

## Dr. Christos Lampropoulos

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### Professional / Research Experience

08/2016-present	Associate Professor of Chemistry, University of North Florida, Jacksonville
01/2014-01/2016	Founding Partner of Lamp Light Technologies LLC
08/2011-08/2016	Assistant Professor of Chemistry, University of North Florida, Jacksonville
05/2013-08/2013	Visiting Assistant Professor of Chemistry, University of Cyprus, Nicosia, Cyprus
06/2009-06/2011	Post-Doctoral Research Fellow, University of Patras, Patras, Greece

### Academic Background

08/2004-05/2009	<u>Ph.D. in Physical-Inorganic Chemistry</u> , Department of Chemistry, University of Florida, Gainesville, FL, USA. Ph.D. Supervisor: Drago Professor George Christou
08/2004-12/2007	<u>M.Sc. in Chemistry</u> , Department of Chemistry, University of Florida, Gainesville, FL, USA. M.Sc. Supervisor: Drago Professor George Christou
08/1999-05/2004	<u>B.A. in Chemistry with Honors</u> , University of Illinois, Chicago, IL, USA. Undergraduate research supervisor: Professor John Morrison

### UNF Independent Career Highlights

- External grants total: \$591,728 (awarded) and \$1,231,810 (pending)
- Peer Reviewed Papers published: 18 published (39 papers total published, 1 in review)
- Susan B. Anthony Award (2017)
- One-semester full-pay sabbatical (2017)
- Dean's Leadership Council Fellowship (2017)
- UNF Outstanding Undergraduate Teaching Award (2015)
- Visiting professorship at the University of Cyprus (2013)
- 36 UNF students mentored / 18 spent one year or more in the group / current group 8 students
- 63 presentations in external conferences / 22 student presentations in different UNF events
- 23 Invited seminars and conference presentations

### Current & Pending External Funding

- **National Science Foundation (NSF-MRI: DMR-1828566 / Budget \$951,698) Pending**  
*Title: "MRI: Acquisition of a Low Temperature Cathodoluminescence Scanning Electron Microscope For Interdisciplinary Research, Open FAIR Data, and STEM Education".*  
*Co-PI along with P. Eason, D. Santavicca, and S. Stagon, with G. Wurtz as PI*
- **National Science Foundation (NSF-RUI: DMR-1810107 / Budget \$280,112) Pending**  
*Title: "RUI: Pressure Actuated Molecule-Based Hybrid Materials".*  
*Principal Investigator: Dr. C. Lampropoulos with T. Pekarek as Co-PI*
- **National Science Foundation (NSF-MRI: DMR-1626332 / Budget \$118,137) Current**  
*Title: "MRI: Acquisition of an AC Susceptibility Measurement System for Interdisciplinary Materials Research and STEM Education".*  
*Co-PI along with L. Gasparov, with T. Pekarek as PI*

- **Argonne National Laboratory / Advanced Photon Source – Beamtime Proposal Current**  
*Title:* “Single Crystal X-ray Diffraction Under Pressure of a Molecular Analogue of the Perovskite Repeating Unit. Pressure Probe on the Unprecedented Mn<sup>III</sup>-Ce<sup>IV</sup>-Mn<sup>III</sup> exchange Coupling Pathway”  
*Beamline:* 13-BM-C GSECARS (Funded by University of Chicago)  
*Principal Investigator:* Dr. C. Lampropoulos
- **National High Magnetic Field Laboratory Magnet Use Proposal Current**  
*Title:* “HF-EPR of Molecular Magnet-Based Materials Under Ambient and Elevated Pressures”  
*Principal Investigator:* Dr. C. Lampropoulos

### **Past External Funding**

- **National Science Foundation (NSF-MRI: DMR-1429428 / Budget \$407,491)**  
*Title:* “MRI: Acquisition of a Single-Crystal Microsource Diffractometer for Interdisciplinary Materials Research and STEM Education”.  
*Principal Investigator:* Dr. C. Lampropoulos (group proposal with other Co-PIs).
- **CCSA Research Corporation for Science Advancement (Budget \$45,000)**  
*Title:* “Target Synthesis of Hybrid Nanomaterials from Single-Molecule Magnets”  
*Principal Investigator:* Dr. C. Lampropoulos
- **Jean Dreyfus Boissevain Lectureship for Undergraduate Institutions (Budget \$18,500)**  
*Principal Investigators:* Dr. C. Lampropoulos and Dr. K. Laali.
- **Argonne National Laboratory / Advanced Photon Source – Beamtime Proposal**  
*Title:* “Spin-Crossover Cluster: Searching For The Origin of a Single-Crystal To Single-Crystal Transformation”  
*Beamline:* 13-BM-C GSECARS (Funded by University of Chicago)  
*Principal Investigator:* Dr. C. Lampropoulos
- **University of Illinois Materials Computation Center Travel Award (Budget: \$1,600)**  
*Principal Investigator:* Dr. C. Lampropoulos
- **National High Magnetic Field Laboratory Magnet Use Proposal (including \$1,000 travel funds)**  
*Title:* “HFEPR Investigations on (i) the anisotropy of magnetic clusters, and (ii) the quantum mechanical interactions between structural building units in polymers”  
*Principal Investigator:* Dr. C. Lampropoulos
- **European Commission-Funded Post Doctoral Research: University of Patras (Patras, Greece).**  
*Budget:* 150,000 Euros *Principal investigators:* Dr. C. Lampropoulos, Prof. S. P. Perlepes.
- **NSF-Funded Projects: Research Assistantship (NSF-CHE-0414555 and NSF-CHE-0910472)**
- **NSF-Funded Research: National High Magnetic Field Laboratory (Tallahassee, FL, USA).**  
*Subject:* “Characterization of single-molecule magnets using solid-state NMR spectroscopy”.  
*Collaborator:* Prof. N. Dalal.
- **NSF-Funded Research: University of Florida and National High Magnetic Field Laboratory (Tallahassee, FL, USA).**  
*Subject:* “Characterization of single-molecule magnets using high-frequency EPR techniques”.  
*Collaborator:* Prof. S. Hill.

### **Past Internal Funding**

- **TLO and/or Special TLO Awards for 4 years (since 2014)**
- **Dean’s Leadership Council Fellowship (2017)**

- **Research Enhancement Plan** (2013)
- **Research Development Summer grant** (2013 & 2016)
- **Proposal Development Summer grant** (2012)
- **Academic Technology Grant** (2015)

### Authorship Activity

- **Peer-reviewed publications (published/in review):** *40 total – 18 since 2011 – 9 since tenure*  
(21 Full Papers, 18 Communications, 1 review, 6 Invited Papers)
- **Presentations in conferences / research schools:** 88 (63 from UNF, excluding internal events)
- **Google Scholar Statistics (as of April 2018):** h-index: 16  
Citations: 819 (502 since 2013)  
i10-index: 25 (18 since 2013)

### Synergistic Activities:

- **Treasurer of the Florida Section of the ACS:** 2018-present
- **Nominated member of the NHMFL EMR Users Committee:** 2013-2016
- **Nominated member of the ACS Committee for Computers in Chemical Education:** 2013-2016
- **Editorial board membership:** *Austin Journal of Nanomedicine & Nanotechnology* (since 2013)
- **Organizing Committees for local and International Conferences:**
  - Session organizer, 2018 Workshop of the IUCr Commission on High Pressure, IUCr HP 2018 (Honolulu, HI 2018);
  - Inorganic Chemistry session at Florida ACS Meeting (FAME 2016, FAME 2017, FAME 2018);
  - Bruker Crystallography Users Meeting (Jacksonville 2016);
  - Jean Dreyfus Boissevain Lectureship (Jacksonville 2015);
  - 13<sup>th</sup> Int. Conf. of Molecule-based Magnets (ICMM 2012);
  - 4<sup>th</sup> N. America Greece Cyprus Workshop on Paramagnetic Materials (NAGC 2011);
  - FL Inorg. Mater. Symp. (FIMS 2005-2009).
- **Reviewer in International Journals (Since 2011):**
  - *J. Coord. Chem.* (Taylor & Francis);
  - *J. Chem. Ed.* (ACS);
  - *Inorg. Chem.* (ACS);
  - *Polyhedron* (Elsevier);
  - *Journal of Chemistry* (Hindawi);
  - *ZAAC - Zeitschrift für Anorganische und Allgemeine Chemie* (Willey);
  - *Coord.Chem.Rev.* (Elsevier);
  - *Inorganica Chimica Acta* (Elsevier).
- **Reviewer for Funding (Since 2011):**
  - ACS Petroleum Research Fund
- **Invited Lectures and Seminars (Since 2011):**
  - Molecular Magnets Workshop (MMW) at the Sanibel Meeting, St. Simons Island GA, 2018.
  - Invited seminar University of Florida, Gainesville FL, 2017;
  - Invited seminar University of Nevada Las Vegas, Las Vegas NV, 2017;
  - Invited seminar University of Guelph, Guelph Ontario Canada, 2017;
  - Invited seminar Brock University, St. Catharines Ontario Canada, 2017;

