. Magnetic Phenomena of Cyanide-bridge Bimetallic Molecules. Curtis P. Berlinguette, José Ramón Galán-Mascarós and Kim R. Dunbar, ICMM 2002, Valencia, Spain, October 5-10, 2002.

153. Magnetic Molecules and Materials Based on Nitrogen-Containing Ligands. Mervin J. Bazile, Jr., Curtis P. Berlinguette, José Ramón Galán-Mascarós, Eric J. Schelter, Hanhua Zhao and Kim R. Dunbar, ICMM 2002, Valencia, Spain, October 5-10, 2002.

154. Mole-Based Magnets of 3d Transition Metals with 2,2′-bibenzimidazole Ligands. José Ramón Galán-Mascarós and Kim R. Dunbar, ICMM 2002, Valencia, Spain, October 5-10, 2002.

155. New Anisotropic Precursors for the Preparation of Metal-Cyanide Clusters with Large Ground States. Eric J. Schelter, José Ramón Galán-Mascarós, Jitendra K. Bera and Kim R. Dunbar, ICMM 2002, Valencia, Spain, October 5-10, 2002.

156. Magnetic Properties of a Complex Re(II) Ion: Crystal Field Model, Jahn-Teller Effect. Kim R. Dunbar, Eric J. Schelter, Sergei M Ostrovsky, Vadim Yu. Mirovitsky, Andrew V. Palii and B.S. Tsukerblat, ICMM 2002, Valencia, Spain, October 5-10, 2002.

157. Molecular Nanomagnets: Magnetic and Electronic Properties of Novel Magnetic Nanostructures and Nanostructured Materials. Donald G. Naugle, Glenn Agnolet, Frank Albert Cotton, Kim R. Dunbar, Valery Pokrovsky and Joseph H. Ross, Jr., NSF Nanoscale Science and Engineering Grantees Conference, Arlington, VA, December 11-13, 2002.

158. Matrix assisted pulsed laser deposition of Mn_{12} acetate molecular magnet films. V. Meenakshi, W. Teizer, K. D. D. Rathnayaka, D. Naugle, H. Zhao and K. Dunbar, American Physical Society Meeting, San Antonio, TX, March 3-7, 2003.

Conference Papers (continued)

159. Pt(II) and Pd(II) Imine Complexes and Their Adducts with Nitrle Acceptors: Optoelectronic Properties and Potential Use as Solar Cell Dyes. Mohammad A. Omary, Josh M. Hudson, Bradley W. Smucker and Kim R. Dunbar, New Orleans ACS Meeting, March 22-27, 2003.

160. Single-Molecule Magnet Behavior in the Trigonal Bipyramidal Cyanide-Bridge Cluster, $\{[Mn^{III}(CN)_6]_2[Mn^{II}(tmphen)_2]_3\}$. Curtis P. Berlinguette, José Ramón Galán-Mascarós, Cristina Cañada-Vilalta and Kim R. Dunbar, NATO-ASI, Corfu, Greece, April 29-May 11, 2003.

161. High Spin Molecules and Extended Framework Solids Based on Cyanide-Containing Ligands. Hanhua Zhao, Curtis P. Berlinguette, Eric J. Schelter, Mervin J. Bazile, José Ramón Galán-Mascarós and Kim R. Dunbar, NATO-ASI, Corfu, Greece, April 29-May 11, 2003.

162. Incorporating nisotropic Metal Ions Into Metal-Cyandie Clusters With Large Spin Ground States. Eric J. Schelter, Jitendra K. Bera, José Ramón Galán-Mascarós, John Bacsa and Kim R. Dunbar, NATO-ASI, Corfu, Greece, April 29-May 11, 2003.

163. The origin of strong temperature independent paramagnetism of trigonal low-spin Re(II) complexes. Kim R. Dunbar, Eric J. Schelter, Andrew V. Palii, Sergei M. Ostrovsky, Vadim Yu. Mirovitsky, Sophia I. Klokishner, and Boris S. Tsukerblat, EMRS Symposium, Strasbourg, France, June 10-13, 2003.

164. Molecular Magnetism: From Nanomagnets to Extended Solids. Kim R. Dunbar, Inorganic Chemistry Gordon Research Conference, Newport, RI, July 13-18, 2003.

165. Building Block Approaches to Magnetic Materials. Kim R. Dunbar, George Christou's 50th Birthday Symposium, Gainesville, FL, July 25-27, 2003.

166. Structures and Magnetic Properties of Some New Transition Metal Cluster Complexes. John Bacsa, Hanhua Zhao, Eric J. Schelter and Kim R. Dunbar, 2003 ACA Meeting, Newport, KT, July 26-31, 2003.

167. Novel Binding Interactions of the DNA Fragments d(GpG) and d(ApA) Bound to the Antitumor Active Compound Tetrakis(μ-N,N′-di-p-tolylformamidinato)dirhodium(II). Helen T. Chifotides and K.R. Dunbar, New York ACS Meeting, September 7-11, 2003.

168. Synthesis of Novel Dirhodium(II/II) Complexes and Study of Their DNA-Photocleaving Properties. Alfredo M. Angeles-Boza, Patricia M. Bradley, Claudia Turro and Kim R. Dunbar, New York ACS Meeting, September 7-11, 2003.

169. A Rare Example of High Spin Co(III): Spin-Crossover Behavior of the Cluster $\{[Co(tmphen)_2]_3[Fe(CN)_6]_2\}$. Curtis P. Berlinguette, Catalina L. Achim, Andreas Sieber, Hans-Ulrich Güdel, José Ramón Galán-Mascarós and Kim R. Dunbar, New York ACS Meeting, September 7-11, 2003.

170. Two-dimensional magnetic architectures with bridging polynitrile and bipyrimidine ligands. José Ramón Galán-Mascarós, Franck Thétiot, Smail Triki, Jean Sala Pala and K.R. Dunbar, ISCOM 2003, France, September 21-26, 2003.

171. Molecular Magnetism: From Nanomagnets to Extended Solids. Kim R. Dunbar, Yale University, New Haven, CT, October 9, 2003.

Conference Papers (continued)

172. Assembly of New Magnetic Materials Based on Organocyanide Acceptor Molecules Coordinated to Metal Ions. Mervin J. Bazile, Jr., seminar to undergraduates and faculty at Southeastern Louisiana University for recruitment purposes, Hammond, LA, October 10, 2003.

173. Chemistry and Characterization of Prussian Blue and Related Compounds. Kim R. Dunbar, The Food and Drug Administration, Rockville, MD, October 14, 2003.

174. An Unprecedented Charge Transfer Spin Transition in the μ-CN^- Cluster $\{[Co(tmphen)_2]_3[Fe(CN)_6]_2\}$. Curtis P. Berlinguette, Alina Dragulesco-Andrassi, Catalina Achim and Kim R. Dunbar, IUCCP, October 13-15, 2003. Received Distinguished Achievement Award for Outstanding Oral Presentation.

175. Inhibition of Key Enzymes of the Cellular Cycle By Second Generation of Dirhodium (II/II) Complexes. Jessica Dafhne Aguirre, Alfredo M. Angeles-Boza, Patricia M. Bradley, Claudia Turro and Kim R. Dunbar, IUCCP, October 13-15, 2003.

176. DNA Binding and Photocleavage in vitro by Novel dppz Dirhodium (II,II) Complexes and Correlation to Their Cytotoxicity and photocytoxicity to Human Skin Cells. Alfredo Angeles-Boza, Patricia M. Bradley, Patty K.-L. Fu, John Bacsa, Claudia Turro and Kim R. Dunbar, IUCCP, October 13-15, 2003.

177. Building Block Approaches to Magnetic Materials. Kim R. Dunbar, NSF Workshop on Reticular Chemistry 2003, San Diego, CA, November 20-23, 2003.

178. Building Block Approaches to Magnetic Materials. Kim R. Dunbar, Germany Lecture Tour, Universities of Goettingen, Muenster, Bielefeld, Muelheim and Karlsruhe, November 29-December 9, 2003.

179. Unusual Magnetism of Mixed-Ligand Re(II) Complexes: *jj*-Crystal Field Coupling Scheme, Jahn-Teller Effect. Kim R. Dunbar, Eric J. Schelter, Andrei V. Palii, Sergei M. Ostovsky, Vadim Yu. Mirovitskii, Joshua M. Hudson, Mohammad A. Omary, Sophia I. Klokishner and Boris S. Tsukerblat, The 69th Meeting of the Israel Chemical Society, Tel-Aviv, Israel, February 2-3, 2004.

180. Magnetic properties of Mn_{12} acetate films: Evidence for cluster glassy magnets? V. Meenakshi, W. Teizer, D. G. Naugle, H. Zhao and K. R. Dunbar, American Physical Society Meeting, Montreal, Canada, March 22-26, 2004.

181. Fabrication of Mn_{12}-acetate Molecular Magnet Thin Films by the Dip-and-Dry Method. D. M. Seo, M. Viswanathan, W. Teizer, H. Zhao and K. R. Dunbar, American Physical Society Meeting, Montreal, Canada, March 22-26, 2004.

182. Pulsed Laser Deposition of Mn_{12}-acetate Films using a Nitrogen Laser. J. Means, R. Srivastava, V. Meenakshi, W. Teizer, H. Zhao, K. Dunbar, Al. A. Kolomenskii and H.A. Scheussler, American Physical Society Meeting, Montreal, Canada, March 22-26, 2004.

183. Magnetic properties of Mn_{12}-acetate films. V. Meenakshi, W. Teizer, D.G. Naugle, H. Zhao and K.R. Dunbar, American Physical Society Meeting, Montreal, Canada, March 22-26, 2004.

184. Using Prussian blue analogs as precursors to Mn-oxides and the design of higher solubility SMM's. Carolina Avendano, Curtis P. Berlinguette and Kim R. Dunbar, Anaheim ACS Meeting, March 28-April 1, 2004.

Conference Papers (continued)

185. Step-wise assembly of trimetallic μ-CN-paramagnetic chains based on the trigonal bipyramidal building block. Kristen E. Chambers, Curtis P. Berlinguette and Kim R. Dunbar, Anaheim ACS Meeting, March 28-April 1, 2004.

186. A systematic design of efficient solar cell dyes based on d8 complexes with imine and thiolate ligands. Mohammad Omary, Joshua M. Hudson, Eric W. Reinheimer and Kim R. Dunbar, Anaheim ACS Meeting, March 28-April 1, 2004.

187. Novel supramolecular stacks assembled from inorganic ddonor complexes and organic acceptor molecules. Eric W. Reinheimer, Joshua M. Hudson, Kim R. Dunbar and Mohammad A. Omary, Anaheim ACS Meeting, March 28-April 1, 2004.

188. DNA-binding studies of potential anticancer rhodium compounds. Szymon Mikulski, Shari U. Dunham, Amity E. Burr, Helen Chifotides and Kim R. Dunbar, Anaheim ACS Meeting, March 28-April 21, 2004.

189. Building Block Approaches to Nanomagnetic Materials. Kim R. Dunbar, NSF Workshop, "Foundations of Nanoscience: Self-assembled Architectures and Devices," Snowbird, UT, April 21-23, 2004.

190. Novel Interactions of the DNA Fragments d(ApA) and d(GpA) Bound to the Antitumor Active Compound Tetrakis(μ-N,N′-di-*p*-tolylformamidinato)dirhodium(II,II). Helen T. Chifotides and K.R. Dunbar, "Metals in Medicine" Gordon Conference, Colby College, Maine, June 13-18, 2004.

191. Photocleavage *in vitro* by Novel dppz Dirhodium (II/II) Complexes and Correlation to Their Cytotoxicity and Photocytotoxicity to Human Skin Cells. Angeles-Boza, Alfredo M.; Bradley, Patricia M.; Fu, Patty K.-L.; Bacsa, John; Turro, Claudia and Dunbar, Kim R., 36th ICCC, Merida, Mexico, July 18-23, 2004.

192. Effect of Axial Position of Dirhodium (II,II) Complexes on the Mechanism of Transcription Inhibition *in Vitro*. Jessica Dafhne Aguirre, Patricia M. Bradley, Claudia Turro and Kim R. Dunbar, 36th ICCC, Merida, Mexico, July 18-23, 2004.

193. Effect of Dirhodium (II,II) Formamidinate Complexes on Transcription In hibition *in Vitro*. Helen T. Chifotides, Claudia Turro and Kim R. Dunbar, 36th ICCC, Merida, Mexico, July 18-23, 2004.

194. Synthesis, Characterization and Magnetic Properties of Cyandie-Bridged Tetranuclear Molecules. Ferdi Karadas, Eric J. Schelter, John Bacsa, Andrew Prosvirin and Kim R. Dunbar, 36th ICCC, Merida, Mexico, July 18-23, 2004. Received outstanding poster for the d- and f- element chemistry session.

195. Supramolecular Donor/Acceptor Stacks Containing Pt(Diimine)(Dithiolate) and Organic Molecules As Photosensitizing Solar Cell Dyes. Eric W. Reinheimer, Joshua M. Hudson, John Bacsa, Mohammed A. Omary and Kim R. Dunbar, 36th ICCC, Merida, Mexico, July 18-23, 2004.

