

## Christos Lampropoulos, Ph.D.

Assistant Professor of Chemistry  
University of North Florida / 1 UNF Dr., Jacksonville, FL 32224

### (a) Professional Preparation

University of Illinois at Chicago (UIC)	B.A. in Chemistry with Honors,	2004
University of Florida (UF)	M.Sc. in Chemistry,	2007
University of Florida (UF)	Ph.D. in Chemistry,	2009

### (b) Appointments

2011 – Assistant Professor of Chemistry, University of North Florida (UNF)  
Summer 2013 Visiting Assistant Professor, Department of Chemistry, University of Cyprus  
2009 – 2011 Post Doctoral Research Fellow, Department of Chemistry, University of Patras

### (c) Products

(i) Most Recent Publications (undergraduate coauthors signified by asterisks):

**Lampropoulos, C.**; Thuijs, A. E.; Mitchell, K. J.; Abboud, K. A.; Christou, G. Manganese/Cerium Clusters Spanning a Range of Oxidation Levels and  $CeMn_8$ ,  $Ce_2Mn_4$ , and  $Ce_6Mn_4$  Nuclearities: Structural, Magnetic and EPR Properties *Inorganic Chemistry* **2014**, *53*, 6805-6816. (2012 Impact Factor: 4.593)

**Lampropoulos, C.**; Murugesu, M.; Harter, A.G.; Wernsdorfer, W.; Hill, S.; Dalal, N.S.; Reyes, A.P.; Kuhns, P.L.; Abboud, K.A.; Christou, G. The Synthesis, Structure, and Spectroscopic and Magnetic Characterization of  $[Mn_{12}O_{12}(O_2CCH_2Bu^t)_{16}(MeOH)_4] \cdot MeOH$ , a  $Mn_{12}$  Single-Molecule Magnet with True Axial Symmetry *Inorganic Chemistry* **2013**, *52*, 258-272. (2012 Impact Factor: 4.593)

Zartilas, S.\*; Papatriantafyllopoulou, C.; Stamatatos, T. C.; Nastopoulos, V.; Cremades, E.; Ruiz, E.; Christou, G.; **Lampropoulos, C.**; Tasiopoulos, A. J. A  $Mn^{II}_6Mn^{III}_6$  Single-Strand Molecular Wheel with a Reuleaux Triangular Topology: Synthesis, Structure, Magnetism, and DFT Studies *Inorganic Chemistry* **2013**, *52*, 12070. (2012 Impact Factor: 4.593)

Henthorn, J.D.\*; Mishra, N.\* Haun, C.D.\*; Castro, A.L.\*; Douglas, H.G.\*; Pegram, M.\*; Stadelmaier, B.; Huebner, J.S.; **Lampropoulos, C.** Using Single-Molecule Magnets as Analyte-Recognition Compounds in Photo-Electric Chemical Sensors: Recent Results from  $[Mn_{12}O_{12}(O_2CCH_3)_{16}(H_2O)_4]$  and  $[Mn_{12}O_{12}(O_2CPh)_{16}(H_2O)_4]$ , *Polyhedron* **2013**, *53*, 62-66. Invited paper (2012 Impact Factor: 1.813)

Kizas, C.M.; Papatriantafyllopoulou, C.; Pissas, M.; Sanakis, Y.; Tasiopoulos, A.J.; Javed, A.\*; **Lampropoulos, C.**; Synthesis, Magnetic and Spectroscopic Characterization of a new  $Fe_7$  Cluster With a Six-Pointed Star Topology *Polyhedron*, in press, **2013**. Invited paper (2012 Impact Factor: 1.813)

(ii) Other significant publications (undergraduate coauthors signified by asterisks):

Adams, S.T.; da Silva Neto, E.H.\*; Datta, S.; Ware, J.F.; **Lampropoulos, C.**; Christou, G.; Myasoedov, Y.; Zeldov, E.; Friedman, J.R. Geometric-Phase Interference in a  $Mn_{12}$  Single-Molecule Magnet with Fourfold Rotational Symmetry *Physical Review Letters* **2013**, *110*, 087205. (2012 Impact Factor: 7.943)

Moushi, E.E.; **Lampropoulos, C.**; Wernsdorfer, W.; Nastopoulos, V.; Christou, G.; Tasiopoulos, A.J. Including Single-Molecule Magnetism in a Family of Loop-of-Loops Aggregates: Heterometallic  $Mn_{40}Na_4$  Clusters and the homometallic  $Mn_{44}$  Analogue *Journal of the American Chemical Society* **2010**, *132*, 16146-16155. (2012 Impact Factor: 10.677)

**Lampropoulos, C.**; Redler, G.\*; Data, S.; Abboud, K.A.; Hill, S.; Christou, G. Binding of Higher Alcohols onto  $Mn_{12}$  Single-Molecule Magnets (SMMs): Access to the Highest Barrier  $Mn_{12}$  SMM *Inorganic Chemistry* **2010**, *49*, 1325-1336. (2012 Impact Factor: 4.593)