- Undergraduate Research and Teaching at the Frontiers of Inorganic Chemistry, SERMACS 2017, Invited oral presentation, Charlotte NC, 2017.
- Current Trends in Molecular & Nanoscale Magnetism / N. America Greece Cyprus workshop on paramagnetic materials (CTMNM/NAGC 2017) Invited oral presentation, Paphos, Cyprus, 2017;
- Invited seminar Georgia Southern University, Statesboro GA, 2017;
- Invited seminar University of South Carolina, Columbia SC, 2016;
- Invited seminar Florida International University, Miami FL, 2015;
- Florida ACS Meeting and Exposition (FAME2015) Invited oral presentation;
- Invited seminar Florida State University, Tallahassee FL, 2015;
- Invited seminar University of South Florida, Tampa FL, 2015;
- Invited seminar University of Athens, Athens, Greece, 2014;
- Invited seminar Indiana University, Bloomington IN, 2013;
- Invited seminar Indiana University Purdue University Indianapolis, Indianapolis IN, 2013;
- North America Greece Cyprus workshop on paramagnetic materials (NAGC2013) Invited oral presentation, Limassol Cyprus, 2013;
- Florida ACS Meeting and Exposition (FAME2013) Invited oral presentation;
- Invited seminar Florida Institute of Technology, Melbourne FL 2012;
- Mastering Leadership Conference, Phoenix, 2012 (invited attendee);
- Hellenic Chemical Society lectureship, Greece 2012;

### **Teaching Experience:**

#### ▪ **At UNF (Since Fall 2011)**

##### Lower Level Teaching

- CHM 2045 General Chemistry I (10 sections)
- CHM 2045 L General Chemistry I Laboratory (7 sections)
- (H) CHM 2045 L Honors General Chemistry I Laboratory (1 section)
- CHM 2046 General Chemistry II (4 sections)

##### Upper Level Teaching

- CHM 3610 Inorganic Chemistry (6 sections)
- CHM 3610 L Inorganic Chemistry Laboratory (10 sections)
- CHM4930 Physical Methods for Inorganic & Materials Chemistry (1 section)
- CHM 4910/4930 Chemical Research (20 students)
- Recipient of the UNF Outstanding Undergraduate Teaching Award for AY2014-15
- Nominated 2 times for outstanding undergraduate teaching award

#### ▪ **At the University of Patras (2009-2011) as Lecturer / Guest Lecturer**

- Magnetism and Magnetic Materials (seminar series)
- Bioinorganic Chemistry (lectures part of graduate level course)
- Inorganic Chemistry Laboratory (teaching assistant)
- Molecular Materials (lectures part of graduate level course)

#### ▪ **At the University of Florida (2004-2009) as a Teaching Assistant (discussion sections)**

- CHM 2045 General Chemistry I (1 semester)
- CHM 2046 General Chemistry II (8 semesters)
- Recipient of the 2006 Department of Chemistry Teaching award
- Recipient of the UF Center for Research at the Bio/Nano Interface Graduate Student Award in Chemical Education.

## **Research Group Mentorship**

### ▪ **At UNF (Since Fall 2011):**

- 36 Undergraduate Students
- 3 High School Visiting Students
- 2 Post-Doctoral Fellows / Visiting Faculty
- Nominated for the UNF Mentor of the year award (AY2013-2014 / 2014-2015 / 2015-2016)
- The group's alumni and their current occupation

*(only students that spent over one year in my group are listed):*

*S. Corrales* (Medical School at Edward Via College of Osteopathic Medicine)  
*T. A. Jenkins* (Chemistry PhD student at University of Florida)  
*J. T. Bryant* (Materials Scientist at Johnson & Johnson)  
*M. Garnero* (Chemistry PhD student at University of Buffalo)  
*J. M. Cain* (Chemistry PhD student at University of Florida)  
*K. A. Uhlig* (PhD student at Virginia Institute of Marine Science)  
*A. Javed* (Pharmacist / Finished Pharmacy school at University of Florida)  
*C. D. Haun* (Director of Labs at CEBA-TEC / finished M.Sc. at University of Florida)  
*J. Henthorn* (Chemist at Vistakon)  
*H. Douglas* (Chemist at Royal DSM in North Carolina)  
*A. L. Castro* (PhD student, Chemical Engineering, Georgia Institute of Technology)  
*D. Pistey* (US Army)  
*N. Mhesn* (Starting PhD in Materials Science & Engineering at Clemson University)  
*M. Pegram* (Engineer at Johnson & Johnson)  
*N. Mishra* (Pharmacy School at Ohio State University)  
*C. McDaniel* (NAS Jacksonville)  
*R. Thomas* (Science high school teacher)  
*S. McPherson* (Scientist at NAS JAX)

- The Spring 2018 group, their expertise or current training/project, their tenure in the group, and their future plans if known:

*E. Williams* (X-ray crystallographer – high pressure crystallography / ~ 2 years in the group / starting PhD at U. of South Carolina in Fall 2018)  
*S. Stone* (high pressure crystallography / ~ 1 year in the group / Applying to medical and graduate schools)  
*M. Shmunes* (synthesis / ~ 1 year in the group / Applying to medical schools)  
*M. Glaze* (synthesis / ~ 1 year in the group)  
*P. Cannizzo* (synthesis / ~ 6 months in the group)  
*A. Dabbas* (TGA/DSC and emission spectroscopy / ~ 3 months in the group)  
*B. O'Laughlin* (TGA/DSC and emission spectroscopy / ~ 3 months in the group)  
*M. Richter* (X-ray diffraction) / ~3 months in the group)

### ▪ **At the University of Patras (2009-2011):**

- 6 Senior Undergraduate Researchers / 2 Graduate Students

### ▪ **At the University of Florida (2004-2009):**

- 3 High School Students / 4 Undergraduate Students
- Trained 3 Post-doctoral fellows, 8 graduate (M.Sc. and Ph.D) students

## **Service at the University of North Florida**

- **Host and Organizer of an International Conference at UNF, the 2016 Bruker Users Meeting**
  - Arranged for the venue, hotel, meals, social events, and transportation of the participants.
  - Invited the local x-ray crystallography community (Florida participants)
  - Coordinated with the program chair about the scheduling of the workshop
  - Organized the hands-on workshop at the UNF x-ray lab
  - Organized the poster session and chaired a session
  - Presented a scientific talk about the UNF x-ray lab and my ongoing research.
- **Host of the Dreyfus Boissevain Lectureship:**
  - Coordinated the lecturer selection effort
  - Invited and hosted Prof. K.C. Nicolaou of Rice University
  - Organized 2 seminars for this lectureship (1 general audience and 1 technical talk)
  - General audience talk was part of the Distinguished Voices Lecture Series (1<sup>st</sup> one organized by the Chemistry Department)
  - Arranged for and participated in radio interviews with the local press
  - Arranged for a diverse audience in the talks from UNF, JU, FSCJ, Edward Waters College, and local high schools
- **Department committees:**
  - 2 Search Committees (Biochemistry and Physical chemistry Tenure-track positions)
  - Curriculum Committee (3 years – 1 year as chair)
  - Space taskforce (2 years)
  - Tenure and promotion committee for regular faculty (2 years)
  - Tenure and promotion committee for lab lecturers (2 years)
  - Mid-tenure review committee for regular faculty (2 years)
  - General Education Task Force (4 years as participant)
  - Program Assessment (6 years as participant)
  - Lab Manual Editing Committee (6 years – 2 years as chair)
- **Chemistry Department Seminar Coordinator (AY 2012-13, 2013-14, 2014-15, 2015-16, 2018):**
  - Invited and hosted 27 high-caliber researchers including 2 Nobel laureates
- **Interdisciplinary Masters degree in Materials and Engineering:**
  - Member of the interdisciplinary committee and participant in the request to plan (RTP) process
- **Departmental Outreach:**
  - Tabling at the fall and spring open house events, and gave departmental tours during the fall and spring open house events (2013 - 2016)
  - Gave departmental tour to Boy Scouts during their visit in October 2012
- **Chemistry Representative for the Jacksonville Teacher Residency (JTR) Project**
  - Content consultant for the graduate course Special Methods in Teaching Science
- **Lab Manual Head Editor (AY2013-14, 2014-15):**
  - Lead the editing efforts for the publication of a departmental CHM2045 lab manual.
- **UNF Digital Humanities Initiative:** Advisory board member and member of events committee
- **UNF Committees**
  - Faculty Enhancement Committee (2 years)
  - Space Committee (2 years)
- **Lecturer of Recorded Review Sessions for Chemistry in the Engineering Fundamentals Exam**

- **Facilitator of Round Table Discussion** at the 2014 UNF S.T.A.R.S conference
- **COAS Convocation Marshal for Fall and Spring Ceremonies:** 2012-present

### Experimental Techniques and Skills

- X-ray Crystallography (collection and analysis of single-crystal X-ray diffraction data, and pressure x-ray crystallography)
- High-pressure science (x-ray diffraction and magnetism) in diamond-anvil cells
- Crystallization (growth of single crystals) of chemical compounds.
- Synthesis and purification of metal complexes (monomers, clusters, coordination polymers).
- Solvothermal and Hydrothermal techniques.
- Characterization and Study of compounds with thermal techniques (*TG/DTG*, *DTA*, *DSC*), electrochemistry and cyclic voltammetry (*CV*), spectroscopic methods (*IR*, *Raman*, *UV/VIS*, *Mössbauer*, *EPR*, *HFEP*, *NMR*, *Mass-spec*), microscopy (*SEM*), and elemental analysis.
- Full Magnetic Characterization of chemical compounds in a SQUID magnetometer and MPMS system, and simulation of the experimental data to theoretical models.
- Full Electronic and Mechanical Maintenance of the MPMS-SQUID and PPMS magnetometer apparatus and their accompanying devices/supplies.
- Full cryogenic maintenance of major instruments.
- Qualitative and quantitative analysis of metal ions using instrumental methods.
- Writing and submitting scientific papers and research proposals.
- Chemical Safety and Chemical Waste Management
- Expertise in molecular modeling software (*2D and 3D chemical structure representations*), statistical and data-processing software (*ORIGIN*, *SigmaPlot*), graphic designing software (*Adobe Photoshop CS*, *Adobe Dreamweaver CS*, *Macromedia Flash*), webpage designing software.