196. The role of anions as templates in supramolecular coordination chemistry. Brandi L. Schottel, John Bacsa, Lisa M. Pérez, Jitendra K. Bera and Kim R. Dunbar, 36th ICCC, Merida, Mexico, July 18-23, 2004.

Conference Papers (continued)

197. Structures and properties of complexes formed by 1,4,5,8,9,12-hexaazatriphenylene with the first row transition metals. Mikhail Shatruk, Abdellatif Chouai, Andrey V. Prosvirin and Kim R. Dunbar, 36th ICCC, Merida, Mexico, July 18-23, 2004.

198. Building Block Approaches to Molecular Nanomagnets. Kim Dunbar, John Bacsa, Curtis P. Berlinguette, Kristen Chambers, Ferdi Karadas, Andrew Prosvirin and Eric J. Schelter, 36th ICCC, Merida, Mexico, July 18-23, 2004.

199. Photocleavage *in vitro* by Novel dppz Dirhodium (II/II) Complexes and Correlation to Their Cytotoxicity and Photocytotoxicity to Human Skin Cells. Angeles-Boza, Alfredo M.; Geise, Patricia; Fu, Patty K.-L.; Bacsa, John; Turro, Claudia and Dunbar, Kim R., Philadelphia ACS Meeting, August 21-26, 2004.

200. Single Molecule Magnet Mn_5-Cyanide-Control of the Magnetic Anisotropy. A.V. Palii, S.M. Ostrovsky, S.V. Kunitsky, S. I. Klokishner, B.S. Tsukerblat, J.R. Galán-Mascarós and K.R. Dunbar *Proc. of the* Third International Conference on Mathematical Modeling and Computer Simulation of Material Technologies, Ariel, Israel, September 6-10, 2004.

201. A Series of Lanthanide Based Materials: Syntheses, Structures and Magnetic Properties. Mervin J. Bazile, Jr., Hanhua Zhao, José Ramón Galán-Mascarós, John Bacsa and Kim R. Dunbar, ICMM 2004, Tsukuba, Japan, October 4-8, 2004.

202. Probing Anino-π Interactions in Self-Assembled Inorganic Architectures. Brandi Schottel, Lisa Perez, John Bacsa, Latif Chouai and Kim R. Dunbar, IUCCP, College Station, TX, October 18-20, 2004.

203. Toxicity and Phototoxicity to Human Skin Cells By Novel DPPZ Dirhodium(II/II) Complexes. Angeles-Boza, Alfredo M.; Geise, Patricia; Fu, Patty K.-L.; Bacsa, John; Turro, Claudia; Dunbar, Kim R., IUCCP, College Station, TX, October 18-20, 2004.

204. Building Block Aproach to Molecular Magnets Based on Cyanide-Bridged Paramagnetic Metal Centers. Michael Shatruk, Andrey V. Prosvirin and Kim R. Dunbar, IUCCP, College Station, TX, October 18-20, 2004.

205. A New Type of Single Chain Magnet Based on Spin Canting in an Antiferromagnetically coupled Co(II) Chain. Sun, Zhong-Ming; Prosvirin, Andrey; Zhao, Han-Hua; Mao, Jiang-Gao and Dunbar, Kim R.; 49th Annual Conference on Magnetism and Magnetic Materials, Jacksonville, FL, November 7-11, 2004.

206. Complexes of benzamidazole with the first row transition metals: mononuclear precursors fro molecule-based magnets. Mikhail Shatruk, Andrey V. Prosvirin and Kim R. Dunbar, 49th Annual Conference on Magnetism and Magnetic Materials, Jacksonville, FL, November 7-11, 2004.

207. Synthesis, Characterization and Magnetic Properties of Cyanide-Bridged Tetranuclear Molecules. Ferdi Karadas, Eric J. Schelter, John Bacsa, Andrew Prosvirin and Kim R. Dunbar, 49th Annual Conference on Magnetism and Magnetic Materials, Jacksonville, FL, November 7-11, 2004.

208. Synthesis, characterization and magnet properties of cyanide-bridged tetranuclear clusters. Andrey V. Prosvirin, Hanhua Zhao, John Bacsa, Carolina Avendano and Kim R. Dunbar, San Diego ACS Meeting, March 13-17, 2005.

Conference Papers (continued)

209. Building block approaches to molecular nanomagnets. Kim R. Dunbar, John Bacsa, Kristen E. Chambers, Curtis P. Berlinguette, Ferdi Karadas, Mikhail Shatruk and Eric J. Schelter, San Diego ACS Meeting, March 13-17, 2005.

210. One-dimensional compounds based on cyanide bridged 3d-4f transition metal backbones. Hanhua Zhao, Andrey V. Prosvirin, John Bacsa, Carolina Avendano and Kim R. Dunbar, San Diego ACS Meeting, March 13-17, 2005

211. A systematic study of cyanide-bridged trigonal bipyramidal clusters. Mikhail Shatruk, Andrey V. Prosvirin and Kim R. Dunbar, San Diego ACS Meeting, March 13-17, 2005.

212. Effect of the bridging groups of dirhodium (II,II) complexes on the efficiency of transcription inhibition in vitro. Helen Chifotides, Kim R. Dunbar and Claudia Turro, San Diego ACS Meeting, March 13-17, 2005.

213. Interactions of Dirhodium Biologically Active Complexes with DNA. Helen Chifotides and Kim R. Dunbar, Washington DC ACS Meeting, August 28-September 1, 2005.

214. Anion-π interactions as controlling elements in supramolecular chemistry. Brandi L. Schottel, Helen Chifotides, Mikhail Shatruk, John Bacsa, Lisa M. Perez, Latif Chouai and Kim R. Dunbar, Washington DC ACS Meeting, August 28-September 1, 2005.

215. Binding Interactions of the DNA Fragments d(ApG) and d(GpA) Bound to the Antitumor Active Unit Bix (*N*,*N*′-di-tolylformamidinato)dirhodium(II,II). Helen T. Chifotides and Kim R. Dunbar, Washington DC ACS Meeting, August 28-September 1, 2005.

216. ^{57}Fe Mössbauer and EPR study of a Co/Fe cluster with a charge-transfer-induced spin transition. Alina Dragulescu-Andrasi, Curtis P. Berlinguette, Kim R. Dunbar and Catalina Achim, Washington DC ACS Meeting, August 28-September 1, 2005.

217. Coordination Complexes of 1,4,5,8,9,12-Hexaazatriphenylene and its Hexacarbonitrile Derivative. Brandi L. Schottel, Mikhail Shatruk, Latif Chouai, José Ramón Galán-Mascarós, Andrey Prosvirin and Kim R. Dunbar, Washington DC ACS Meeting, August 28-September 1, 2005.

218. DNA photocleavage and base specificity of dirhodium (II,II) complexes. David B. Turner, Alfredo M. Angeles-Boza, Patty K.L. Fu, Kim R. Dunbar and Claudia Turro, Washington DC ACS Meeting, August 28-September 1, 2005.

219. Enhanced Magnetic Interactions Between Spin Doublet $Fe(CN)_6^{-3}$ Chromophores: Low Temperature Mössbauer Spectroscopy and Magnetic Ordering of $[Gd(H_2O)_2Fe(CN)_6]\cdot 2H_2O$. W.M. Reiff, H. Zhao, J. Bacsa, A. Prosvirin and K.R. Dunbar, International Conference on the Applications of the Mossbauer Effect (ICAME 2005), September 5-9, 2005, Montpellier, France.

220. One-Dimensional Molecular Magnets: 3D-4F Heterometallic Coordination Polymers by Simultaneous Use of Hexacyanometalate Building-Blocking and Tridentate or Bidentate Ligands. Nazario Lopez, Hanhua Zhao, Andrey Prosvirin and Kim R. Dunbar, The Society for Advancement of Chicanos and Native Americans in Science (SACNAS) Conference, Denver, CO, September 29-October 2, 2005.

Conference Papers (continued)

221. Chemical Control of the DNA Light Switch ON and OFF. Abdellatif Chouai, Yal Liu, Natalya N. Degtyareva, Daniel A. Lutterman, Claudia Turro and Kim R. Dunbar, IUCCP, College Station, TX, October 17-19, 2005.

222. Anion-π interactions as controlling elements in supramolecular chemistry. Brandi L. Schottel, Helen Chifotides, Mikhail Shatruk, John Bacsa, Lisa M. Perez, Latif Chouai and Kim R. Dunbar, IUCCP, College Station, TX, October 17-19, 2005.

223. The formation of New Tetrathiafulvalene-Containing Complexes. Eric W. Reinheimer, José Ramón Galán-Mascarós and Kim R. Dunbar, IUCCP, College Station, TX, October 17-19, 2005. Received IUCCP Outstanding Poster Presentation in General Chemistry

224. Magnetic Studies of Molecules and Chains of Molecules with Strong Spin-Orbit Coupling Effects. Kim R. Dunbar, Pacifichem, Honolulu, HI, December 15-20, 2005.

225. Polynuclear cyanide-bridged clusters exhibiting spin-crossover behavior. Michael Shatruk, Kristen Chambers, Alina Dragulescu-Andrasi, Catalina Achim and Kim R. Dunbar, Atlanta ACS Meeting, March 26-30, 2006.

226. Excited state reactivitiy of dirhodium complexes: DNA binding, photocleavage, and photoinduced cytotoxicity. Claudia Turro, Daniel A. Lutterman, Yao Liu, Natalya N. Degtyareva, Abdellatif Chouai, Alfredo M. Angeles-Boza and Kim R. Dunbar, Atlanta ACS Meeting, March 26-30, 2006.

227. Anion-π Interactions in Supramolecular Chemistry. Brandi L. Schottel, Helen Chifotides, Mikhail Shatruk, Abdellatif Chouai, Lisa M. Perez and Kim R. Dunbar, 37th International Chemistry Coordination Conference 2006, Capetown, South Africa, August 12-17, 2006.

228. Molecular cyanide complexes with interesting magnetic, redox, and spin-crossover behavior. K.Dunbar, C. Avendano, K. Chambers, F. Karadas, A. Prosvirin, M. Shatruk, C. Achim, A. Gragulescu-Andrasi, C. Berlinguette and E. Schelter, 10th International Conference on Molecule-based Magnets, Victoria, British Columbia, Canada, August 13-17, 2006.

229. Magnetic Relaxation in Cyanide Based Single Molecule Magnets. S.Klokishner, S. Ostrovsky, A. Palii, and K.Dunbar, The International Symposium on the Jahn-Teller Effect: Novel Aspects in Orbital Physics and Vibronic Dynamics of Molecules and Crystals, Trieste, Italy, August 23-31, 2006.

230. Effects of Vibronic Interaction in Cyano-Bridged Clusters Containing Mn(III) and Mn(II) Ions. S.M. Ostrovsky, S.I. Kloksihner, A.V. Palii and K.R. Dunbar, The International Symposium on the Jahn-Teller Effect: Novel Aspects in Orbital Physics and Vibronic Dynamics of Molecules and Crystals, Trieste, Italy, August 23-31, 2006.

231. Theoretical Investigations of the Role of Anion-π; Interactions play in Polygon Formations (presented as a poster and a talk). Brandi L. Schottel, Lisa M. Perez, Helen Chifotides, Mikhail Shatruk and Kim R. Dunbar, San Francisco ACS Meeting, September 10-14, 2006.

232. Anion-π Interactions in Transition Metal Coordination Compounds. Brandi L. Schottel, Helen Chifotides, Mikhail Shatruk, Latif Chouai, Lisa M. Perez and Kim R. Dunbar, San Francisco ACS Meeting, September 10-14, 2006.

233. Cyanide linkage isomerism and spin crossover behavior in pentanuclear cyanide-bridged clusters. Mikhail Shatruk, Alina Dragulescu-Andrasi, Kristen E. Chambers, Andrey V. Prosvirin, Catalina Achim and Kim R. Dunbar, San Francisco ACS Meeting, September 10-14, 2006.

Conference Papers (continued)

234. Orbital Effects in Single Molecule Magnets and Single Chain Magnets. S.I. Klokishner, S.M. Ostrovsky, O.S. Reu, A.V. Palii, B.S. Tsukerblat and K.R. Dunbar, European Conference on Molecular Magnetism-2006, Tomar, Portugal, October 10-15, 2006.

235. Magnetic Anisotropy in the Octanuclear Mn_4Re_4 Single Molecule Magnet: Quantum-Spin and Classical-Spin Approaches. S.M. Ostrovsky, A.V. Palii, S.I. Klokishner, B.S. Tsukerblat, E.J. Schelter, A.V. Prosvirin and K.R. Dunbar, European Conference on Molecular Magnetism-2006, Tomar, Portugal, October 10-15, 2006.

236. Molecular cyanide complexes with interesting magnetic, redox and spin-crossover behavior. K. Dunbar, C. Achim, C. Avendano, C. Berlinguette, K. Chambers, A. Dragulescu-Andrasi, F. Karadas, S. Klokishner, J. Krzystek, S. Ostrovsky, A. Palii, A. Prosvirin, M. Shatruk and E. Schelter, European Conference on Molecular Magnetism-2006, Tomar, Portugal, October 10-15, 2006.