Mukherjee, S.; Daniels, M.R.\*; Bagai, R.; Abboud, K.A.; Christou, G.; **Lampropoulos, C.** A variety of new tri- and tetranuclear Mn-Ln and Fe-Ln (Ln = lanthanide) complexes *Polyhedron* **2010**, *29*, 54. Invited Paper (2012 Impact Factor: 1.813)

**Lampropoulos, C.**; Hill, S.; Christou, G. A Caveat for Single-Molecule Magnetism: Non-Linear Arrhenius Plots *ChemPhysChem* **2009**, *10*, 2397-2400. (2011 Impact Factor: 3.349)

### (d) Synergistic Activities

- 2013 – present: **Membership at the National High Magnetic Field Lab EMR-Users Committee**
- 2013 – present: **Membership at the ACS Committee for Computers in Chemical Education (CCCE)**

- 2011 – present: **Membership in the Sensors Group at UNF**, an interdisciplinary research group funded by UNF and the Department of Defense, with members from the UNF chemistry, physics, and engineering departments. The group investigates the development of chemical sensors.
- 2005 – present: **Organizing Committees for local and International Conferences:** a) local organizing committee for the 13<sup>th</sup> International Conference of Molecule-based Magnets (ICMM 2012) held in Orlando FL (Oct. 2012); b) local organizing committee for the 4<sup>th</sup> North-America Greece Cyprus Workshop on Paramagnetic Materials (NAGC 2011) held in Patras, Greece (June 2011); c) organizing committee for the Florida Inorganic and Materials Symposium, held in Gainesville FL, 2005-2009.
- 2007 – present: **Reviewer in International Journals:** a) Journal of Chemical Education (ACS); b) Inorganic Chemistry (ACS); c) Polyhedron (Elsevier); d) Journal of Chemistry (Hindawi); e) ZAAC - Zeitschrift für Anorganische und Allgemeine Chemie (Wiley).
- 2004 – present **Invited Lectures and Seminars:** Indiana University, Bloomington, 2013; Indiana University Purdue University Indianapolis, 2013. NAGC workshop on paramagnetic materials, Limassol, Cyprus, 2013; Florida ACS Meeting 2012, Tampa, 2013; Florida Institute of Technology, Melbourne, November 2012; Mastering Leadership Conference 2012, Phoenix, 2012; Hellenic Chemical Society lectureship, 2012; 37<sup>th</sup> South Eastern Magnetic Resonance Conference, Tallahassee, 2008.

#### Awards and Funded External Grants

- 2014 (PI) Cottrell College Science Award - Research Corporation for Science Advancement
- 2014 (PI) NSF-MRI: Acquisition of a Single-Crystal Microsource Diffractometer for Interdisciplinary Materials Research and STEM Education (Proposal # 1429428)
- 2014 (PI) NSF/NHMFL Magnet time proposal for HFEPR measurements (May 2014)

#### Authorship Activities (2007 – present)

i) Peer-reviewed publications: 30 (17 Full papers, 12 Communications, 1 Review), 1 submitted, 4 under submission / 5 invited papers; ii) Weight average of impact factor: 3.952; iii) Hetero-citations: 349; iv) Average citations per item: 14.17; v) Hirsch index  $h = 12$ ; vi) Presentations in conferences: 49; vii) Editor of 1 Book; viii) Editorial Board membership: 1 journal.

#### Innovation in teaching and training

- 2014 Nominated for Mentor of the Year and Outstanding Teaching awards (UNF)
- May 2013 Course Redesign for Effective Learning Workshop
- Since 2013 Editor of the General Chemistry I Laboratory Manual for UNF
- 2009 HHMI Science for Life Graduate Student Mentor Award
- 2008 Graduate Student Award in Chemical Education, University of Florida
- 2006 Department of Chemistry Teaching Award, University of Florida

**Service as Mentor and Student Advisor** (2004-present): a) Mentor of 1 post-doc fellow, and Advisor of 17 undergraduate chemistry students, and 2 high-school students at UNF; b) training of 10 undergraduate chemistry students at the University of Patras; c) training of 10 graduate, 4 undergraduate, and 2 high-school students at the University of Florida.

**Membership in Professional Organizations and Honors Societies:** a) American Chemical Society (since 2007); b) Hellenic Association of Chemists (since 2009); c) International Society of Collegiate Scholars (since 2000); d) ΦΗΣ International Honors Society (since 2000).

#### e) Collaborators and Co-Editors:

K.A. Abboud	A. Barmpoutis	G. Christou	M. Meisel
I. Chiorescu	N. Dalal	S. Hill	A. D. Kent
M. P. Sarachik	M. Murugesu	Th. C. Stamatatos	V. Nastopoulos
S. P. Perlepes	A. J. Tasiopoulos	W. Wernsdorfer	Javier Tejada
C. Carbonera	F. Luis	E. K. Brechin	Y. Sanakis
E. Ruiz	J. S. Huebner	J. R. Friedman	

**M.Sc. and Ph.D. Advisor:** George Christou, Department of Chemistry, University of Florida.

**Post-Doctoral Sponsor:** Spyros Perlepes, Department of Chemistry, University of Patras.