### Awards and Achievements

#### National and International

- Nominated and Elected Member of the NHMFL EMR Users Committee, 2013.
- Visiting Assistant Professorship, University of Cyprus, Summer 2013.
- Nominated and Elected member of the Committee for Computers in Chemical Education, 2013.
- Hellenic Association of Chemists Lectureship Award, Summer 2012.
- Howard Hughes Medical Institute (*HHMI*), Science for Life Graduate Student Mentor Award, Spring 2009.
- Graduate Student Travel Award, 37<sup>th</sup> SE Magnetic Resonance Conference (*SEMRC 2008*).
- The Crow Stasch Award of excellence in scientific publication, 2008.
- Center for Research in the Bio-Nano Interface, Graduate Student Award in Chemical Education, 2008.
- UF College of Liberal Arts and Sciences, Travel awards for participation at the 10<sup>th</sup> International Conference on Molecular-based Magnets (*ICMM*), Victoria Canada, 2006.
- UF Department of Chemistry Teaching Award for the academic year 2005-2006.
- Gerondelis Foundation Scholarship, 2005.
- Honors College Tuition waiver for the academic years 2000-2004, Univ. of Illinois at Chicago.
- National Bank of Greece, Outstanding Undergraduate Student Award, 2004.

#### Internal at UNF

- Susan B. Anthony Award, 2017.
- Dean's Leadership Council Fellowship, 2017.
- One-semester full-pay sabbatical, 2017.
- UNF TLO Special Request, Fall 2018.
- Nominated for the 2017 and 2018 Outstanding International Leadership Award
- Research Development Grant, UNF, Summer 2016.
- UNF TLO Special Request, Spring 2016.
- UNF TLO award, Fall 2015.
- Academic Technology Grant, Fall 2015.
- UNF 2014-2015 Outstanding Undergraduate Teaching Award, Spring 2015.
- COAS Travel Award from private donor, Fall 2014.
- UNF TLO award, Fall 2014.
- Nominated for the 2013-2014 and 2014-2015 Mentor of the Year Award, Spring 2014 and 2015.
- Nominated for the 2013-2014 Outstanding Undergraduate Teaching Award, Fall 2013.
- Research Enhancement Grant, UNF, Fall 2013.
- Research Development Grant, UNF, Summer 2013.
- Proposal Development Grant, UNF, Summer 2012.

#### **Membership in Professional Organizations and Honors Societies**

- National High Magnetic Field Laboratory, EMR Users Committee (term 2013 – 2016)
- American Chemical Society (ACS) (since 2007) / Treasurer of the FL section (2018 – present)
- ACS Committee for Computers in Chemical Education (term 2013 – 2016)
- Hellenic Association of Chemists (since 2009)
- $\Phi\chi\chi$  International Honors Society (since 2000)
- International Society of Collegiate Scholars (since 2000)

#### **Publications**

Notes: *Undergraduate coauthors are signified with asterisks.  
My name underlined signifies corresponding authorship.*

#### **Media Publications** (*scientific magazines*)

- **Lampropoulos, C.** “2016 Bruker users meeting held at the University of North Florida” *American Crystallographic Association (ACA) “Reflexions” magazine*, Spring 2016, pp. 17.

#### **Publications in International Peer-Reviewed Journals**

##### In Preparation / Under Resubmission

- Haraldsen, J. T.; Manual, I.;\* Gasparov, L. V.; Miro, P.; Williams, E. R.;\* **Lampropoulos, C.**; Alexandropoulos, D. I.; Stamatatos, T. C. *Journal of Physical Chemistry* **2018**, *under resubmission*.
- **Lampropoulos, C.** “An Undergraduate Laboratory Experiment in Inorganic Chemistry: Synthesis and Characterization of a Dodecanuclear Molecular Cluster With Exotic Magnetic Properties” *Journal of Chemical Education* **2016**, *under resubmission*.
- Papatiantafyllopoulou, C.; Manos, M. J.; Moushi, E. E.; Christou, G.; Cain, J. M.;\* **Lampropoulos, C.**; Tasiopoulos, A. J. “Mn<sub>20</sub> Carboxylate-Bridged Single-Molecule Magnet



With the Metal Core Topology of a Staggered Bicapped Meissner Supertetrahedron: High-Yield Synthesis, and Reactivity Studies” *Inorganic Chemistry* **2018**, *in preparation*.

- **Lampropoulos, C.**; Vinslava, A.; Abboud, K. A.; Christou, G. “Homo- and Heterometallic Manganese Triangles: New Single-Molecule Magnets, and Probes of Magnetic Interactions and Spin Frustration Effects”, *Inorganic Chemistry* **2018**, *in preparation*.

#### Published Papers After Tenure/Promotion to Associate Professor at UNF

40. Laos, R.; **Lampropoulos, C.**; Benner, S. A. “The surprising self-pairing of imidazo-[1,2a]-1,3,5-triazin-[8H]-4-one, a component of an artificially expanded genetic information system” *Acta Crystallographica C* **2018**, *in review*.
39. Alaimo, A. A.; Alexandropoulos, D. I.; **Lampropoulos, C.**; Stamatatos, T. C. “New insights in Mn-Ca chemistry from the use of oximate-based ligands:  $\{Mn^{II/III}_2Ca_2\}$  and  $\{Mn^{IV}_2Ca_2\}$  complexes with relevance to both low- and high-valent states of the oxygen-evolving complex” *Polyhedron* **2018**, *accepted*. (*Invited*)
38. Alaimo, A. A.; Worrell, A.; Gupta, S. D.; Abboud, K. A.; **Lampropoulos, C.**; Christou, G.; Stamatatos, T. C. “Structural and Magnetic Variations in a Family of Isoskeletal, Oximate-bridged  $\{Mn^{IV}_2M^{III}\}$  Complexes ( $M^{III} = Mn, Gd, Dy$ )” *Chemistry – A European Journal* **2018**, *24*, 2588-2592. <https://doi.org/10.1002/chem.201706098>
37. Jenkins, T.;\* Garnero, M.;\* Corrales, S. A.;\* Mowson, A. M.; Ozarowski, A.; Wernsdrofer, W.; Christou, G.; **Lampropoulos, C.** “Controlled Dimerization of  $Mn_{12}$  Single-Molecule Magnets” *Inorganic Chemistry* **2017**, *56*, 14755. <https://doi.org/10.1021/acs.inorgchem.7b02640>
36. Alexandropoulos, D. I.; Mazarakioti, E. C.; Corrales, S. A.;\* Bryant, J. T.;\* **Lampropoulos, C.**; Stamatatos, T. C. “New ligands for uranium complexation: A stable uranyl dimer bearing 2,6-diacetylpyridine dioxime” *Inorganic Chemistry Communications* **2017**, *78*, 13. DOI: <https://doi.org/10.1016/j.inoche.2017.01.021>
35. Afkhami, F. A.; Khandar, A. A.; White, J. M.; Guerri, A.; Ienco, A.; Bryant, J.;\* Mhesn, N.;\* **Lampropoulos, C.** “Assembly of anion-controlled cadmium (II) coordination polymers from the use of 2-acetyl-pyridyl-isonicotinoilhydrazone” *Inorganica Chimica Acta* **2017**, *457*, 150. DOI: <http://dx.doi.org/10.1016/j.ica.2016.12.009>
34. Pekarek, T. M.; Edwards, P. S.;\* Olejniczak, T. L.;\* **Lampropoulos, C.**; Miotkowski, I.; Ramdas, A. K. “Magnetic properties of the layered III-VI diluted magnetic semiconductor  $Ga_{1-x}Fe_xTe$ ” *AIP Advances* **2016**, *6*, 056222. DOI: [10.1063/1.4945335](https://doi.org/10.1063/1.4945335)
33. Corrales, S.;\* Cain, J. M.;\* Uhlig, K. A.;\* Mowson, A. M.; Papatriantafyllopoulou, C.; Peprah, M.; Ozarowski, A.; Tasiopoulos, A. J.; Christou, G.; Meisel, M. W.; **Lampropoulos, C.** “Introducing Dimensionality To The Archetypical  $Mn_{12}$  Single-Molecule Magnet: A Family of  $[Mn_{12}]_n$  Chains” *Inorganic Chemistry* **2016**, *55*, 1367. DOI: [10.1021/acs.inorgchem.6b00058](https://doi.org/10.1021/acs.inorgchem.6b00058)
32. Perlepe, P. S.; Cunha-Silva, L.; Gagnon, K. J.; Teat, S. J.; **Lampropoulos, C.**; Escuer, A.; Stamatatos, T. C. “Ligands-with-Benefits”: Naphthalene-Substituted Schiff Bases Yielding New Ni(II) Metal Clusters with Ferromagnetic and Emissive Properties and Undergoing Exciting Transformations” *Inorganic Chemistry* **2016**, *55*, 1270. DOI: [10.1021/acs.inorgchem.5b02492](https://doi.org/10.1021/acs.inorgchem.5b02492)