237. A computational study of anion-π interactions with complex anions. Ian D. Giles, Brandi L. Schottel, Lisa M. Perez, Helen Chifotides, Kim R. Dunbar, IUCCP, College Station, October 16-18, 2006

238. A Porous 2-D Metal-Organic Framework Magnetic Material. Nazario Lopez, A.V. Prosvirin, A. Chouai and Kim R. Dunbar, College Station, Texas IUCCP conference, October 16-18, 2006.

239. Cyanide Linkage Isomerism and Spin Crossover behavior in Trigonal-Bipyramidal Cyanide Clusters. Kristen Chambers, Mikhail Shatruk, Alina Dragulescu-Andrasi, Catalina Achim and Kim R. Dunbar, College Station, Texas IUCCP, October 16-18, 2006.

240. A Porous 2-D Metal-Organic Framework Magnetic Material. Nazario Lopez, A.V. Prosvirin, A. Chouai and Kim R. Dunbar, Tampa Flordia National SACNAS Conference, October 26-19, 2006.

241. Molecular magnets based on lanthanide ions and the $TCNQF_4$. Nazario Lopez, Hanhua Zhao, Andrey V. Prosvirin, Abdellatif Chouai, and Kim R. Dunbar, Chicago ACS Meeting, March 24-29, 2007 .

242. Investigations into anion-π interactions involving complex anions. Ian Giles, Brandi Schottel, Lisa M. Perez, and Kim R. Dunbar, Chicago ACS Meeting, March 24-29, 2007.

243. Theoretical and experimental investigations of anion-π interactions with complex anions. Brandi L. Schottel, Ian D. Giles, Lisa M. Perez, Kim R. Dunbar, Chicago, ACS Meeting March 24-29, 2007

244. Investigations into anion-π interactions involving complex anions. Ian Giles, Brandi Schottel, Lisa M. Perez, and Kim R. Dunbar, Chicago ACS Meeting, March 24-29, 2007.

245. Investigation into anion-π interactions between π-deficient aromatic systems and complex anions. Ian Giles, Brandi Schottel, Lisa M. Perez, Helen Chifotides, and Kim R. Dunbar, Boston ACS Meeting, August 19-23, 2007.

246. Investigation into anion-π interactions between π-deficient aromatic systems and complex anions. , Brandi Schottel, Ian D. Giles, Lisa M. Perez, Helen Chifotides, and Kim R. Dunbar, Boston ACS Meeting, August 19-23, 2007.

247. The influence of anion-π interactions involving polyatomic anions on the self-assembly of coordination compounds. Brandi L. Schottel, Ian D. Giles, Helen T. Chifotides, Lisa M. Perez, Kim R. Dunbar. Boston ACS Meeting, August 19-23, 2007.

Conference Papers (continued)

248. Synthesis of Threaded Bimetallic DNA Metallointercalators as Moderators of Charge Transfer. Benjamin R. Duffus, Abdellatif Chouai, J. Dafhne Aguirre, Claudia Turro, and Kim R. Dunbar, IUCCP, College Station, TX, October 29-30, 2007.

249. Computational study of complex anions in the presence of conjugated olefin systems: Can these Be Considered Anion – π. Edward S. Funck, Ian D. Giles, Lisa M. Perez, Kim R. Dunbar, IUCCP, College Station, TX, October 29-30, 2007

250. Charge-Transfer-Induced Spin Transition and Photomagnetic Behavior in a Trigonal-Bipyramidal Cyanide Cluster and it's Extended Materials, Kristen E. Funck, Rodolphe Clerac, Curtis Berlinguette, Alina Dragulescu-Andrasi, Andreas Seiber, Hans-Ulrich Gudel, Catalina Achim, Kim R. Dunbar, IUCCP, College Station, TX, October 29-30, 2007

251. Investigation into anion-π interactions between π-deficient aromatic systems and complex anions. Ian Giles, Brandi Schottel, Lisa M. Perez, and Kim R. Dunbar, IUCCP, College Station, TX, October 29-30, 2007

252. Bridging theory and experiment: rational design of molecules based on theoretical predictions. Carolina Avendano, Mikhail Shatruk, and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

253. Derivatization of Cyanide-Bridged Molecular Clusters to Enhance Their Physical and Magnetic Properties. Ferdi Karadas, Carolina Avendano, Eric J. Schelter, Mikhail Shatruk, Andrey Prosvirin, and Kim R. Dunbar, New Orleans ACS Meeting, April 5 – 11, 2008.

254. Investigations into the interactions between complex anions and conjugated olefinic systems: Can these be considered anion-π. Edward S. Funck, Ian D. Giles, Helen T. Chifotides, Lisa M. Perez, and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

255. Threaded bimetallic DNA metallointercalators as moderators of charge transfer. Benjamin R. Duffus, Abdellatif Chouai, Claudia Turro, and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

256. Supermicroporous silica-based SiO_2-Al_2O_3-NiO materials: Solid-state NMR, NMR relaxation and magnetic susceptibility. Vladimir I. Bakhmutov, Boris G. Shpeizer, Andrey V. Prosvirin, Abraham Clearfield, and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

257. Anion-π interactions with complex anions: A computational study. Ian D. Giles, Brandi L. Schottel, Helen T. Chifotides, Lisa M. Perez, and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

258. Synthesis, single crystal X-ray crystallography, and properties of Cu complexes with $TCNQBr_2$. Hanhua Zhao, Nazario Lopez, Andrey V. Prosvirin, Eric W. Reinheimer, and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

259. Preparation and properties of cyanide-bridged complexes incorporating 4d and 5d transition metals. Matthew G. Hilfiger, Hanhua Zhao, Andrey V. Prosvirin, Alina Dragulescu-Andrasi, Michael Shatruk, Wolfgang Wersdorfer, Catalina Achim, and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

Conference Papers (continued)

260. Charge-transfer-induced spin transition and photomagnetic behavior in a trigonal-bipyramidal cyanide cluster and its extended materials. Kristen E. Funck, Rodolphe Clerac, Curtis P. Berlinguette, Corine Mathoniere, Remy LeBris, Etienne Harte, Alina Dragulescu-Andrasi, Catalina Achim, and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

261. Metal-Organic Frameworks based on metal ions and organocyanide ligands. Nazario Lopez, Hanhua Zhao, Andrey V. Prosvirin, Eric W. Reinheimer, and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

262. Novel cobalt (II) carboxylate- phosphonate: A canted antiferromagnet. Andrey V. Prosvirin, Bing-Ping Yang, Ya-Qin Guo, Jiang-Gao Mao, and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

263. Bridging the bilingual gap: using chemistry to enhance science education in the bilingual classroom. Matthew G. Hilfiger, Carolina Piedra, Carolina Avendano, Christi Everett, Kim R. Dunbar and Eric Simanek, New Orleans ACS Meeting, April 5-11, 2008.

264. Monosubstituted dirhodium (II,II) complexes: Effect of the intercalating moiety. J. Daphne Aguirre, Alfredo M. Ageles-Boza, Abdellatif Chouai and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

265. Anion-π interactions and their effect on the anion-templation of polygonal metal architectures. Ian D Giles, Brandi L. Schottel, Helen T. Chifotides, Lisa M. Perez and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

266. Metal-organic frameworks based on 3-D transition metal ions and TCNQX derivatives: (X: F_4, Br_2), Nazario Lopez, Hanhua Zhao, Andrey V. Prosvirin, Eric W. Reinheimer and Kim R. Dunbar, New Orleans ACS Meeting, April 5-11, 2008.

267. Interactions of dirhodium anticancer compounds with DNA. Kim R. Dunbar and Helen T. Chifotides, New Orleans ACS Meeting, April 5-11, 2008.

268. Incorporation of Both Cyanide and Organocyanide Ligands into Molecules and Extended Solids that Incorporate Cluster Building Blocks. Kim R. Dunbar. 2nd Workshop on "Current trends in Nanoscopic and Mesoscopic Magnetism", September 1-5, 2008, Delphi, Greece.

269. Magnetic and conducting metal-organic framework chains with TCNQ. Akira Ota, Andrey Prosvirin, and Kim R. Dunbar. 11th International Conference on Molecule-based Magnets.September 21-24, 2008, Convitto della Calza, Florence, Italy.

270. Molecular Magnets and Conductors Based on Metal Ions and TCNQ Derivatives. Nazario Lopez, Hanhua Zhao, Akira Ota, Andrey V. Prosvirin and Kim R. Dunbar. 11th International Conference on Molecule-based Magnets.September 21-24, 2008, Convitto della Calza, Florence, Italy.

271. Formation of Ni/NiO nanoparticles in Supermicroporous Silica-Based SiO_2-Al_2O_3-NiO Materials: structural and magnetic studies. Vladimir I. Bakhmutov, Boris G. Shpeizer, Andrey V. Prosvirin, Kim R. Dunbar, Abraham Clearfield. "IEEE-NANO 2008". 8th IEEE Conference on Nanotechnology, August 18-21, 2008. Arlington, Texas.

Conference Papers (continued)

272. Unprecedented Binary Semiconductors Based on TCNQ: Single Crystal X-ray Studies and Physical Properties of Cu(TCNQX_2) X = Cl, Br. Nazario Lopez, Hanhua Zhao, Akira Ota and Kim R. Dunbar, Gordon Research Conference on Inorganic Chemistry, June 21-26, 2009. University of New England, Biddeford, ME.

273. Investigations of interactions between anions and multi-ring aromatic systems in solution and in the solid state: Anion-π or charge-transfer interactions? Edward S. Funck, Helen T. Chifotides, Lisa M. Perez, Kim R. Dunbar, Washington DC, ACS Meeting, August 16-20, 2009.

274. New Prussian blue phases based on hexacyanoosmate (III), Matthew G. Hilfiger, Darryl Stepien, Carolina Avendano, Codi Sanders, Andrey Prosvirin, and Kim R. Dunbar, Washington DC, ACS Meeting, August 16-20, 2009.

275. Binary phases of p-block metal TCNQ materials: Sturcture-property correlations, Carolina Avendano, Akira Ota, Zhongyue Zhang, Nattamai Bhuvanesh, Hanhua Zhao, and Kim R. Dunbar, Washington DC, ACS Meeting, August 16-20, 2009.

276. Photomagnetic Behavior in Trigonal-Bipyramidal Cyanide Clusters, Kristen E. Funck, Andrey Prosvirin, Rodolphe Clerac, Corine Mathoniere, Remy Le Bris, Etienne Harte, Curtis P. Berlinguette, Michael Shatruk, and Kim R. Dunbar, Washington DC, ACS Meeting, August 16-20, 2009.

277. Design and preparation of higher nuclearity clusters and chains using cyanide molecular nanomagnets as buiding blocks, Ferdi Karadas, Carolina Avendano, Andrey V. Prosvirin, and Kim R. Dunbar, Washington DC, ACS Meeting, August 16-20, 2009.

278. Interactions of substituted dirhodium(II,II)/dppz complexes with cysteine/T7 RNA polymerase:Investigation of their EPR active radicals. Helen T. Chifotides, J. Dafhne Aguirre, Alfredo M. Angeles-Boza, Abdellatif Chouai, Claudia Turro, and Kim R. Dunbar, Washington DC, ACS Meeting, August 16-20, 2009.

279. Charge-transfer and anion-p interactions between 1,4,5,8,9,12-hexaazatriphenylene-hexacarbonitrile and halide anions. Helen T. Chifotides, Brandi L. Schottel, and Kim R. Dunbar, Washington DC, ACS Meeting, August 16-20, 2009.

280. Unprecedented Binary Semiconductors Based on TCNQ: Single Crystal X-ray Studies and Physical Properties of Cu(TCNQX_2) X = Cl, Br. Nazario Lopez, Hanhua Zhao, Akira Ota, and Kim R. Dunbar, National SACNAS Conference, October 15-18, 2009. Dallas, Texas.

281. Supramolecular nanotubes based on Ln(III) ions and tptz ligands: gas sorption and single crystal X-ray studies of [Ln(tptz)$(HCOO)_3$]·2.5H_2O (Ln = Pr, Sm). Nazario Lopez, Hanhua Zhao, Dan Zhao, Hong-Cai Zhou, and Kim R. Dunbar. San Francisco, ACS Meeting March 22-26, 2010.

282. Trigonal bipyramidal cyanide clusters as building blocks for higher nuclearity molecules and chains. Kristen E. Funck, Curtis P. Berlinguette, Michael Shatruk, Andrey V. Prosvirin, Kim R. Dunbar. San Francisco, ACS Meeting March 22-26, 2010.

283. Supramolecular nanotubes based on Ln(III) ions and tptz ligands: Gas sorption and single crystal X-ray studies of [Ln(tptz)$(HCOO)_3$]·2.5H_2O (Ln = Pr, Sm) Nazario Lopez, Dr. Hanhua Zhao, Dan Zhao, Prof. Hong-Cai Zhou, Kim R. Dunbar. Boston, ACS Meeting August 22-16, 2010.

Conference Papers (continued)

284. Increasing the Barrier Height of Single Molecule Magnets by Incorporating Highly Anisotropic Metal Ions into Cyanide Bridged Metal Clusters Heather Southerland, Carolina Avendano, Wolfgang Wersndorfer, Andrey Prosvirin, Kim R. Dunbar, Spring 2011 ISSMMM Meeting, Argonne National Laboratory, IL, March 14-18, 2011.