#### Published Papers as an Assistant Professor at UNF

31. Mahmoudi, G.; Gargari, M. S.; Afkhami, F. A.; **Lampropoulos, C.**; Abedi, M.; Corrales, S. A.;\*

- Khandar, A. A.; Mague, J.; Van Derveer, D.; Ghosh, B. K.; Masummi, A. "Mercury (II) Coordination Complexes Bearing Schiff Base Ligands: What Affects Their Nuclearity and/or Dimensionality" *Polyhedron* **2015**, *93*, 46. DOI: [10.1016/j.poly.2015.03.035](https://doi.org/10.1016/j.poly.2015.03.035)
30. Khandar, A. A.; Ghosh, B. K.; **Lampropoulos, C.**; Gargari, M. S.; Yilmaz, V. T.; Bhar, K.; Hosseini-Yazdi, S. A.; Cain, J.;\* Mahmoudi, G. "Coordination Complexes and Polymers From the Initial Application of Phenyl-2-pyridyle Ketone Azine in Mercury Chemistry" *Polyhedron* **2015**, *85*, 467. DOI: [10.1016/j.poly.2014.09.005](https://doi.org/10.1016/j.poly.2014.09.005)
29. **Lampropoulos, C.**; Thuijs, A. E.; Mitchell, K. J.; Abboud, K. A.; Christou, G. "Manganese/Cerium Clusters Spanning a Range of Oxidation Levels and CeMn<sub>8</sub>, Ce<sub>2</sub>Mn<sub>4</sub>, and Ce<sub>6</sub>Mn<sub>4</sub> Nuclearities: Structural, Magnetic and EPR Properties" *Inorganic Chemistry* **2014**, *53*, 6805. DOI: [10.1021/ic500617f](https://doi.org/10.1021/ic500617f)
28. **Lampropoulos, C.**; Cain, J. M.\* "Transition Metal Clusters: A Unique STEM Playground" *Austin Journal of Nanomedicine and Nanotechnology* **2014**, *2* (3), 1019. (*Invited Review*)
27. Zartilas, S.; Papatriantafyllopoulou, C.; Stamatatos, T. C.; Nastopoulos, V.; Cremades, E.; Ruiz, E.; Christou, G.; **Lampropoulos, C.**; Tasiopoulos, A. J. "A Mn<sup>II</sup><sub>6</sub>Mn<sup>III</sup><sub>6</sub> Single-Strand Molecular Wheel with a Reuleaux Triangular Topology: Synthesis, Structure, Magnetism, and DFT Studies" *Inorganic Chemistry*, **2013**, *52*, 12070. DOI: [10.1021/ic401872c](https://doi.org/10.1021/ic401872c)
26. 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<sub>7</sub> Cluster With a Six-Pointed Star Topology" *Polyhedron* **2013**, *64*, 280. DOI: [10.1016/j.poly.2013.05.015](https://doi.org/10.1016/j.poly.2013.05.015)
25. 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<sub>12</sub>O<sub>12</sub>(O<sub>2</sub>CCH<sub>3</sub>)<sub>16</sub>(H<sub>2</sub>O)<sub>4</sub>]·2CH<sub>3</sub>COOH·4H<sub>2</sub>O, and [Mn<sub>12</sub>O<sub>12</sub>(O<sub>2</sub>CPh)<sub>16</sub>(H<sub>2</sub>O)<sub>4</sub>]" *Polyhedron* **2013**, *53*, 62. DOI: [10.1016/j.poly.2013.01.017](https://doi.org/10.1016/j.poly.2013.01.017)
24. Adams, S. T.; da Silva Neto, E. H.; Datta, S.; Ware, J. F.; **Lampropoulos, C.**; Christou, G.; Myaesoedov, Y.; Zeldov, E.; Friedman, J. R. "Geometric-Phase Interference in a Mn<sub>12</sub> Single-Molecule Magnet with Fourfold Rotational Symmetry" *Physical Review Letters* **2013**, *110*, 087205. DOI: [10.1103/PhysRevLett.110.087205](https://doi.org/10.1103/PhysRevLett.110.087205)
23. **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. "Synthesis, Structure, and Spectroscopic and Magnetic Characterization of [Mn<sub>12</sub>O<sub>12</sub>(O<sub>2</sub>CCH<sub>2</sub>Bu<sup>t</sup>)<sub>16</sub>(MeOH)<sub>4</sub>]·MeOH, a Mn<sub>12</sub> Single-Molecule Magnet with True Axial Symmetry" *Inorganic Chemistry* **2013**, *52*, 258. DOI: [10.1021/ic301764t](https://doi.org/10.1021/ic301764t)

#### Published Papers Prior to UNF

22. Li, S.; Bo, L.; Wen, B.; Sarachik, M. P.; Subedi, P.; Kent, A. D.; Yeshurun, Y.; Millis, A. J.; **Lampropoulos, C.**; Mukherjee, S.; Christou, G. "Experimental Determination of the Weiss Temperature of Mn<sub>12</sub>-Ac and Mn<sub>12</sub>-Ac-MeOH", *Physical Review B* **2010**, *82*, 174405. DOI: [10.1103/PhysRevB.82.174405](https://doi.org/10.1103/PhysRevB.82.174405).
21. 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<sub>40</sub>Na<sub>4</sub> Clusters and the Homometallic Mn<sub>44</sub> Analog", *Journal of*

- the American Chemical Society* **2010**, *132*, 16146. DOI: [10.1021/ja106666h](https://doi.org/10.1021/ja106666h)
20. Chen, L.; Wernsdorfer, W.; **Lampropoulos, C.**; Christou, G.; Chiorescu, I. "On-chip SQUID Measurements in the Presence of High Magnetic Fields" *Nanotechnology* **2010**, *21*, 405504. DOI: [10.1088/0957-4484/21/40/405504](https://doi.org/10.1088/0957-4484/21/40/405504)
  19. Wen, B.; Subedi, P.; Bo, L.; Yeshurun, Y.; Sarachik, M. P.; Kent, A. D.; Millis, A. J.; **Lampropoulos, C.**; Christou, G. "Realization of Random-field Ising Ferromagnetism in a Molecular Magnet" *Physical Review B* **2010**, *82*, 014406. DOI: [10.1103/PhysRevB.82.014406](https://doi.org/10.1103/PhysRevB.82.014406)
  18. Koumoussi, E. S.; Manos, M. J.; **Lampropoulos, C.**; Tasiopoulos, A. J.; Wernsdorfer, W.; Christou, G.; Stamatatos, T. C. " $\alpha$ -Benzoin Oxime in Higher Oxidation State 3d Metal Cluster Chemistry: Structural and Magnetic Study of a New Mn<sup>III</sup><sub>9</sub> Complex", *Inorganic Chemistry* **2010**, *49*, 3077. DOI: [10.1021/ic100178y](https://doi.org/10.1021/ic100178y)
  17. **Lampropoulos, C.**; Redler, G.; Data, S.; Abboud, K. A.; Hill, S.; Christou, G. "Binding of Higher Alcohols onto Mn<sub>12</sub> Single-Molecule Magnets: Engineering the Highest Barrier Mn<sub>12</sub> SMM" *Inorganic Chemistry* **2010**, *49*, 1325. DOI: [10.1021/ic901480y](https://doi.org/10.1021/ic901480y)
  16. 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. DOI: [10.1016/j.poly.2009.06.003](https://doi.org/10.1016/j.poly.2009.06.003) (*Invited paper* for the special issue of *Polyhedron* entitled: *Polyhedron: the Next Generation*)
  15. **Lampropoulos, C.**; Stamatatos, T. C.; Manos, M. J.; Tasiopoulos, A. J.; Abboud, K. A.; Christou, G. "New mixed-valence Mn<sup>II/III</sup><sub>6</sub> complexes bearing oximate and azido ligands: Synthesis, and structural and magnetic characterization" *European Journal of Inorganic Chemistry* **2010**, *15*, 2244. DOI: [10.1002/ejic.200901013](https://doi.org/10.1002/ejic.200901013)
  14. **Lampropoulos, C.**; Hill, S.; Christou, G. "A Caveat for single-molecule magnetism: non-linear Arrhenius plots" *Chem.Phys.Chem.* **2009**, *10*, 2397. DOI: [10.1002/cphc.200900420](https://doi.org/10.1002/cphc.200900420)
  13. Redler, G.; **Lampropoulos, C.**; Datta, S.; Koo, C.; Stamatatos, T. C.; Chakov, N. E.; Christou, G.; Hill, S. "Crystal lattice desolvation effects on the magnetic quantum tunneling of single-molecule magnets" *Physical Review B* **2009**, *80*, 094408. DOI: [10.1103/PhysRevB.80.094408](https://doi.org/10.1103/PhysRevB.80.094408)
  12. **Lampropoulos, C.**; Stamatatos, T. C.; Abboud, K. A.; Christou, G. "A convenient Mn<sup>III</sup> starting material for the synthesis of homo- and heterometallic manganese carboxylate clusters: Mn<sub>9</sub> and Mn<sub>10-x</sub>Fe<sub>x</sub> complexes" *Polyhedron* **2009**, *28*, 1958. DOI: [10.1016/j.poly.2008.11.026](https://doi.org/10.1016/j.poly.2008.11.026) (*Invited*)
  11. **Lampropoulos, C.**; Abboud, K. A.; Stamatatos, T. C.; Christou, G. "A nontwisted, ferromagnetically coupled Mn<sup>III</sup><sub>3</sub>O triangular complex from the use of 2,6-bis(hydroxymethyl)-*p*-cresol" *Inorganic Chemistry* **2009**, *48*, 813. DOI: [10.1021/ic802084h](https://doi.org/10.1021/ic802084h)
  10. **Lampropoulos, C.**; Stamatatos, T. C.; Abboud, K. A.; Christou, G. "Initial use of dioximate ligands in 3d/4f cluster chemistry: Synthesis, structure, and magnetic studies of an unusual [Gd<sup>III</sup><sub>2</sub>Mn<sup>IV</sup>O]<sup>8+</sup> complex" *Inorganic Chemistry* **2009**, *48*, 429. DOI: [10.1021/ic802005a](https://doi.org/10.1021/ic802005a)
  9. Burzurí, E.; Carbonera, C.; Luis, F.; Ruiz-Molina, D.; **Lampropoulos, C.**; Christou, G. "Alignment of magnetic anisotropy axes in crystals of Mn<sub>12</sub> molecular nanomagnets: Angle-dependent ac susceptibility study" *Physical Review B* **2009**, *80*, 224428. DOI: [10.1103/PhysRevB.80.224428](https://doi.org/10.1103/PhysRevB.80.224428)
  8. Macià, F.; Hernandez, J. M.; Tejada, J.; Datta, S.; Hill, S.; **Lampropoulos, C.**; Christou, G. "Effects of quantum mechanics on the deflagration threshold in the molecular magnet Mn<sub>12</sub> acetate" *Physical Review B* **2009**, *79*, 092403. DOI: [10.1103/PhysRevB.79.092403](https://doi.org/10.1103/PhysRevB.79.092403)
  7. Stamatatos, T. C.; Christou, A. G.; Mukherjee, S.; Poole, K. M.; **Lampropoulos, C.**; Abboud, K.

- A.; O'Brien, T. A.; Christou, G. "High-yield syntheses and reactivity studies of Fe<sub>10</sub> "ferric wheels": Structural, magnetic, and computational characterization of a star-shaped Fe<sub>8</sub> complex" *Inorganic Chemistry* **2008**, *47*, 9021. DOI: [10.1021/ic801038r](https://doi.org/10.1021/ic801038r)
6. **Lampropoulos, C.**; Koo, C.; Hill, S.; Abboud, K. A.; Christou, G. "Synthesis, magnetism, and High-Frequency EPR spectroscopy of a family of mixed-valent cuboctahedral Mn<sub>13</sub> complexes with 1,8-naphthalenedicarboxylate ligands" *Inorganic Chemistry* **2008**, *47*, 11180. DOI: [10.1021/ic801484g](https://doi.org/10.1021/ic801484g)
  5. Macià, F.; Lawrence, J.; Hill, S.; Hernandez, J. M.; Tejada, J.; Santos, P. V.; **Lampropoulos, C.**; Christou, G. "Spin dynamics in single-molecule magnets combining surface acoustic waves and high-frequency electron paramagnetic resonance" *Physical Review B* **2008**, *77*, 020403. DOI: [10.1103/PhysRevB.77.020403](https://doi.org/10.1103/PhysRevB.77.020403)
  4. Milios, C. J.; Wood, P. A.; Parsons, S.; Albiol, D. F.; **Lampropoulos, C.**; Christou, G.; Perlepes, S. P.; Brechin, E. K. "The use of methylsalicyloxime in manganese chemistry: A [Mn<sup>III</sup>]<sub>3</sub> triangle and its oxidation to a [Mn<sup>IV</sup><sub>4</sub>Ce<sup>III</sup>]<sub>2</sub> rod" *Inorganica Chimica Acta* **2007**, *360*, 3932. DOI: [10.1016/j.ica.2007.06.031](https://doi.org/10.1016/j.ica.2007.06.031)
  3. Moushi, E. E.; **Lampropoulos, C.**; Wernsdorfer, W.; Nastopoulos, V.; Christou, G.; Tasiopoulos, A. J. "A loop-of-loops: A [Mn<sub>10</sub>Na]<sub>4</sub> aggregate of four linked Mn<sub>10</sub> loops" *Inorganic Chemistry* **2007**, *46*, 3795. DOI: [10.1021/ic062454o](https://doi.org/10.1021/ic062454o)
  2. Harter, A. G.; **Lampropoulos, C.**; Murugesu, M.; Kuhns, P.; Reyes, A.; Christou, G.; Dalal, N. S. "<sup>55</sup>Mn nuclear spin relaxation in the truly axial single-molecule magnet Mn<sub>12</sub>-t-butylacetate thermally-activated down to 400 mK" *Polyhedron* **2007**, *26*, 2320. DOI: [10.1016/j.poly.2006.11.039](https://doi.org/10.1016/j.poly.2006.11.039) (Invited)
  1. **Lampropoulos, C.**; Murugesu, M.; Abboud, K. A.; Christou, G. "A family of mixed-valent Mn<sup>IV</sup>Mn<sup>III</sup><sub>6</sub>Mn<sup>II</sup><sub>6</sub> tridecanuclear clusters and their magentostructural correlation" *Polyhedron* **2007**, *26*, 2129. DOI: [10.1016/j.poly.2006.10.038](https://doi.org/10.1016/j.poly.2006.10.038) (Invited)

### Oral (O) and Poster (P) Presentations in Symposia and Conferences<sup>1,2,3</sup>

#### Conference Presentations After Tenure/Promotion to Associate Professor at UNF

88. (IO) **C. Lampropoulos**, "Single-molecule magnets: a lemon worth squeezing", invited oral presentation at the *Molecular Magnets Workshop* (MMW) at the Sanibel Conference, St. Simons Island GA, February 23-24, **2018**.
87. (IO) **C. Lampropoulos**, "Using coordination chemistry tools in heavy metal separations, sensing, and hybrid molecule-based materials", *invited seminar*, University of Florida, Gainesville FL, December 4<sup>th</sup>, **2017**.
86. (IO) **C. Lampropoulos**, "Single-molecule magnets: a lemon worth squeezing", *invited seminar*, High Pressure Science and Engineering Center, University of Nevada Las Vegas, Las Vegas NV, November 29<sup>th</sup>, **2017**.
85. (IO) **C. Lampropoulos**, "Striving for synthetic control in cluster chemistry: the quest for hybrid molecule-based materials", invited oral presentation at the symposium *Undergraduate research and teaching at the frontiers of inorganic chemistry* at the South East Regional American Chemical Society conference (SERMACS 2017), Charlotte NC, November 7-11, **2017**.
84. (P) A. S. Worrell, A. A. Alaimo, G. Christou, **C. Lampropoulos**, T. C. Stamatatos, "Structural and Magnetic Variations in a family of isoskeletal {Mn<sup>IV</sup>2Mn<sup>III</sup>} bent-like complexes (Mn, Gd, Dy), 50<sup>th</sup> Inorganic Discussion Weekend, Toronto ON Canada, November 3-5, **2017**.

83. (IO) **C. Lampropoulos**, “Striving for synthetic control in cluster chemistry: the quest for hybrid molecule-based materials”, *invited seminar*, Brock University, St. Catharines ON Canada, October 20<sup>th</sup>, **2017**.
82. (IO) **C. Lampropoulos**, “Striving for synthetic control in cluster chemistry: the quest for hybrid molecule-based materials”, *invited seminar*, University of Guelph, Guelph ON Canada, October 17<sup>th</sup>, **2017**.
81. (P) **C. Lampropoulos**, E. Williams, S. Stone, T. M. Pekarek, L.V. Gasparov, “High pressure science at UNF”, *Florida Inorganic and Materials Symposium (FIMS 2017)*, Gainesville, FL, October **2017**. (**UNF undergraduate student presenters**)
80. (P) M. Shmunis, T. Jenkins, S. A. Corrales, M. Glaze, E. Williams, S. Stone, A. Mowson, G. Christou, A. Ozarowski, M. Pehrah, M. Meisel, W. Wernsdorfer, **C. Lampropoulos**, “Polymerization and Designed Oligomerization of Mn<sub>12</sub> Single-Molecule Magnets”, *Florida Inorganic and Materials Symposium (FIMS 2017)*, Gainesville, FL, October **2017**. (**UNF undergraduate student presenters**)
79. (P) A. S. Worrell, T. C. Stamatatos, **C. Lampropoulos**, J. Tang, “First use of acenaphthenequinone dioxime as bridging/chelating ligand in heterometallic Mn/Ln cluster chemistry: ferromagnetic complexes and single-molecule magnets”, 100<sup>th</sup> Canadian Chemistry Conference and Exhibition, Abstract 21PZBS, Toronto ON Canada, May 28-June 1, **2017**.
78. (IO) **C. Lampropoulos**, “Applying pressure to materials: the why, the how, the what”, *Current Trends in Molecular and Nanoscale Magnetism / North America Greece Cyprus workshop on paramagnetic materials (CTNM / NAGC 2017)*, Paphos, Cyprus, May 7-12<sup>th</sup>, **2017**.
77. (O) J. Bryant, **C. Lampropoulos**, “Stable uranyl complexes from the use of 2,6-diacetylpyridine dioxime: experimental and in-silico investigation”, *Florida ACS Meeting (FAME 2017)*, Palm Harbor, FL, May 4-6<sup>th</sup>, **2017**. (**UNF undergraduate student presenter**)
76. (P) S. Corrales, T. Jenkins, D. Pistey, E. Williams, ..., **C. Lampropoulos**, “Pushing diol bridges to their limits: synthesis and characterization of single-molecule magnet chains, oligomers, and networks”, *Florida ACS Meeting (FAME 2017)*, Palm Harbor, FL, May 4-6<sup>th</sup>, **2017**. (**UNF undergraduate student presenters**)
75. (IO) **C. Lampropoulos**, “Applying coordination chemistry principles in the quest for hybrid molecule-based materials”, *invited seminar*, Georgia Southern University, Statesboro, GA, April 13<sup>th</sup>, **2017**.
74. (O) T.M. Pekarek, P.S. Edwards, T.L. Olejniczak, J. Garner, C. Lampropoulos, I. Miotkowski, and A.K. Ramdas “Magnetic properties of the layered III-VI diluted magnetic semiconductor Ga<sub>1-x</sub>Fe<sub>x</sub>Te” *Bull. Am. Phys. Soc.*, Vol. 62, No. 4, (2017). American Physical Society March Meeting, New Orleans, LA, March 13-17, **2017**. (Abstract: BAPS.2017.MAR.G1.262)
73. (P) J. Bryant, N. Mhesn, S. Corrales, J. Cain, **C. Lampropoulos**, “Optical properties of molecules: from transition metals to actinides”, *Workshop on 2D and Dirac Materials*, Jacksonville, FL, December **2016**. (**UNF undergraduate student presenters**)
72. (IP) **C. Lampropoulos**, “Taking Single-Molecule Magnets to New Dimensions: Molecules to Dimensional Polymers, Toward Hybrid Materials”, *Workshop on 2D and Dirac Materials*, Jacksonville Beach, FL, December 12-14, **2016**.
71. (P) T.M. Pekarek, T.L. Olejniczak, C. Lampropoulos, I. Mitkowski, and A.K. Ramdas “Magnetic measurements on the layered III-VI Diluted Magnetic Semiconductor Ga<sub>1-x</sub>Fe<sub>x</sub>Te” *The electronic*