285. First example of main-group binary conducting MOFs and their structure-property correlations: Tl(TCNQ) and Tl(TCNQX_2) (X=Cl, Br, I). Zhongyue Zhang, Carolina Avendano, Hanhua Zhao and Kim R. Dunbar, Spring 2011 ISSMMM Meeting, Argonne National Laboratory, IL, March 14-18, 2011.

286. Spectroscopic and crystallographic analysis of anion-templation in square and pentagonal architectures of divalent first-row transition metal ions. Ian D. Giles, Helen T. Chifotides and Kim R. Dunbar. 241st ACS Meeting, March 27-31, 2011.

287. A Foray in Wernerain and Non-Wernerian Chemistry Over the Years. *50th Anniversary of the ACS journal, Inorganic Chemistry,* 242nd ACS Meeting, Denver, Colorado, August 2, 2011.

288. Synthesis and characterization of dirhodium based metallopeptides: Facilitating drug delivery systems from cell translocation. Amanda David, Jean-Philippe Pellois, and Kim R Dunbar. Fall 2011 Southwest Regional ACS Meeting, Austin, Texas, November 9-12, 2011.

289. Increasing the Barrier Height of Single Molecule Magnets by Incorporating Highly Anisotropic Metal Ions into Cyanide Bridged Metal Clusters. Heather Southerland and Kim R. Dunbar. Fall 2011 Southwest Regional ACS Meeting, Austin, Texas, November 9-12, 2011.

290. Enriching Magnetic Properties Through Single Ion Anisotropy. Mohamed Saber and Kim R. Dunbar. Fall 2011 Southwest Regional ACS Meeting, Austin, Texas, November 9-12, 2011.

291. Ruthenium (II) Bis-acetonitrile Complexes as Photocisplatin Analogues. Bruno Pena and Kim R. Dunbar. Fall 2011 Southwest Regional ACS Meeting, Austin, Texas, November 9-12, 2011.

292. Supramolecular Chemistry of Anions with Electron-Deficient Aromatic Rings: Examples of the Critical Roles of Anion-Pi Interactions. Helen Chifotides, Ian Giles and Kim R Dunbar, Fall 2011 Southwest Regional ACS Meeting, Austin, Texas, November 9-12, 2011.

293. Investigation of $[Rh_2(\mu\text{-L-L})_2(CH_3CN)_6[BF_4]_2$ "Partial Paddlewheel" Compounds as Photodynamic Therapy Agents. Zhanyong Li and Kim R, Dunbar. Fall 2011 Southwest Regional ACS Meeting, Austin, Texas, November 9-12, 2011.

294. Introduction of Highly Anisotropic Building Blocks into Small Molecule Clusters: Probing the Role of Spin-orbit Coupling Effects on Single Molecule Magnet Behavior. Andrew Brown and Kim R. Dunbar, Fall 2011 Southwest Regional ACS Meeting, Austin, TX, November 9-12, 2011.

295. Use of 4d and 5d Trivalent Anions to Engender Greater Magnetic Anisotropy. Codi Anne Sanders, Matthew Hilfiger, Andrey Prosvirin and Kim R. Dunbar, Fall 2011 Southwest Regional ACS Meeting, Austin, TX, November 9-12, 2011.

296. Investigation of $[Rh_2(\mu\text{-L-L})_2(CH_3CN)_6[BF_4]_2$ "partial paddlewheel" compounds as photodynamic therapy agents. Zhanyong Li, Claudia Turro, and Kim R. Dunbar. 243rd ACS National Meeting, San Diego, CA, March 25-29, 2012.

Conference Papers (continued)

297. Synthesis and characterization of dirhodium based metallopeptides: Facilitating drug delivery systems for cell translocation. Amanda David, Jean Philippe Pellois, and Kim R. Dunbar. 243rd ACS National Meeting, San Diego, CA, March 25-29, 2012.

298. Insight into the Photoinduced Ligand Exchange Reaction Pathway of *cis*-$[Rh_2(O_2CCH_3)_2(CH_3CN)_6]^{2+}$ with a DNA Model Chelate. Helen T. Chifotides, Daniel A. Lutterman, Kim R. Dunbar and Claudia Turro. 243rd ACS National Meeting, San Diego, CA, March 25-29, 2012.

299. Polypyridine ruthenium (II) bis-acetonitrile complexes as photocisplatin analogs. Bruno Pena, Nick Lead, Claudia Turro, and Kim Dunbar. 243rd ACS National Meeting, San Diego, CA, March 25-29, 2012.

300. Dinuclear metal-metal bonded compounds as new PDT agents. Kim R. Dunbar. 243rd ACS National Meeting, San Diego, CA, March 25-29, 2012.

301. Recent progress of developing new metal-organic hybrid semiconductors with TCNQ derivatives. (TCNQ=7,7,8,8-tetracyanoquinodimethane) Zhongyue Zhang, Hanhua Zhao and Kim R. Dunbar 2012 Gordon Research Confernce on Crystal Engineering, Waterville Valley Resort, Waterville Valley NH, June 10-15, 2912

302. Molecular Magnets Based on Metal Cyanide Building Blocks: Single Molecule Magnetism, Spin-Crossover and Charge-Transfer Induced Spin Transitions. Kim R., Dunbar "Exxon Mobil Solid State Chemistry Faculty Fellow Award Symposium in Honor of Michael Shatruk" 244th ACS National Meeting, Philadelphia, PA, August 21, 2012.

303. Single-Ion Anisotropy in Ti^{III}Building Blocks. Andrew Brown, Andrew Prosvirin, and Kim R. Dunbar. 13th International Conference on Molecule-based Magnets, Orlando, October 7-11, 2012.

304. Magnetic Architectures Derived from Heptacyanomolybdate (III). K. R. Dunbar, X. Y Want, Q.L. Wang, H. Southerland, H. Zhao, and A. Prosvirin. 13th International Conference on Molecule-based Magnets, Orlando, October 7-11, 2012.

305. Enhancing Magnetic Properties of Molecular Magnetic Materials: The Role of Single Ion Anisotropy. M. R. Saber, A. P. Prosvirin, K. R. Dunbar. 13th International Conference on Molecule-based Magnets, Orlando, October 7-11, 2012.

306. Investigating the Role of 4d and 5d Trivalent Hexacyanometallate Anions in Analogs of Prussion blue and Prussian Blue-type Magnetic Materials. Codi Sanders, Andrew Prosvirin, and Kim R. Dunbar. 13th International Conference on Molecule-based Magnets, Orlando, October 7-11, 2012.

307. Exploring the Magnetic Coupling Capabilities of a Tetrazine-Based Radical Ligand. T. J. Woods, J. V. Frank, A. Prosvirin, K. R. Dunbar. 13th International Conference on Molecule-based Magnets, Orlando, October 7-11, 2012.

308. Metal-Organic Framewords with Tunable Magnetic Properties. M. Wriedt, A. A. Yakovenko, A. Prosvirin, K. R. Dunbar, H.-C. J. Zhou. 13th International Conference on Molecule-based Magnets, Orlando, October 7-11, 2012.

309. Magnetic Coupling in Metal-Organic Frameworks through 7,7,8,8-Tetracyanoquinodimethane Dianion. Xuan Zhang, Lei Sun, Andrey V. Prosvirin, Kim R. Dunbar. 13th International Conference on Molecule-based Magnets, Orlando, October 7-11, 2012. *Selected for a Poster Prize*

Conference Papers (continued)

310. Development of metal-TCNQ Conductors and Magnets: (TCNQ=7,7,8,8-tetracyanoquinodimethane). Zhongyue Zhang, Hanhua Zhao and Kim R. Dunbar. 13th International Conference on Molecule-based Magnets, Orlando, October 7-11, 2012.

311. Structural Characterization and Magnetic Properties of a New Isomer of the Single Molecule Magnet $Mn_{12}O_{12}(CH_3COO)_{16}(H_2O)_4$. Hanhua Zhao, Andrew Prosvirin and Kim R. Dunbar. 13th International Conference on Molecule-based Magnets, Orlando, October 7-11, 2012.

312. A series of One Dimensional Compounds Based on the hexacyanomagnagate (III) Anion Including a Single Chain Magnet. Hanhua Zhao, Andrew Prosvirin and Kim R. Dunbar. 13th International Conference on Molecule-based Magnets, Orlando, October 7-11, 2012.

313. Anion-Pi Interactions in Supramolecular Architectures. Kim R. Dunbar. *F. Albert Cotton Award in Synthetic Inorganic Chemistry in Honor of Gregory H. Robinson*, 245th ACS National Meeting, New Orleans Louisiana, April 11, 2013.

314. The First Fluorophore-Labeled Metal-Metal Bonded Compound: Probing Anticancer Activity. Bruno Peña, Rola Barhoumi, Robert C. Burghardt and Kim R. Dunbar. Graduate Student Symposium on Excellence in Chemical Research, Sponsored by BASF - The Chemical Company. August 1, 2013.

315. New Dirhodium(II,II) Complexes with Redox Active Excited States and their Potential Use in Solar Energy Conversion. Zhanyong Li, Nicolas A. Leed, Claudia Turro, Kim R. Dunbar. Graduate Student Symposium on Excellence in Chemical Research, Sponsored by BASF - The Chemical Company. August 1, 2013.

316. Enhancing zero field splitting parameters in mononuclear vanadium complexes. Mohamed R. Saber and Kim R. Dunbar. Graduate Student Symposium on Excellence in Chemical Research, Sponsored by BASF - The Chemical Company. August 1, 2013.

317. Investigating the Role of Anisotropic Trivalent Hexacyanometallate Anions in Magnetic Materials. Codi Sanders, Heather Stout, Catalina Achim and Kim R. Dunbar. Graduate Student Symposium on Excellence in Chemical Research, Sponsored by BASF - The Chemical Company. August 1, 2013.

318. Next Generation Nanoelectronics: Single-Molecule Magnets for Computing and Data Storage. Andrew Brown and Kim Dunbar. Graduate Student Symposium on Excellence in Chemical Research, Sponsored by BASF - The Chemical Company. August 1, 2013.

319. Fluoride: An Under-Explored Ligand for the Synthesis of Molecular Magnetic Materials. Toby J. Woods, Xinyi Wang, Andrey Prosvirin, and Kim R. Dunbar. Graduate Student Symposium on Excellence in Chemical Research, Sponsored by BASF - The Chemical Company. August 1, 2013.

320. Multifunctional Molecular Materials Based on Transition Metals and Organocyanide Ainons. Xuan Zhang and Kim Dunbar. Graduate Student Symposium on Excellence in Chemical Research, Sponsored by BASF - The Chemical Company. August 1, 2013.

321. Exploration of Dicyanoquinodiimine Anions as Bridging Ligands in Mixed Valence Dinuclear Metal Complexes. Charles Culbertson, Xuan Zhang, and Kim Dunbar. Graduate Student Symposium on Excellence in Chemical Research, Sponsored by BASF - The Chemical Company. August 1, 2013.

Conference Papers (continued)

322. Cytotoxicity studies of a new series of dirhodium (II,II) compounds containing mixed bridging ligands. Amanda David, Bruno Peña, Briana Zamora, Jean-Philippe Pellois, and Kim R. Dunbar. Graduate Student Symposium on Excellence in Chemical Research, Sponsored by BASF - The Chemical Company. August 1, 2013.

323. Extended superstructures developed from Supramolecular Anion-π Templated Metallacycles. Jill Frank and Kim Dunbar. Graduate Student Symposium on Excellence in Chemical Research, Sponsored by BASF - The Chemical Company. August 1, 2013.

324. Magnetic Molecules With Strong Anisotropy. Kim R. Dunbar *Symposium: New Trends in Molecular Magnetic Materials*, 246th ACS National Meeting, Indianapolis, Indiana, September 8-12, 2013.

325. First Fluorophore-Labeled Metal-Metal Bonded Compound: Probing Anticancer Activity. Bruno Peña, Rola Barhoumi, Robert C. Burghardt, Kim R. Dunbar, Southwest Regional ACS Meeting 2013, November 16-18, 2013.

326. New partial paddlewheel dirhodium methyl isocyanide compounds with unusual structural and electronic properties: A comprehensive experimental and theoretical Study. Zhanyong Li, Helen Chifotides, Kim R. Dunbar, Southwest Regional ACS Meeting 2013, November 16-18, 2013.

327. Binding Motifs and Interactions of Anticancer Metal-Metal Bonded Complexes with DNA. Helen Chifotides and Kim R. Dunbar Southwest Regional ACS Meeting 2013, November 16-18, 2013.

328. Exploration of Magnetic Coupling through the Dicyanamidobenzene Anion Bridge in Dinuclear Metal Complexes, Charles Culbertson, Xuan Zhang, and Kim Dunbar, 247th ACS National Meeting, Dallas, Texas, March 16-20, 2014.

329. Extended superstructures developed from Supramolecular Anion-π Templated Metallacycles, Jill Frank and Kim R. Dunbar, 247th ACS National Meeting, Dallas, Texas, March 16-20, 2014.

330. Supramolecular Chemistry of Anions with Pi-Acidic Rings: Organic, Inorganic and Biological Studies, Kim R. Dunbar, 247th ACS National Meeting, Dallas, Texas, March 16-20, 2014.