- and optical properties of 2D and Dirac materials conference*, Jacksonville Beach, FL, December 12-14, 2016. (UNF undergraduate student presenters)
70. (IO) **C. Lampropoulos**, “Applying coordination chemistry principles in the quest for hybrid molecule-based materials”, *invited seminar*, University of South Carolina, Columbia, SC, November 9<sup>th</sup>, **2016**.
  69. (P) S. Corrales, T. Jenkins, R. Thomas, **C. Lampropoulos**, “Molecular magnets gone dimensional: Mn<sub>12</sub>-based chains, oligomers, and networks”, *Florida Inorganic and Materials Symposium (FIMS 2016)*, Gainesville, FL, October **2016**. (UNF undergraduate student presenters)
  68. (O) R. Thomas, **C. Lampropoulos**, “Single-Molecule Magnets Weaved into Coordination Polymers and Metal-Organic Frameworks”, *Florida Inorganic and Materials Symposium (FIMS 2016)*, Gainesville, FL, October **2016**. (UNF undergraduate student presenter)
  67. (IP) **C. Lampropoulos**, “Pressure possibilities in cluster chemistry: the case of single-molecule magnets”, *invited poster and flash presentation*, 49<sup>th</sup> crystallography course – High pressure crystallography, Erice, Italy, May 27-June 5<sup>th</sup>, **2016**.
  66. (P) **C. Lampropoulos**, T. A. Jenkins, M. Garnero, S. A. Corrales “Molecular magnets gone dimensional”, Florida ACS Meeting (FAME 2016), Palm Harbor, FL, May 5-7<sup>th</sup>, **2016**. (UNF undergraduate student presenters)
  65. (P) **C. Lampropoulos**, J. Bryant, N. Mhesn, S. A. Corrales, F. A. Afkhami, G. Mahmoudi “Schiff base ligands in Hg(II) and Cd(II) chemistry”, Florida ACS Meeting (FAME 2016), Palm Harbor, FL, May 5-7<sup>th</sup>, **2016**. (UNF undergraduate student presenters)
  64. (O) **C. Lampropoulos**, “Molecular magnets gone dimensional” *251<sup>st</sup> National Meeting and Exposition*, San Diego, CA, March 13-17, **2016** (Abstract INOR 1356).
  63. (IO) **C. Lampropoulos**, “The great dependence of cluster chemistry on x-ray crystallography”, *invited oral presentation*, *2016 Bruker Users Meeting*, Jacksonville, FL, January 18-19<sup>th</sup>, **2016**.
  62. (O) T.M. Pekarek, T.L. Olejniczak, **C. Lampropoulos**, I. Miotkowski, A.K. Ramdas “Magnetization measurements on the layered III-VI diluted magnetic semiconductor Ga<sub>1-x</sub>Fe<sub>x</sub>Te,” MMM conference, New Orleans, LA, October 31-November 4, **2016**.
  61. (O) Y. Chen, A.D. Kent, Q. Zhang, M.P. Sarachik, M.L. Baker, D.A. Garanin, N. Mhesn, **C. Lampropoulos** “Time-resolved measurements of spontaneous magnetic deflagration of Mn<sub>12</sub><sup>t</sup>BuAc” American Physical Society March meeting, Baltimore MD, March 14-18, **2016**. (Abstract: BAPS.2016.MAR.B21.11)
  60. (IO) **C. Lampropoulos**, “Applying coordination chemistry principles in the quest for hybrid molecule-based materials”, *invited seminar*, Florida International University (FIU), Miami, FL, November 20<sup>th</sup>, **2015**.
  59. (IO) **C. Lampropoulos**, “Applying coordination chemistry principles in the quest for hybrid molecule-based materials”, *invited seminar*, University of North Florida (UNF), Jacksonville, FL, September 25<sup>th</sup>, **2015**.

#### Conference Presentations as an Assistant Professor at UNF

58. (P) **C. Lampropoulos**, J. M. Cain, S. Corrales, N. Mhesn, K. A. Uhlig, A. Ozarowski, C. Papatriantafyllopoulou, A. J. Tasiopoulos, M. Peparah, M. Meisel, A. M. Mowsonm G. Christou, J. Kinyon, N. S. Dalal”, *International Conference on Research in High Magnetic Fields (RHMF 2015)*, Grenoble, France, July 1-4, **2015**.

57. (IO) **C. Lampropoulos**, “Hybrid molecule-based materials: an amalgam of coordination & cluster chemistries, magnetochemistry, mesoscopic physics, and surface science”, *Florida ACS Meeting and Exposition (FAME2015)*, Tampa, FL, May 7-9, **2015**.
56. (P) **C. Lampropoulos**, N. Mhesn, S. Corrales, T. Jenkins, B. Voss, C. Papatriantafyllopoulou, A. Mowson, A. Ozarowski, J. Kinyon, M. Peprah, A. J. Tasiopoulos, G. Christou, N. Dalal, M. Meisel, “Molecular Magnets Gone Dimensional: Synthesis & Characterization of Single-Molecule Magnet Aggregates”, *Florida ACS Meeting and Exposition (FAME2015)*, Tampa, FL, May 7-9, **2015**. (UNF undergraduate student presenters)
55. (IO) **C. Lampropoulos**, “Molecule-Based Magnetic Materials: Molecular Magnets, Magnetic Polymers, Magnetic Oligomers”, *invited seminar*, Florida State University (FSU), Tallahassee, FL, April 7<sup>th</sup>, **2015**.
54. (IO) **C. Lampropoulos**, “Molecule-Based Magnetic Materials: Molecular Magnets, Magnetic Polymers, Magnetic Oligomers”, *invited seminar*, University of South Florida (USF), Tampa, FL, January 29<sup>th</sup>, **2015**.
53. (O) Y. Chen, A. D. Kent, Q. Zhang, M. P. Sarachik, M. L. Baker, D. A. Garanin, N. Mhesn, **C. Lampropoulos**, “Spontaneous Magnetic Deflagration of  $Mn_{12}^{4}BuAc$  in a Transverse Field” *American Physical Society - March 2015 Meeting*, San Antonio, TX, March 2-6, **2015** (Abstract B31.00005).
52. (O) S. Corrales, **C. Lampropoulos**, “Aggregation of Single-molecule Magnets via Targeted Structural Modifications” *Florida Inorganic and Materials Symposium*, Gainesville, FL, October 3-4, **2014**. (UNF undergraduate student presenter)
51. (P) **C. Lampropoulos**, N. Mhesn, S. Corrales, T. Jenkins, C. Papatriantafyllopoulou, A. J. Tasiopoulos, B. Noll “The Syntheses of One-Dimensional SMM-based Chains” *Florida Inorganic and Materials Symposium*, Gainesville, FL, October 3-4, **2014**. (UNF undergraduate student presenters)
50. (IO) **C. Lampropoulos** “Single-molecule Magnets and Molecule-based Sensors: Design, Synthesis, and characterization”, *invited seminar*, University of Athens, Athens-Greece, July 3<sup>rd</sup>, **2014**.
49. (P) **C. Lampropoulos**, J. M. Cain, N. Mhesn, A. M. Mowson, C. Papatriantafyllopoulou, A. J. Tasiopoulos, G. Christou “Transition Metal Clusters: From Molecules to Supramolecular Aggregates” *Florida ACS Meeting and Exposition (FAME2014)*, Tampa, USA, May 8-10, **2014**. (UNF undergraduate student presenters)
48. (P) **C. Lampropoulos**, “Molecular Magnetic Materials: From Synthesis to Characterization”, Poster on display at the Museum of Science and History, Jacksonville, FL. <http://www.themosh.org>
47. (P) J. M. Cain, **C. Lampropoulos**, “Molecular Magnetic Materials: From Synthesis to Characterization”, *Florida Inorganic and Materials Symposium*, Gainesville, FL, October 18-19, **2013**. (UNF undergraduate student presenter). *Best undergraduate poster award*.
46. (O) J. M. Cain, **C. Lampropoulos**, “The First Family of One-Dimensional Arrays of  $Mn_{12}$  SMMs”, *Florida Inorganic and Materials Symposium*, Gainesville, FL, October 18-19, **2013**. (UNF undergraduate student presenter)
45. (O) **C. Lampropoulos**, “Taking Single-Molecule Magnets to New Directions: From Molecules to Hybrid Materials and to Devices”, *National ACS Meeting and Exposition*, Indianapolis, IN, September 8-12, **2013** (Abstract INOR 198).

44. (IO) **C. Lampropoulos**, “Interlacing STEM Disciplines in the Search for New Molecular Magnetic Materials & Science Education Technologies”, *invited seminar*, Indiana University (IU), Bloomington, IN, September 12<sup>th</sup>, **2013**.
43. (IO) **C. Lampropoulos**, “Interlacing STEM Disciplines in the Search for New Molecular Magnetic Materials & Science Education Technologies”, *invited seminar*, Indiana University Purdue University Indianapolis (IUPUI), Indianapolis, IN, September 10<sup>th</sup>, **2013**.
42. (IO) **C. Lampropoulos**, “Taking Single-Molecule Magnets to New Directions: From Molecules to Hybrid Materials and to Devices”, *North-America Greece Cyprus workshop on Paramagnetic Materials (NAGC2013)*, *invited oral presentation*, Limassol, Cyprus, May 22-26, **2013**.
41. (P) K. A. Uhlig, A. Javed, J. M. Cain, S. Datta, A. M. Mowson, C. Papatriantafyllopoulou, D. Alexandropoulos, A. J. Tasiopoulos, T. C. Stamatatos, G. Christou, **C. Lampropoulos**, “The Search for New Molecular Magnetic Materials: Altering Current Single-Molecule Magnets, Or Starting from Scratch?” *Florida ACS Meeting and Exposition (FAME2013)*, *poster presentation*, Tampa, USA, May 9-11, **2013**. (**UNF undergraduate student presenters**)
40. (P) M. Pegram, J. S. Huebner, **C. Lampropoulos**, “Chasing the “Magic” Analyte – Analyte Recognition Compound (ARC) Pair: Molecular Clusters as ARCs on Photoelectric Chemical Sensors (PECS)”, *Florida ACS Meeting and Exposition (FAME2013)*, Tampa, USA, May 9-11, **2013**. (**UNF undergraduate student presenters**)
39. (IO) **C. Lampropoulos**, “Taking Single-Molecule Magnets to New Directions: From Molecules to Hybrid Materials and to Devices”, *Florida ACS Meeting and Exposition (FAME2013)*, *invited oral presentation at the Materials session*, Tampa, USA, May 9-11, **2013**.
38. (P) M. D. Pegram, J. Henthorn, N. Mishra, C. D. Haun, J. S. Huebner, **C. Lampropoulos**, “The Development of Chemical Sensors”, *Florida Undergraduate Research Conference*, Gainesville USA, February 22-23, **2013**. (**UNF undergraduate student presenters**)
37. (IO) **C. Lampropoulos**, “Taking Single-Molecule Magnets to New Directions: From Molecules to Hybrid Materials and to Devices”, *Florida Institute of Technology*, *invited seminar*, Melbourne, USA, November 1<sup>st</sup>, **2012**.
36. (P) C. McDaniel, **C. Lampropoulos**, A. Castro, C. Papatriantafyllopoulou, A. M. Mowson, A. J. Tasiopoulos, G. Christou, “Attempts to Assess the Dimensionality-Property Relationship in SMMs”, *13<sup>th</sup> International Conference on Molecule-based Magnets*, Orlando, USA, October 7-11, **2012**, [MP-089] in the Book of Abstracts.
35. (P) J. Henthorn, N. Mishra, J. S. Huebner, **C. Lampropoulos**, “Magnetic Clusters as Analyte Recognition Compounds in Sensors”, *13<sup>th</sup> International Conference on Molecule-based Magnets*, Orlando, USA, October 7-11, **2012**, [MP-090] in the Book of Abstracts.
34. (O) Anastasios J. Tasiopoulos, E. E. Moushi, M. Charalambous, C. Papatriantafyllopoulou, **C. Lampropoulos**, T. C. Stamatatos, V. Nastopoulos, W. Wernsdorfer, G. Christou, “High Nuclearity, High Spin Clusters and Single Molecule Magnets from the use of 1,3-Propanediol in Mn Chemistry”, *13<sup>th</sup> International Conference on Molecule-based Magnets*, Orlando, USA, October 7-11, **2012**, [ThC-03] in the Book of Abstracts.
33. (P) J. Henthorn, N. Mishra, C. D. Haun, M. D. Pegram, J. S. Huebner, **C. Lampropoulos**, “Magnetic Clusters as Analyte Recognition Compounds in Sensors”, *Florida Inorganic & Materials Symposium*, Gainesville, USA, September 28-29, **2012**. (**UNF undergraduate student presenters**)



32. (P) C. McDaniel, **C. Lampropoulos**, A. Castro, C. Papatriantafyllopoulou, A. M. Mowson, K. Uhlig, N. Spadaro, A. J. Tasiopoulos, G. Christou, "Synthesis and Characterization of the First 1D chain based on the Mn<sub>12</sub> building block", *Florida Inorganic & Materials Symposium*, Gainesville, USA, September 28-29, **2012**. (UNF undergraduate student presenters)
31. (O) K. Uhlig, **C. Lampropoulos**, "Attempts to Assess the Dimensionality-Property Relationship in SMMs", *Florida Inorganic & Materials Symposium*, Gainesville, USA, September 28-29, **2012**. (UNF undergraduate student presenters)
30. (P) C. McDaniel, **C. Lampropoulos**, "Active Investigations of the Dimensionality-Property Relationship in Single-Molecule Magnets", *Florida ACS Meeting and Exposition*, Tampa, USA, May 17-19, **2012**. (UNF undergraduate student presenters).
29. (P) C. Haun, A. Castro, J. S. Huebner, **C. Lampropoulos**, "Transition Metal Clusters as Analyte Recognition Compounds in Sensors", *Florida ACS Meeting and Exposition*, Tampa, USA, May 17-19, **2012**. (UNF undergraduate student presenters).
28. (O) A. J. Tasiopoulos, E. E. Moushi, M. Charalampous, C. Papatriantafyllopoulou, **C. Lampropoulos**, T. C. Stamatatos, V. Nastopoulos, W. Wernsdorfer, G. Christou, "High Nuclearity, High Spin Clusters and Single-Molecule Magnets from the Use of 1,3-Propanediol in Mn Chemistry", *12<sup>th</sup> Eurasia Conference on Chemical Sciences (EuAsC<sub>2</sub>S-12)*, Corfu, Greece, April 16-21, **2012**.
27. (P) C. McDaniel, H. Douglas, C. Haun, A. Castro, **C. Lampropoulos**, "Single-Molecule Magnets: A Playground for Magnetochemists, Physicists, and Spectroscopists", *2<sup>nd</sup> Annual Florida Undergraduate Research Conference*, DeLand, USA, March 16-17, **2012**. (UNF undergraduate student presenters).
26. (P) H. Douglas, C. Haun, **C. Lampropoulos**, "Single-Molecule Magnets: A Playground for Magnetochemists, Physicists, and Spectroscopists", *Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy PITTCON*, Orlando, USA, March 11-15, **2012**, Abstract 790-26P in the Book of Abstracts. (UNF undergraduate student presenters).

#### Conference Presentations Prior to UNF

25. (O) **C. Lampropoulos**, "High-symmetry and High-Barrier Mn<sub>12</sub> Single Molecule Magnets (SMMs): Engineering the Highest Barrier Mn<sub>12</sub> SMM", *4<sup>th</sup> N. America – Greece – Cyprus Workshop on Paramagnetic Materials*, Patras, Greece, June 14-18, **2011**.
24. (O) S. Li, P. Subedi, Y. Yeshurun, M. P. Sarachik, A. D. Kent, **C. Lampropoulos**, G. Christou, "The effect of sample aspect ratio on Curie temperature of Mn<sub>12</sub>-ac", *American Physical Society March Meeting*, Portland, USA, March 15-19, **2010**, Abstract P33.00005 in the Book of Abstracts.
23. (O) B. Wen, P. Subedi, L. Bo, Y. Yeshurun, M. P. Sarachik, A. D. Kent, **C. Lampropoulos**, G. Christou, "The role of ligand disorder in the long range dipolar ordering of Mn<sub>12</sub>-ac", *American Physical Society March Meeting*, Portland, USA, March 15-19, **2010**, Abstract P33.00004 in the Book of Abstracts.
22. (O) P. Subedi, B. Wen, L. Bo, M. Sarachik, Y. Yeshurun, A. Kent, **C. Lampropoulos**, G. Christou, "Susceptibility of single molecule magnet Mn<sub>12</sub>-acetate single crystals as a function of temperature and transverse field", *American Physical Society March Meeting*, Portland, USA, March 15-19, **2010**, Abstract P33.00003 in the Book of Abstracts.