331. Tuning the spin transitions in hexacyanometallate containing magnetic materials, Codi Sanders, Heather Stout, Catalina Achim, Doros Petasis, Kim R. Dunbar, 247th ACS National Meeting, Dallas, Texas, March 16-20, 2014.

332. Directional charge transfer and highly reducing excited states of new dirhodium(II,II) complexes: potential applications in solar energy conversion, Zhanyong Li, Nicholas Leed, Claudia Turro and Kim R. Dunbar, 247th ACS National Meeting, Dallas, Texas, March 16-20, 2014.

333. Anticancer Properties of Ruthenium(II) Polypyridine Compounds With Anionic N^O-donor Bidentate Ligands, Bruno Peña, Rola Barhoumi, Kim R. Dunbar, 247th ACS National Meeting, Dallas, Texas, March 16-20, 2014.

334. Probing anion-π interactions of metallacycles with the π -acidic ligand 3,6-bis(2-pyridyl)-1,2,4,5-tetrazine (bptz) by NMR spectroscopy, Helen T. Chifotides and Kim R. Dunbar, 247th ACS National Meeting, Dallas, Texas, March 16-20, 2014.

Conference Papers (continued)

335. Cytotoxicity studies of a new series of dirhodium (II,II) compounds containing mixed bridging ligands, Amanda David, Bruno Peña, Jean-Philippe Pellois, and Kim R. Dunbar, 247th ACS National Meeting, Dallas, Texas, March 16-20, 2014. Highlighted in C&EN news, "Rhodium expands collection of metal-based anticancer agents", August 13, 2014.

336. Underexplored Magnetic Architectures Based on TrivalentTitanium and Molybdenum, Andrew Brown and Kim R. Dunbar, 247th ACS National Meeting, Dallas, Texas, March 16-20, 2014.

337. Enhancing zero field splitting parameters in mononuclear vanadium complexes, Mohamed R. Saber, Kimalavalli Thirunavukkuarasu, Stephen Hill and Kim R. Dunbar, 247th ACS National Meeting, Dallas, Texas, March 16-20, 2014.

338. Dirhodium (II,II) pyrrolidonato compounds and their applications as anticancer agents, Amanda David, Nandhini Muthukrishnan, Jean-Philippe Pellois, and Kim R. Dunbar, 248th ACS National Meeting, San Francisco, CA, August 10-14, 2014.

339. Exploring the Magnetic Coupling Capabilities of a Tetrazine-Based Radical Ligand, T. J. Woods, M. F. Ballesteros-Rivas, K. R. Dunbar, 248th ACS National Meeting, San Francisco, CA, August 10-14, 2014.

340. Synthesis and Characterization of New Heavy Element Cyanide Compounds, Francisco J. Birk, Dawid Pinkowicz, Yuanzhu Zhang, and Kim R. Dunbar, 248th ACS National Meeting, San Francisco, CA, August 10-14, 2014.

341. Enhancing zero field splitting parameters in mononuclear vanadium complexes, Mohamed R. Saber, Kimalavalli Thirunavukkuarasu, Stephen Hill and Kim R. Dunbar, 247th ACS National Meeting, Dallas, Texas, March 16-20, 2014.

342. Prolate Lanthanide Mononuclear Single-Molecule Magnets in a Trigonal Pyramidal Coordination Environment, Andrew J. Brown, Dawid Pinkowicz, Mohamed Saber, and Kim R. Dunbar, Gordon Research Conference on Conductivity & Magnetism in Molecular Materials, Lewiston, ME, August 3-8, 2014.

343. Metal-TCNQ-Based Functional Materials with Semiconducting and Magnetic Properties, Xuan Zhang, Hanhua Zhao, Zhao-Xi Wang, Yuan-Zhu Zhang, Andrey Prosvirin, Kim R. Dunbar, Gordon Research Conference on Conductivity & Magnetism in Molecular Materials, Lewiston, ME, August 3-8, 2014.

344. Semiconductors and Aperiodic Structures in Organocyanide-Based Materials, Xuan Zhang, Hanhua Zhao, Lukas Palatinus, Kevin Gagnon, John Bacsa, Kim R. Dunbar, 23rd Congress of the International Union of Crystallography, Montreal, Canada, August 5-12, 2014.

345. Giant Magnetic Anisotropy in Mononuclear Cobalt(II) Complexes with Trigonal Antiprism Geometry, Yuan Zhu Zhang, Andrew J. Brown, and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

346. Investigating the magnetic properties of metal complexes containing a tris(amido)amine ligand, Francisco J. Birk, Kelsey Schulte, Dawid Pinkowicz and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

347. Supramolecular chemistry of anions: Organic, Inorganic and Biological Studies, Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

Conference Papers (continued)

348. Biological Studies of Dirhodium (II,II) Based Compounds and their Applications as PhotoChemotherapeutic Agents, Amanda David, Zhanyong Li, Bruno Peña, Jean-Philippe Pellois, and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

349. Anion-π Contacts in Supramolecular Architectures, Helen T. Chifotides and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

350. Computational Exploration of the Non-Covalent Interactions involved in the Inhibition of Malate Synthase for Treatment of Tuberculosis, Jill Frank, Steven Wheeler, James C. Sacchettini, and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

351. Using Supramolecular Pentagonal Building Blocks to acces New Polyhedral Architectures, Jill Frank, Helen T. Chifotides, Brad Ewers, Alison Pawlicki, James Batteas, Steven Wheeler, and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

352. A series of trigonal bipyramidal Co(II) complexes that display SMM behavior, M.F. Ballesteros-Rivas, T.J. Woods, K. R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

353. Ligand Effects and Geometrical Control of the Magnetic Anisotropy in Mononuclear SMMs, Mohamed R. Saber, and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

354. Synthesis, Characterization and Photochemical Studies of Solvated Dinuclear Ru(II) Compounds with Quinoxaline and Pyrazine based Bridging Ligands, Sayan Saha, Bruno Peña, Bryan A. Albani, Claudia Turro, and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

355. Guest Modulated Magnetic Ordering in TCNQ-based Metal-Organic Frameworks, Xuan Zhang, Mohamed Saber, Andrey V. Prosvirin, Lei Sun, Joseph H. Reibenspies, and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

356. Solvent effects on the spin transitions in discrete cyanide-based magnetic materials, Codi Sanders, Heather Stout, Catalina Achim, Doris Petasis, and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

357. Tunable Dirhodium Complexes for Photochemotherapy: Enhanced Production of Singlet Oxygen and Oxygen-Independent Activity Towards Cancer Cells, Kim R. Dunbar and Claudia Turro, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

358. "Reinventing the wheel" with heptacyanomolybdate(III), David Kempe, Han-Hua Zhao, Toby Woods, Mohamed Saber, and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

359. Dinuclear complexes as model systems to explore magnetic coupling through tetrazine-based radical ligands, T.J. Woods, M.F Ballesteros-Rivas, and K.R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

360. Dinuclear Lanthanide complexes Containing a Radical Bridging Ligand, T.J. Woods, M.F. Ballesteros-Rivas, and K.R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

361. Semiconducting and Magnetic Properties in Metal-TCNQ-Based Functional Materials, Xuan Zhang, Hanhua Zhao, Zhao-Xi Wang, Yuan-Zhu Zhang, and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

Conference Papers (continued)

362. Molecular magnetic and conducting materials inspired by coordination chemistry, Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

363. High-field electron paramagnetic resonance determination of the magnetic anisotropy in pseudooctahedral mononuclear V^{III} complexes, Komalavalli Thirunavukkuarasu, Mohamed R. Saber, Mihail Atanasov, Frank Neese, Stephen Hill, and Kim R. Dunbar, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

364. Evaluating magnetic properties of molecules with strong anisotropy based on electronic configuration and geometry. Kim R. Dunbar, Maria Ballesteros, Stephen Hill, Dawid Pinkowicz, Mohamed R. Saber, Toby J. Woods, Yuan-zhu Zhang, Han-hua Zhao, 249th ACS National Meeting, Denver, CO, March 22-25, 2015.

365. Enhancement of phototoxicity through efficient ligand photodissociation from Ru(II) complexes of the bulky 6-phenyl-2,2′-bipyridine ligand. Sayan Saha, Ryan P. Coll, Kathlyn L. Fillman, Jean-Philippe Pellois, Claudia Turro and Kim R. Dunbar, 72nd Annual Southwest Regional Meeting (SWRM), Galveston, TX, November 10-13, 2016.

366. Shifting the ^{1}MLCT Absorption into the Therapeutic Window by Bridging Two Ru(II)-centers using Quinoxaline and Pyrazine Based Bridging Ligands. Sayan Saha, Bruno Peña, Bryan A. Albani, Claudia Turro and Kim R. Dunbar, BASF-TAMU Graduate Student Symposium, Texas A&M University, August 10, 2016 and A. E. Martell Symposium, Texas A&M University, October 14, 2016.

367. Ruthenium and rhodium based anticancer compounds with diimine ligands. Kim R. Dunbar, Sayan Saha, Bruno Peña, Amanda David and Claudia Turro, 251st ACS National Meeting & Exposition, San Diego, CA, March 13-17, 2016.

368. Functional molecular materials based on cobalt(II) spin-crossover building units, Kim R. Dunbar, San Diego, CA, March 13-17, 2016.

369. Heavy element molecular magnetism: Exploiting spin-orbit effects and anisotropic coupling, Kim R. Dunbar, San Diego, CA, March 13-17, 2016.

370. Experimental and computational approaches to understanding and implementing weak forces involving anions and aromatic pi-systems, Kim R. Dunbar, San Diego, CA, March 13-17, 2016.

371. Paramagnetic dinuclear complexes with radical diimine ligands, Kim R. Dunbar, San Diego, CA, March 13-17, 2016.

372. Bifunctional Molecular Magnetic and Semiconducting Materials with Partially Charged Organic Radicals, Xuan Zhang and Kim R. Dunbar, Dow Symposium & Graduate Awards Ceremony, Texas A&M University, May 25, 2016.

373. New compounds incorporating [(triphos)Re(CN)3]-. David K. Kempe, Brian S. Dolinar, Kim R. Dunbar. A. E. Martell Symposium, Texas A&M University, October 14, 2016.

374. Design of new partial paddlewheel dirhodium(II,II) complexes featuring electron donating and withdrawing ligands and their potential use as photodynamic therapy agents. Ryan P. Coll , Agustin Millet, Brian S. Dolinar, Jean-Phillipe Pellois, Claudia Turro, Kim R. Dunbar. Martell Symposium, Texas A&M University, October 14, 2016.

Conference Papers (continued)

375. Controlled Synthesis of Single Molecule Magnets with Trigonal Symmetry. Kelsey Schulte, David Kempe, and Kim R. Dunbar, Martell Symposium, Texas A&M University, October 14, 2016.

376. Design of new partial paddlewheel dirhodium(II,II) complexes featuring electron donating and withdrawing ligands and their potential use as photodynamic therapy agents. Ryan P. Coll, Agustin Millet, Brian S. Dolinar, Jean-Phillipe Pellois, Claudia Turro, Kim R. Dunbar. 72nd Annual ACS Southwest Regional Meeting, Galveston, TX, November 10-13, 2016.

377. Enhancement of phototoxicity through efficient ligand photodissociation from Ru(II) complexes of the bulky 6-phenyl-2,2′-bipyridine ligand. Sayan Saha, Ryan Coll, Jean-Philippe Pellois, Claudia Turro and Kim R. Dunbar, 72nd Annual ACS Southwest Regional Meeting, Galveston, TX, November 10-13, 2016.

378. Dirhodium(II,II) Complexes for Photoactivated Chemotherapy. Kim R. Dunbar and Claudia Turro,

379. Targeting cancer with transition metal complexes: from basic science toward therapy. Claudia Turro, Kim R. Dunbar, Jeremy Kodanko, 72nd Annual ACS Southwest Regional Meeting, Galveston, TX, November 10-13, 2016.

380. Photoreleasing caged molecules containing nitrile functionality from Ru(II) complexes of the bulky 6-phenyl-2,2′-bipyridine ligand. Sayan Saha, Ryan P. Coll, Kathlyn L. Fillman, Jean-Philippe Pellois, Claudia Turro and Kim R. Dunbar, 253rd ACS National Meeting & Exposition, San Francisco, CA, April 2-6, 2017.

CURRENT GRANT SUPPORT

SPONSOR	TITLE	AMOUNT	DATES
The Robert A. Welch Foundation Texas A&M (PI)	Magnetic and Electronic Properties of Molecular Materials	$330,000	6/1/15-5/31/18
Department of Energy BES, Materials Chemistry Program (PI)	Molecular Magnets Based on a Modular Approach: Investigation of Coupling, Anisotropy and Electronic Factors on Bistability	$720,000	9/1/14-8/31/17
National Science Foundation (single PI)	Chemical, Electrochemical and Physical Properties of Metallosupramolecular Architectures with Tetrazine Based Ligands Including Investigations of Anion-π Interactions	$465,000	8/1/13-7/31/16
Department of Energy BES, Solar Energy Photochemistry Program (PI)	Photocatalysts for H_2 Evolution: Combination of the Light Absorbing Unit and Catalytic Center in a Single Molecule	$286,275 TAMU portion	9/1/13-8/31/17
National Science Foundation sub-contract from Ohio State University (Turro) to Texas A&M University (Dunbar) and University of Houston (Thummel)	Tuning the Excited States of New Ru(II) Complexes for Potential Photodynamic Therapy Applications	$194,745 TAMU portion	9/1/15-8/31/18

PENDING SUPPORT:

SPONSOR	TITLE	AMOUNT	PROPOSED DATES
National Science Foundation Division of Materials Research co-PI	Collaborative Research: Investigation of Metal-Organic Frameworks as Platforms for the Controlled Nanostructuring of Molecular Magnets	$268,332 TAMU portion	8/1/17-7/31/20

Departmental Activities & Committees

Michigan State University 1987-99

1987-88
1. Advisory
2. Admissions
3. Library

1988-89
1. Advisory
2. Graduate Advisory
3. Admissions
4. High Energy Physics Search Committee

1989-90
1. Advisory
2. Graduate Advisory
3. Chairperson Search Committee (Chemistry)
4. High Energy Physics Search Committee
5. Committee to evaluate Freshman Honors Program

1990-91
1. Colloquium
2. Equipment
3. Inorganic Search Committee
4. High Energy Physics Search Committee
5. NMR Advisory Committee

1991-92
1. Colloquium
2. Inorganic Search
3. Reappointment and Promotions
4. NMR Advisory

1992-93
1. Advisory to the Chair
2. Organic Search
3. Reappointment and Promotions
4. NMR Advisory
5. Advisory to the Chair

1993-94
1. Organic Search
2. Equipment (Chair)
3. Advisory to the Chair

1994-95
1. Graduate Admissions
2. Library
3. NMR Advisory

1995-96
1. Admissions
2. Graduate Advising
3. NMR Advisory
4. Physical Search

1996-97
1. Advisory to the Chair
2. NMR Advisory
3. X-ray Advisory
4. Analytical Search
5. MSU Distinguished Fellowship Selection Committee

1997-98
1. Advisory to the Chair
2. Chair Search
3. Inorganic Search
4. MSU Distinguished Fellowship Selection Committee
5. Reappointment and Promotions
6. Sigma Xi Awards Committee
7. X-ray Advisory

1998-99
1. Library
2. NMR Advisory
3. Organic Search
4. Reappointment and Promotions
5. Sigma Xi Awards

Texas A&M University Committees

Present:

1. SQUID Users Committee (1999-2015)
2. EPR Users Committee (1999-present)
3. Distinguished Professor Advisory Committee to the Dean of the College of Science (2009- present)
4. NMR Users Committee (1999-present)
5. Promotion and Tenure Committee (2000-2002; 2005-2007; 2015-2017)
6. Infrastructure Committee, Chemistry Department 2008; 2015
7. X-ray Users Committee (1999-present)
8. TIAS Advisory Board (2015-present)
9. Interdisciplinary Faculty Search Committee 2014 – present
10. University Selection Committee for the Distinguished Professor Award (2015-present)

Past:

11. Texas A&M Former Women's Students Committee for Eminent Scholar Award (2012-present)
12. Vision 2020 mid-term review Imperative 4 Study Team (IST) (2011)
13. Chair, Association of Former Students Teaching Award Committee (2010)
14. Search Committee for Dean of Faculties (2009)
15. Dean of Faculties Search Committee (2009)
16. Provost Search Committee for Dean of Faculties (2009)
17. Chemistry Department Head Search Committee (2002); Chair (2006)
18. Self-Study Committee for External Review, Department of Chemistry (2005)
19. Chair, Graduate Curriculum Committee (2001-2003)
20. Chair, Division of Inorganic Chemistry (1999-2001)
21. Departmental Advisory Committee (1999-2001)
22. Materials Science & Engineering Executive Committee (2000-2004)
23. Search Committee for Dean of the College of Science (2001-2002)
24. XPS Committee (1999-2003)

Courses Taught at Michigan State University (MSU) and Texas A&M Universoty (TAMU)

***Graduate Courses*:**

- "Group Theory and Spectroscopy" (Advanced Inorganic Chemistry I), MSU
- "Descriptive Inorganic Chemistry" (Advanced Inorganic Chemistry II), MSU
- "Physical Methods in Inorganic Chemistry", MSU and TAMU
- Special Topics courses
  "Metal-Metal Bond Chemistry" MSU
  "Magnetochemistry", MSU
  "Transition Metal Chemistry", MSU
- Inorganic Seminar, MSU and TAMU

***Undergraduate Courses*:**

- "Freshman Chemistry" for non-majors (both 1st and 2nd semesters), MSU
- "Descriptive Inorganic Chemistry" (emphasis on environmental chemistry), MSU
- "Organometallic Microscale laboratory Course" Junior/Senior Chemistry Majors, MSU
- "Undergraduate Inorganic Chemistry" Junior/Senior Chemistry Majors *Chem 462*, TAMU
- " Desciptive Inorganic Chemistry" Junior/Senior Chemistry Majors *Chem 362*, TAMU
- "Advanced Inorganic Laboratory" Junior/Senior Chemistry Majors *Chem 433*, TAMU

University and Community Service

1. *Physical Science High School eachers Workshop* Lecture Series, February 1989
2. *Science Olympiad in the Classroom Workshop*, Grand Rapids, November 13, 1989
3. College of Natural Science mentor for minority chemistry students
4. Michigan Science Teachers Association, Invited Lecture, East Lansing, Michigan, February 17, 1990
5. *Shapes and Colors in Chemistry*, Kinawa Middle School, Okemos, Michigan, March 3, 1990
   Math/Science Conference sponsored by the Ingham County Intermediate School District
6. Robert E. McNair – Summer Research Opportunities for Minority Students (advisor for 2 students)
7. *Science Affair* Panel Discussion, MSU Science Day, October 26, 1991
8. *Crystals and Polymers*, Kinawa Middle School, Okemos, Michigan, February 26, 1992
   Math/Science Conference sponsored by the Ingham County Intermediate School District
9. Robert E. McNair – Summer Research Opportunities for Minority Students at Michigan State
   NSF/Research Experience for Undergraduates (REU) Summer Program
10. NSF/REU Program in Materials and Biological Chemistry
11. NASA Sharp Program
12. *Research Mentor*, High School Students, A&M Consolidated, 2004-2005
13. Open House Day Chemistry Demonstration Faculty Coordinator, National Chemistry Week, 2007-present
14. ACS Minority Scholars Program, Local TAMU Mentor 2009-present
15. Chemistry Open House Demonstrations, National Chemistry Week, Texas A&M University 2008-present
16. Founded a chapter of National Organization for Black Chemists and Chemical Engineers (NOBCChE) at TAMU aliong with Prof. James Batteas who is the co-advisor of the chapter, 2012-present

Research Group

Ph.D. Students

1. Francisco Birk, Ph.D. candidate
2. Matthew Brewer, Ph.D. candidate
3. Ryan Coll, Ph.D. candidate
4. David Kempe, Ph.D. candidate
5. Agustin Millet, Ph.D. candidate
4. Sayan Saha, Ph.D. candidate
5. Kelsey Schulte, Ph.D. candidate
6. Zhe (Svein) Shen, Ph.D. candidate
7. Ellen Song, Ph.D. candidate
8. An Vu, Ph.D. candidate
9. Haomiao Xie, Ph.D. candidate

Postdoctoral/Research Associates, Visiting Professors

1. Dr. Dimitrious Alexandropoulos, Postodoctoral Res. Asst.
2. Dr. Brain Dolinar, Postodoctoral Research Asst.
3. Min-Xia Yao, Visiting Pprfessor, Nanjing Tech U.

Undergraduates

Eryn White, B.S. candidate Texas A&M

	Former Graduate Students:	Current Position:
1.	Jun Liu, M.S. 1989	Brookhaven National Laboratory
2.	Dr. Sue-Jane Chen, Ph.D. 1991	Research Scientist, Quorex Pharmaceuticals, San Diego, CA
3.	Dr. Steven Haefner, Ph.D. 1992	Professor, Bridgewater State College
4.	Dr. Laura Pence, Ph.D. 1992	Professor, University of Hartford
5.	Dr. Anne Quillevéré, Ph.D. 1992	Freelance Science Writer and Editor
6.	Stacey Bernstein, M.S. 1992	Global Regulatory Affairs, Boston
7.	Dr. Stuart Bartley, Ph.D. 1993	Research Scientist, Polymer Division, Lubrizol Corporation
8.	Dr. Jui-Sui Sun, Ph.D. 1994	
9.	Muna Bufaroosha Al Falasi, M.S. 1995	(Ph.D. LSU) Asst. Prof. United Arab Emirates U.
10.	† Dr. Kemal Catalan, Ph.D. 1998	Senior Research Scientist, Proctor & Gamble
11.	Dr. Calvin Uzelmeier, Ph.D. 1998	Director, Rochester Science Museum
12.	† Elizabeth Lozada, M.S. 1998	NMR Specialist, DuPont Central Research
13.	Jennifer Hess, M.S. 1998	Research Scientist, Athersys Corporation
14.	Dr. Xiang Ouyang, Ph.D. 1998	Research Scientist, Vancouver, British Columbia
15.	Shannon Harris, M.S. 1999	
16.	Matthew Prater	Research Scientist, Image Perx, Minneapolis, MN
17.	Dr. Paul S. Szalay, Ph.D. 2001	Associate Professor, Muskegon College
18.	Dr. Jennifer Smith, Ph.D. 2001	
19.	Dr. Cristian Saul Campos Fernández Ph.D. 2001	Department Head, Escuela de Química Universidad de Costa Rica, Costa Rica
20.	Dr. Bradley Smucker, Ph.D. 2002	Associate Professor, Austin College, TX
21.	Dr. Karn Sorasaenee, Ph.D. 2002	Saban Research Inst. at Children's Hospital, USC, CA
22.	Dr. Curtis Berlinguette, Ph.D. 2004	Professor, University of British Columbia, Canada
23.	Dr. Eric Schelter, Ph.D. 2004	Associate Professor, University of Pennsylvania
24.	Dr. Mijeong Kang, Ph.D. 2005	Research Fellow, UCLA, Los Angeles, CA
25.	Dr. Alfredo Angeles-Boza, Ph.D. 2007	Assistant Professor, University of Connecticut
26.	Dr. Brandi Schottel, Ph.D. 2007	Science Instructor, Charter School, Dallas, TX
27.	Dr. Eric Reinheimer, Ph.D. 2007	Manager,Small Molecule Crystallography, Rigaku Americas
28.	Dr. Jessica Daphne Aguirre, Ph.D. 2009	Postdoctoral Fellow, Johns Hopkins U., Baltimore, MD
29.	Dr. Ferdi Karadas, Ph.D. 2009	Assistant Prof, Bilkent University, Turkey
30.	Dr. Matthew Hilfiger, Ph.D. 2010	Petroleum Engineer, Aramco Services Houston, Texas
31.	Dr. Nazario Lopez, Ph.D. 2010	Asst. Prof., U. Autonoma del Estado de Morelos, Cuernavaca, Mexico
32.	Dr. Carolina Avendano, Ph.D. 2010	Director of Operations the Rice Office of STEM Engagement in the Office of Research at Rice University
33.	Dr. Kristen Chambers Funck, Ph.D. 2010	Assistant Prof., James Madison University
34.	Edward Funck, M.S. 2011	Lab Manager, Piedmont Virginia Community College
35.	Ming Fang Oct 2010-Oct-2011	Research Associate, Nankai University
36.	Dr. Ian Giles, Ph.D, 2012	ASEE Postdoctoral Fellow, Naval Research Laboratories
37.	Sarah Lane, M.S., 2012	Research Scientist, Medicinal Chemistry, AMRI
38.	Dr. Zhongyue Zhang, Ph.D. 2013	Assistant Professor, Nagoya University, Japan
39.	Dr. Heather Southerland, Ph.D., 2013	Saplin Learning Center, Austin, Texas
40.	Dr. Mohamed Saber, Ph.D., 2013	Fayoum University, Fayoum, Egypt
41.	Dr. Bruno Pena-Maceda, Ph.D. 2014	Intel Corporation, Portland, OR

42.	Dr. Zhanyong Li, Ph.D. 2014	Postdoctoral Fellow, Northwestern University
43.	Dr. Andrew Brown, Ph.D., 2015	Intel Corporation, Phoenix, AZ
44.	Dr. Amanda David, Ph.D., 2015	Intel Corporation, Phoenix, AZ
45.	Dr. Toby J. Woods, Ph.D., 2016	X-ray Specialist, Dept. of Chemistry, U. of Illinois Urbana Champaign
46.	Dr. Jill Frank Ellenberger, Ph.D., 2016	Assistant Professor, John Brown U., Alabama
47.	Dr. Xuan Zhang, Ph.D., 2016	Postdoctoral Fellow, Northwestern U., Chicago, IL
48.	Dr. Codi Sanders, Ph.D., 2016	Intel Corporation, Portland, OR

Former Postdoctoral Associates:	**Current Position:**
1. Dr. Vijay Saharan, Ph.D. University of Cambridge, 1992	Research Scientist, Delphi Automotive Systems Corporation
2. Dr. Helen Chifotides, NATO Fellow Ph.D. University of Athens, 1993	Senior Research Associate, Texas A&M University
3. Dr. Robert A. Heintz, Ph.D. Cornell University, 1995	Applications Chemist, ThermoNicolet, Madison, WI
4. Dr. Rodolphe Clérac Ph.D. Université Bordeaux, France, 1998	CNRS Professor, University of Bordeaux, France
5. Dr. José-Ramón Galán-Mascarós Ph.D. Universidade de Valencia, 1999	ICREA Research Professor and ERCsgt Fellow, Catalan Institution for Research and Advanced Studies (ICREA) & Institute of Chemical Research of Catalonia (ICIQ)
6. Dr. Hitoshi Miyasaki Ph.D. Kyushu University, Japan, 1998	Associate Prof., Tohoku University, Sendai, Japan
7. Dr. Jitendra Bera Ph.D. Indian Institute of Science, India, 1999	Associate Prof., Indian Institute of Technology, Kanpur, India
8. Dr. John Bacsa Ph.D. Univ. of the Witwatersrand South Africa, 1998	X-ray Specialist, Emory University, Atlanta, GA
9. Dr. Abdellatif Chouai Ph.D. University of Houston, 2003	Operations Engineer, BASF Corporation, Geismar, LA
10. Dr. Michael Shatruk Ph.D. Moscow State U., Russia 2001	Associate Professor, Florida State University, Talahassee, FL
11. †Dr. Sofi Bin-Salamon Ph.D., North Carolina State U., 2005	Program Manager, Air Force Research Laboratory Air Force Office of Scientific Research
12. Dr. Eric Reinheimer Ph.D., Texas A&M, 2007	Crystallographer, Rigaku Japan, Woodlands, Texas
13. Dr. Xinyi Wang Ph. D., Peking University, 2006	Assistant Professor, Nanjing University, Nanjing, China
14. Dr. Akira Ota, Postdoctoral Research Assoc. Ph. D., Kyoto University, 2006	Entrepreneur, Kyoto, Japan
15. Dr. Andrey Prosvirin, Research Associate Ph. D., Russian Academy of Sciences	Physics Department, TAMU
16. Dr. Dawid Pinkowicz, Marie Curie Fellow Ph.D., Ph. D., Jagiellion U., Poland	Asst. Prof., Jagiellion U., Krackow, Poland
17. Dr. Yuan-Zhu Zhang, Asst. Res. Scientist Ph. D., Peking University, 2006	Asst. Prof., South U. of Science and Technology of China
18. Dr. Helen Chifotides, Research Scientist Ph. D., U. of Athens, Greece 1993	Asst. Prof., U. of Athens, Greece
19. Dr. Silvia Gomez-Coca Ph. D., U. of Barcelona, 2015	Postdoctoral Researcher, University College London, UK
20. Prof. Hanhua Zhao, Senior Research Asst.	Retired

Former Undergraduates † Minority	**Professional Degree/Position**
1. † Dr. Hoa Van Nguyen, B.S. 1990	M.D. Michigan State University
2. † Dr. Renee Cooper, B.S. 1992	M.D. Wayne State University
3. † Anthony Howard	B.S. Michigan State University
4. Jennifer Loconto, B.S. 1996	Ph.D. Biochemistry, Harvard University
5. Dr. John Matonic, B.S. 1992	Ph.D. Inorganic Chemistry, Texas A&M University,1997
6. Dr. Julia Meinershagen, B.S. 1995	Ph.D. Inorganic Chemistry, Purdue University
7. † Dr. Daniel Mindiola, B.S. 1996	Ph.D. Inorganic Chemistry, MIT, 2000, Prof. U. of Penn.
8. Dr. Igor Mochalkin, B.S. 1995	Ph.D. Physical Chemistry, Michigan State University, 1999
9. †Dr. Stephanie Montgomery	M.D. Wayne State University
10. Cheryl Myler, B.S. 1999	Ph.D. Biochemistry, University of Michigan
11. Mark Sislo, B.S. 1999	Ph.D. Michigan State University
12. Brandon Tackett, REU Student	B.S. Kentucky Wesylan, Ph.D. University of Kentucky
13. Brook Thomas, B.S. 1992	M.S. Chemical Engineering, Texas A&M University
14. Dr. Julia Clements-Thomas, B.S. 1992	Ph.D. Inorganic Chemistry, Texas A&M University
15. Matthew Maloney, B.S. 1998	M.D., University of Michigan
16. Aurélie Buckelew, B.S. 2001	M.S. Texas A&M University
17. Derek Vaughn, B.S. 2001	Chemist, Benchmark Research, Houston, TX
18. †Dr. Carolina Avendano, REU, 2003	Ph.D., Texas A&M University
19. Kristen Chambers, REU Student, 2003	Ph.D., Texas A&M University
20. Darryl Stepien, B.S. Chemistry, 2009	Research Chemist, Baker Hughes Corporation, Houston, TX
21. Codi Sanders, B.S. Chemistry, 2009	Ph.D. Candidate, Texas A&M University
22. Michael Woodie, B.S. Chemistry, 2010	
23. Ashley Dittmer, B.S. Chemistry, 2010	United States Air Force
24. Charles Culbertson, REU, Summer 2013	B.S., Indiana U. Pennsylvania (REU 2014)
25. † Briana Zamora, B.S. Texas A&M, 2013	Development Chemist, Ascend Performance Materials
26. † Bianca Ramirez, B.S. Texas A&M, 2013	Ph.D. student, Inorganic Chemistry, U. of Minnesota
27. Connor Daly	B.S., Shippensburg State U. PA (REU 2015)
28. Zhilin Go, B.S., Nankai University, China	Ph.D. student, South U. of Science and Technology of China
29. James Hollas	B.S., candidate, Texas A&M University
30. †Anastasia Lopez	B.S., Texas A&M University
31. Jason McCandless	B.S., Texas A&M University
32. †Tia'Asia James, REU, Summer 2106	B.S. candidate, University of Arkansas U., Pine Bluff

Visiting Professor and Scholars

1. Prof. Donald Baird, sabbatical leave from Florida Atlantic University (1/94-6/94)
2. Prof. Hanhua Zhao, Visiting Scholar, Nanjing Normal University, Peoples Republic of China (1/95-3/98)
3. Prof. Il-Wun Shim, Visiting Scholar, Chung-Ang University, Seoul, Korea (1/96-12/96)
4. Prof. Gorden Yee, Visiting Scholar, University of Colorado (8/00)
5. Prof. Larry Falvello, Visiting Scholar, Universidad de Zaragoza, Zaragoza, Spain (6/02-7/02)
6. Prof. Boris Tsukerblat, Visiting Scholar, Ben Gurion Univ. of the Negev, Beer Sheva, Israel (2002, 2004)
7. Prof. Hitoshi Miyasaka, Visiting Scholar, Tokyo Metropolitan University, Tokyo, Japan (2/03)
8. Prof. Kazuko Matsumoto, Visiting Scholar, Waseda University, Tokyo, Japan (3/03)
9. Prof. Gui Li Ning, Visiting Scholar, Dalian University of Technology, Dalian, China (11/03-05/04)
10. Dr. Sergei Ostrovosky, Visiting Scholar, Inst. of Applied Physics, Chisinau, Moldova (9/04-12/04; 06/08)
11. Dr. José Ramón Galán-Mascarós, University of Valencia, Valencia, Spain, (2/05-7/05)
12. Prof. Sophia Klokishner, Inst. of Applied Physics, Academy Sciences, Kishinev, Moldova (7/06; 06/08)
13. Dr. Andrei Palii, Inst. of Applied Physics of the Academy of Sciences, Kishinev, Moldova (7/06; 06/08))
14. Dr. Akira Ota, Tokyo Institute of Technology, Ookayama, Japan (4/07-9/10)
15. Dr. Ahmed Youssef, Faculty of Science – Ain Shams U., Egypt (7/08-4/09).
16. Maria Fernanda Ballesteros Rivas, Visiting Ph.D. Student Intern, Mexico (9/09-9/10).
17. Ming Fang, Visiting Ph.D. Student Intern, Nankai, China (9/10-8/11).
18. Prof. Nataliia Shtemenko, Fulbright Scholar, Ukraine (11/11-4/12).
19. Dr. Qing-lun Wang, Visiting Chinese Scholar, Nankai University (4/11-2/12).
20. Prof. Anne Richards, Visiting Professor, LaTrobe University, Australia (1/13-4/13).
21. Prof. Natliia Shetemenko, Visiting Professor, Dnipropetrovs'k National University (1/13-4/13)
22. Prof. Alexander Shetemenko, Visiting Prof., Dept. of Chem, Dnipropetrovs'k National University (1/13-4/13)
23. Zhaoyang Li, Visiting Ph.D. Student Scholar, Kyushu University, Japan (10/12-3/13)
24. Dr. Dawid Pinkowicz, Marie Curie Fellow, Asst. Professor, Jagiellion U., Krackow, Poland (10/12-9/13)
25. Sara Goberna-Ferron, Visiting Ph.D. Student Scholar, ICIQ, Catalonia (5/13-8-13)
26. Prof. Zhao-Xi Wang, Visiting Professor, Department of Chemistry, Shanghai University (10/13-9/14)
27. Abdullahi Rajee Ola, Visiting Fulbright Scholar, Nigeria (9/15-06/16)
28. Prof. Yue Ma, Visiting Professor, Nankai U., China (9/15-9/16)

DUNBAR GRADUATE STUDENTS 1987 – present

	MSU STUDENTS 1987-1999	PROGRAM	SECOND READER	YEAR OF DEGREE
1.	Jun Liu	M.S.	Eick	1989
2.	Sue-Jane Chen	Ph.D.	Kanatzidis	1991
3.	Steven C. Haefner	Ph.D.	Nocera	1992
4.	Anne Quillevéré	Ph.D.	Kanatzidis	1992
5.	Laura E. Pence	Ph.D.	Pinnavaia	1992
6.	Stacey N. Bernstein	M.S.	Nocera	1993
7.	Stuart L. Bartley	Ph.D.	Pinnavaia	1993
8.	Jui-Sui Sun	Ph.D.	Kanatzidis	1994
9.	Calvin Ulzemeier	Ph.D.	Smith	1998
10.	Kemal Catalan	Ph.D.	Kanatzidis	1998
11.	Elizabeth Lozada	M.S.	Blanchard	1998
12.	Jennifer Hess	M.S.	Broderick	1998
13.	Xiang Ouyang	Ph.D.	Smith	1999
14.	Shannon O'Kane	M.S.	Kanatzidis	1999
15.	Matthew Prater	Ph.D.	Kanatzidis	withdrew
16.	Amanda Walton	M.S.	Pinnavaia	2000
17.	Cristian Fernandez Campos	Ph.D.	Smith	2001
18.	Paul Szalay	Ph.D.	Smith	2001
19.	Jennifer Smith	Ph.D.	Kanatzidis	2001
20.	Karn Sorasaenee	Ph.D.	Advisor	2002
21.	Bradley Smucker	Ph.D.	Advisor	2002
22.	Curtis Berlinguette	Ph.D.	Advisor	2004
23.	Eric Schelter	Ph.D.	Advisor	2004
24.	Mervin Bazile	Ph.D.	Advisor	deceased
20.	Karn Sorasaenee	Ph.D.	Advisor	2002
21.	Bradley Smucker	Ph.D.	Advisor	2002
22	Curtis Berlinguette	Ph.D.	Advisor	2004
23.	Eric Schelter	Ph.D.	Advisor	2004
24.	Mervin Bazile	Ph.D.	Advisor	deceased

25.	Mijeong Kang	Ph.D.	Advisor	2005
26.	Alfredo Angeles Boza	Ph.D.	Advisor	2007
27.	Eric Reinheimer	Ph.D.	Advisor	2007
28.	Brandi Schottel	Ph.D.	Advisor	2007
29.	Jessica Aguirre	Ph.D.	Advisor	2009
30.	Ferdi Karadas	Ph.D.	Advisor	2009
31.	Carolina Avendano	Ph.D.	Advisor	2010
32.	Nazario Lopez	Ph.D.	Advisor	2010
33.	Matthew Hilfiger	Ph.D.	Advisor	2010
34.	Kristen Funck	Ph.D.	Advisor	2010
35.	Edward Funck	M.S.	Advisor	2011
36.	Ian Giles	Ph.D.	Advisor	2012
39.	Sarah Lane	M.S.	Advisor	2012
38.	Heather Southerland	Ph. D.	Advisor	2013
40.	Zhongyue Zhang	Ph. D.	Advisor	2013
41.	Mohamed Saber	Ph.D.	Advisor	2013
42.	Zhanyong Li	Ph.D.	Advisor	2014
43.	Bruno Pena – Maceda	Ph.D.	Advisor	2014
44.	Andrew Brown	Ph.D.	Advisor	2015
45.	Amanda David	Ph.D.	Advisor	2015
46.	Codi Anne Sanders	Ph. D.	Advisor	2016
47.	Toby Woods	Ph.D.	Advisor	2016
48.	Xuan Zhang	Ph.D.	Advisor	2016
49.	Jill Frank	Ph.D.	Advisor	2016
50.	Francisco Birk	Ph.D.	Advisor	5th year
51.	David Kempe	Ph.D.	Advisor	5th year
52.	Sayan Saha	Ph.D.	Advisor	4th year
53.	Kelsey Schultz	Ph.D.	Advisor	3rd year
54.	Ryan Coll	Ph.D.	Advisor	3rd year
55.	Haomiao Xie	Ph. D.	Advisor	3rd year

56.	Zhe Shen (Svein)	Ph.D.	Advisor	2nd year
57.	Agustin Millet	Ph.D.	Advisor	2nd year
58.	Ellen Song	Ph.D.	Advisor	1st year
59.	An Vu	Ph.D.	Advsior	1st year
60.	Matthew Brewer	Ph.D.	Advisor	1st year

MEMBERSHIP ON GRADUATE STUDENT COMMITTEES

	MSU STUDENT	ADVISOR	PROGRAM AND AREA	STATUS ON COMMITTEE	COMPLETED
1.	Hyungrok Kim	Pinnavaia	Ph.D., inorganic	Second Reader	X
2.	Thomas Brewer	Pinnavaia	Ph.D., inorganic	Second Reader	X
3.	Judith Eglin	Dye	Ph.D., physical	Second Reader	X
4.	Ronald Lopshire	Enke	Ph.D., analytical	Member	X
5.	William Watt	Tulinsky	Ph.D., physical	Member	X
6.	Evaldo de Armas	LeGoff/Gaudiello	Ph.D., analytical	Member	X
7.	Line Le Blevenec	Gaudiello	Ph.D., analytical	Member	X
8.	Kuo-Lih Tsai	Dye	Ph.D., physical	Second Reader	X
9.	Pascal Rigollier	Stille	Ph.D., organic	Member	X
10.	Colleen Partiagioni	Nocera	Ph.D., inorganic	Second Reader	X
11.	Younkyoo Kim	Babcock	Ph.D., physical	Member	X
12.	Fernando Herrara	Harrison	Ph.D., physical	Member	X
13.	Yong Zhang	Babcock	M.S., physical	Member	X
14.	Songping Huang	Kanatzidis	Ph.D., inorganic	Second Reader	X
15.	John Young	Stille	Ph.D., organic	Member	X
16.	Songzhan Huang	Dye	Ph.D., physical	Member	X
17.	Janice Kadis	Nocera	Ph.D., inorganic	Second Reader	X
18.	Yuanda Zhang	Hollingsworth	Ph.D., biochemistry	Member	X
19.	Xiayang Qiu	Tulinsky	Ph.D., physical	Member	X
20.	Anthony Sutorik	Kanatzidis	Ph.D., inorganic	Second Reader	X
21.	Art Harms	Stille	Ph.D., organic	Member	X
23.	Robert Smart	Wagner	Ph.D., organic	Member	X
24.	Xusheng Xie	Babcock	Ph.D., physical	Member	X
25.	Carolyn Hsu	Nocera	Ph.D., inorganic	Second Reader	X
26.	Lars Beholz	Stille	Ph.D., organic	Member	X
27.	Ann Macintosh	Nocera	Ph.D., inorganic	Second Reader	X
28.	Chenggang Wang	Kanatzidis	Ph.D., inorganic	Second Reader	X
29.	Nancy Barta	Stille	Ph.D., organic	Member	X

31.	Carol Walters	Stille	Ph.D., organic	Member	X
32.	Brian Kirk	Stille	M.S., organic	Member	X
33.	Ali Zand	Wagner	Ph.D., organic	Member	X
34.	Marie Migaud	Frost	Ph.D., organic	Member	X
35.	James Roberts	Nocera	Ph.D., inorganic	Member	X
36.	Sara Helvoigt	Nocera	Ph.D., inorganic	Second Reader	X
37.	Jason Hanko	Kanatzidis	Ph.D., inorganic	Second Reader	X
38.	William Scanlon	Smith	M.S., inorganic	Second Reader	X
39.	Dean Lantero	Smith	Ph.D., inorganic	Second Reader	X
40.	Thomas Pauly	Pinnavaia	Ph.D., inorganic	(withdrawn - moved A&M)	X
41.	Gwynne Osaki	Babcock	Ph.D., physical	(withdrawn)	X
42.	Seaver Shieh	LeGoff	Ph.D., organic	(withdrawn)	X
43.	Carl Iverson	Smith	Ph.D., inorganic	Second Reader	X
44.	Dean Lantero	Smith	Ph.D., inorganic	Second Reader	X
45.	Gabriela Pistia	Hollingsworth	Ph.D., organic	(withdrawn)	X
46.	Mihai Polverejan	Pinnavaia	Ph.D., inorganic	(withdrawn)	X
47.	Joseph Ward	Maleczka	Ph.D., organic	(withdrawn)	X
48.	Igor Mochalkin	Tulinsky	Ph.D., physical	(withdrawn)	X
50.	John Asara	Allison	Ph.D., analytical	Member	X
51.	Stacey DeWees	Geiger	Ph.D., physical	(withdrawn)	X
52.	Gao Liu	Baker	Ph.D., organic	(withdrawn)	X
53.	John Koomen	Russell	Ph.D., analytical	Member	X
54.	Carmela Magliocchi	Hughbanks	Ph.D., inorganic	Member	X
55.	Panagiotis Angaridis	Cotton	Ph.D., inorganic	Member	X
56.	Damon Billodeaux	D. Darensbourg	Ph.D., inorganic	Member	X
57.	Ryan Mackiewicz	D. Darensbourg	Ph.D., inorganic	Member	X
58.	Cynthia Samples	DeRose	Ph.D., inorganic	Member	X
59.	Karen Steelman	Rowe	Ph.D., analytical	Member	X
60.	Jun-Byoung Oh	Wiggins	Ph.D., economics	GCR	X

61.	Bing Bai	Naugle	M.S., physics	Member	X
62.	Kira Leck	Simpson	Ph.D., philosophy	GCR	X
63.	Stephen Jeffery	M. Darensbourg	Ph.D., inorganic	Member	X
64.	Ji Chi	Ross	M.S., physics	Member	X
65.	Sergey Ibragimov	Cotton	Ph.D., inorganic	Member	X
66.	Joel Means	Teizer	Ph.D., physics	Member	X
67.	Jeffrey J. Wegener	McDeavitt	Ph.D., Materials Science	Member	X
68.	Arlene Ford	Teizer	M.S., physics	Member	X
69.	Lucas Sweet	Hughbanks	Ph.D., inorganic	Member	X
70.	Thomas Taylor	Gabbai	Ph.D., inorganic	Member	X
71.	Aurelie Buckelew	DeRose	M.S., inorganic	Member	X
72.	Rongmin Yu	Cotton	Ph.D., inorganic	Member	X
73.	Dongmin Seo	Teizer	M.S., physics Ph.D., physics	Member	X
74.	Yolanda Vasquez	Schaak	Ph.D., inorganic	Member	X
75.	Rob Cable	Schaak	Ph.D., inorganic	Member	X
76.	Brian Leonard	Schaak	Ph.D., inorganic	Member	X
77.	Elky Almarez	M. Darensbourg	Ph.D., inorganic	Member	X
78.	Chris Fewox	Clearfield	M.S., inorganic	Member	X
79.	Nam Hawn Chou	Schaak	Ph.D.	Member	Moved to Penn State
80.	Ryan Kuppler	Zhou	M.S.	Member	X
81.	Trevor Makal	Zhou	Ph.D.	Member	X
82.	Rodrigo Ramirez	Ozerov	Ph.D.	Member	?
83.	Francisco Escobedo	Hughbanks	Ph.D.	Member	X
84.	Stephen Fordham	Zhou	Ph.D.	Member	X
85.	Xuan Wang	Zhou	Ph.D.	Member	X
86.	Zachary Perry	Zhou	Ph.D.	Member	Prelim done
87.	Adriana Hampton	Gabbai	Ph.D.	Member	Changed her degree
88.	Rachel Chupik	M. Darensbourg	Ph.D.	Member	Prelim done
89.	Allen Lunsford	M. Darensbourg	Ph.D.	Member	X
90.	Shin Hye (Grace) Ahn	Bluemel	Ph.D.	Member	Prelim done

91.	Alexander Estrada	Bluemel/Gladysz	Ph.D.	Member	Prelim done
92.	Lanfang Zou	Zhou	Ph.D.	Member	Prelim done
93.	Kecheng Wang	Zhou	Ph.D.	Member	Prelim done
94.	Qingheng Lai	Ozerov	Ph.D.	Member	
95.	Junsang Cho	Banerjee	Ph.D.	Member	
96.	Melih Baci	Zhou	Ph.D.	Member	
97.	Yingmu Zhang	Zhou	Ph.D.	Member	
98.	Patrick J. Hubbard	Bluemel	Ph.D.	Member	
99.	Trevor Latendresse	Nippe	Ph.D.	Member	
100.	Christina Lollar	Gabbai	Ph.D.	Member	
101.	Xuemei Yang	M. Darensbourg	Ph.D.	Member	
102.	Anuvab Das	Powers	Ph.D.	Member	
103.	Carolyn Gunthardt	North	Ph.D.	Member	

Sponsorship of Graduate Student Dissertations (40 students total as of 2015)

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Stuart Louis Bartley – 1993 – Metal-metal bonded complexes in extended molecular arrays

Jui-Sui Sun – 1994 – Chemistry of low valent metal carbonyl, nitrile, and halide complexes with a bulky oxygen functionalized phosphine ligand

Calvin Uzelmeier – 1998 – Coordination chemistry of chelating phosphines: Stabilization of metalloradicals and the elaboration of extended arrays

Elizabeth Lozada Carrasco (MS) – 1998 – Proton NMR spectroscopic studies of dinuclear transition metal carboxylase adducts of DNA oligonucleotides

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Kemal V. Catalan – 1999 – Interactions of Dinuclear Transition Metal Compounds with DNA Nucleobases and Related Nitrogen Donor Ligands.

Shannon Ann O'Kane (MS) – 1999 – Synthesis and characterization of binary materials composed of transition metals coordinated to the organic acceptor TCNQ

Xiang Quyang – 2000 – Extended molecular arrays of transition metal complexes with polynitrile ligands

Cristian Saul Campos Fernandez – 2001 – Clusters and extended arrays with metal ions and nitrogen donor ligands

Paul S. Szalay, Jr. – 2001 – Cyanide and nitrile compounds with applications in materials and cluster chemistry

Jennifer Ann Smith – 2002 – Magnetic architectures based on metal cyanide interactions: Mixed metal clusters and polymeric arrays

Bradley William Smucker – 2002 – New types of transition metal complexes with redox active sulfur- and nitrogen-based ligands

Sponsorship of Graduate Student Dissertations (continued)

Karn Sorasaenee – 2003 – Coordination chemistry of anticancer active dirhodium complexes with N-based and S-based biomolecules and model ligand systems

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Eric John Schelter – 2004 – Cyanide clusters of Re^{II} with 3d metal ions and their magnetic properties: incorporating anisotropic ions into metal-cyanide clusters with high spin magnetic ground states

Mijeong Kang – 2005 – Reactivity Studies of Antitumor Active Dirhodium Compounds with Oligonucleotides

Alfredo Angeles-Boza – 2007 – A new Class of Dirhodium Compounds with an electron acceptor ligand.

Brandi Schottel – 2007 – The influence of Anion-Pi interactions between Multi-atomic anions and pi-acidic ring systems on the self assembly of coordination compounds

Eric Reinheimer – 2007 – Inorganic-Organic, Organic Charge Transfer and Radical Based Compounds with Chalcofulvalene Donors and Organic Acceptors

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Kristen Chambers Funck – 2010 – Magnetic Properties and Reactivity Studies of Families of Trigonal Bipyramidal Cyanide Bridged Clusters

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Ian Derek Giles – 2012 – Experimental and Theoretical Investigations of Anion-pi Interactions in Architectures of First-Row Transition Metals and N-Heteroaromatic Ligands

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Sponsorship of Graduate Student Dissertations (Continued)

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Heather Southerland (PhD) – 2013 – Investigation of Molecular Magnetic Compounds Incorporating 4d and 5d Transition Metal Cyanometallates

Mohamed R. M. Saber (PhD) – 2013 – Enhancing Magnetic Properties of Molecular Magnetic Materials: The Role of Single Ion Anisotropy

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Zhanyong Li (PhD) – 2014 – Synthesis, Characterization and Investigation of Metal-Metal Bonded Dirhodium Complexes with Unusual Electronic and Physical Properties.

Andrew Brown (PhD) – 2015 – A Modular Approach to Bistable Molecular Magnets of Molecules and Extended Architectures

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Xuan Zhang (PhD) – 2016 – Hybrid Magnetic and Semiconducting Materials Based on Organocyanide Electron Acceptors and Metal Complexes

Toby J. Woods (PhD) – 2016 – Electronic Control of the Magnetic Properties of First-Row Transition Metal Complexes,

Jill Frank Ellenberger (PhD) – 2016 – Theoretical and Experimental Investigations of Anion-p Interactions in Inorganic and Biological Supramolecular Architectures

Codi Anne Sanders (PhD) – 2016 – Investigation of Magnetic Behavior and the Tuning of Spin-Transitions and Redox Properties in Pentanuclear Cyanide Architectures