21. (O) **C. Lampropoulos**, “Probing Magnetic Interactions With Triangular Clusters: Homo- and Heterrometallic Oxide-Centered Mn Triangles”, *3<sup>rd</sup> N. America – Greece – Cyprus Workshop on Paramagnetic Materials*, Portaras, Cyprus, June 15-19, **2009**.
20. (O) **C. Lampropoulos**, “Probing Magnetic Interactions With Triangular Clusters: Homo- and Heterrometallic Oxide-Centered Mn Triangles”, *Florida Annual Meeting and Exposition*, Orlando, USA, May 14-17, **2009**, p. 48 in the Book of Abstracts.
19. (O) **C. Lampropoulos**, “High-Symmetry Mn<sub>12</sub> SMMs: Synthesis, and physical and spectroscopic characterization”, *Florida Inorganic & Materials Symposium*, Gainesville, USA, September 12-13, **2008**.
18. (O) **C. Lampropoulos**, “Polynuclear homo- and heterometallic manganese clusters: Synthesis, structures, and magnetic properties”, *Department of Chemistry, University of Florida, Seminar*, Gainesville, USA, September 10, **2007**.
17. (O) **C. Lampropoulos**, “Homo- and heterometallic manganese clusters: New ligands, synthetic routes, and research directions”, *Department of Chemistry, University of Florida, Seminar*, Gainesville, USA, January 8, **2007**.
16. (O) **C. Lampropoulos**, “Dicarboxylate ligands in manganese cluster chemistry: A new family of tridecanuclear manganese clusters”, *Department of Chemistry, University of Florida, Seminar*, Gainesville, USA, February 13, **2006**.
15. (P) G. Redler, C. Koo, S. Datta, **C. Lampropoulos**, T. C. Stamatatos, G. Christou, S. Hill, “Magnetization barrier reduction in Mn<sub>12</sub> single-molecule magnets”, *American Physical Society March Meeting*, Pittsburgh, USA, March, **2009**, Abstract A31.0004 in the Book of Abstracts.
14. (O) J.R. Friedman, E. H. da Silva Neto, **C. Lampropoulos**, G. Christou, N. Avraham, Y. Myaesoedov, H. Shtrikman, E. Zeldov, “Geometric-phase effect in the thermally assisted resonant tunneling of Mn<sub>12</sub>-<sup>t</sup>BuAc”, *American Physical Society March Meeting*, Pittsburgh, USA, March, **2009**, Abstract A31.0008.
13. (P) **C. Lampropoulos**, J. Lawrence, A. Harter, W. Wernsdorfer, K. A. Abboud, N. S. Dalal, S. Hill, G. Christou, “A new Mn<sub>12</sub> single-molecule magnet with tetragonal (axial) symmetry: magnetic characterization, and single-crystal spectroscopy studies using <sup>55</sup>Mn NMR and high-field EPR (HFEPN)”, *Southeastern Magnetic Resonance Conference*, Tallahassee, USA, October 17-19, **2008**.
12. (O) S. Hill, J. Lawrence, F. Macia, J. M. Hernandez, J. Tejada, P. Santos, **C. Lampropoulos**, G. Christou, “Spin dynamics in single-molecule magnets combining surface acoustic waves and high frequency electron paramagnetic resonance”, *American Physical Society March Meeting*, New Orleans, LA, March 10-14, **2008**, Abstract V32.00012 in the Book of Abstracts.
11. (O) S. Hill, G. Redler, S. Datta, C. Koo, **C. Lampropoulos**, G. Christou, “The effective barrier to magnetization reversal in single-molecule magnets”, *53rd Conference on Magnetism and Magnetic Materials (MMM)*, Austin, USA, November 10-14, **2008**.
10. (O) E. Burzurí, C. Carbonera, F. Luisa, D. Ruiz-Molina, **C. Lampropoulos**, G. Christou, “How well aligned are the magnetic anisotropy axes in crystals of Mn<sub>12</sub> molecular nanomagnets? An angle-dependent ac susceptibility study”, *Nano Spain 2008*, Braga, Portugal, April 14-18, **2008**.
9. (P) E. E. Moushi, **C. Lampropoulos**, Th. C. Stamatatos, V. Nastopoulos, W. Wernsdorfer, G. Christou, A. J. Tasiopoulos, “Synthesis, crystal structures and magnetic properties of two new high nuclearity manganese clusters with 1,3-propanediol”, *9<sup>th</sup> FIGIPAS Meeting in Inorganic Chemistry*, Vienna, Austria, July 4-7, **2007**. Abstract PO-110.

8. (P) Th. C. Stamatatos, **C. Lampropoulos**, K. A. Abboud, W. Wernsdorfer, G. Christou, "High nuclearity, high symmetry, high spin molecules: A mixed-valence Mn<sub>10</sub> cage possessing rare *T* symmetry and an *S* = 22 ground state", *Florida Inorganic Mini-Symposium*, Gainesville, Florida, USA, October 14, **2006**. One page in the Book of Abstracts.
7. (P) Th. C. Stamatatos, **C. Lampropoulos**, W. Wernsdorfer, K. A. Abboud, G. Christou, "A new world record for the spin on a molecule: A new Mn<sub>25</sub> complex possessing an *S* = 61/2 ground state and single-molecule magnetism behavior", *Florida Inorganic Mini-Symposium*, Gainesville, Florida, USA, October 14, **2006**. One page in the Book of Abstracts.
6. (P) Th. C. Stamatatos, **C. Lampropoulos**, K. A. Abboud, W. Wernsdorfer, G. Christou, "High nuclearity, high symmetry, high spin molecules: A mixed-valence Mn<sub>10</sub> cage possessing rare *T* symmetry and an *S* = 22 ground state", *10<sup>th</sup> International Conference on Molecule-based Magnets*, Victoria, Canada, August 13-17, **2006**, p. 0174 in the Book of Abstracts.
5. (P) Th. C. Stamatatos, **C. Lampropoulos**, W. Wernsdorfer, K. A. Abboud, G. Christou, "A new world record for the spin on a molecule: A new Mn<sub>25</sub> complex possessing an *S* = 61/2 ground state and single-molecule magnetism behavior", *10<sup>th</sup> International Conference on Molecule-based Magnets*, Victoria, Canada, August 13-17, **2006**, p. 0170 in the Book of Abstracts.
4. (P) A. G. Harter, **C. Lampropoulos**, R. Bagai, E. Hicks, P. Kuhns, A. Reyes, G. Christou, N. S. Dalal, "Longitudinal-Relaxation in a Family of Single-Molecule Magnets", *10<sup>th</sup> International Conference on Molecule-based Magnets*, Victoria, Canada, August 13-17, **2006**, p. 0102 in the Book of Abstracts.
3. (P) **C. Lampropoulos**, M. Murugesu, K. A. Abboud, G. Christou, "A family of mixed-valent Mn<sup>IV</sup>Mn<sup>III</sup><sub>6</sub>Mn<sup>II</sup><sub>6</sub> tridecanuclear clusters, and their magnetostructural correlation", *10<sup>th</sup> International Conference on Molecule-based Magnets*, Victoria, Canada, August 13-17, **2006**, p. 0169 in the Book of Abstracts.
2. (O) A. Harter, N. Chakov, **C. Lampropoulos**, G. Christou, P. Kuhns, A. Reyes, N. S. Dalal, "Working Hard to Understand Relaxation: NMR and Single-Molecule Magnets", *Florida Regional ACS Meeting*, Orlando, FL, May 11-13, **2006**.
1. (P) **C. Lampropoulos**, M. Murugesu, K. A. Abboud, G. Christou, "Synthesis and characterization of a family of mixed-valent Mn<sup>II</sup>-Mn<sup>IV</sup>-Mn<sup>III</sup> tridecanuclear clusters", *231<sup>st</sup> National American Chemical Society Meeting*, Atlanta, USA, March 26-30, **2006**. Abstract INOR 197.

<sup>1</sup> This list excludes various internal events and poster sessions on the UNF campus

<sup>2</sup> The conferences listed here are either peer-reviewed or selective for contributed works

<sup>3</sup> Invited oral presentations and seminars are denoted by "(IO)"

#### **Student Presentations at UNF Poster Sessions**<sup>4, 5</sup>

22. **C. Lampropoulos**, M. Richter, M. Shmunes, M. Glaze, E. Williams, S. Stone "Polymerization and Designed Oligomerization of Mn<sub>12</sub> Single-Molecule Magnets", SOARS, April 2018.
21. **C. Lampropoulos**, E. Williams, S. Stone "High pressure science at UNF", Natural Sciences Poster Session, October 2017).
20. M. Shmunes, T. Jenkins, S. A. Corrales, M. Glaze, E. Williams, S. Stone, **C. Lampropoulos** "Polymerization and Designed Oligomerization of Mn<sub>12</sub> Single-Molecule Magnets", Natural Sciences Poster Session, Gainesville, FL, October 2017).
19. **C. Lampropoulos**, S. Corrales, T. Jenkins, R. Thomas "Molecular Magnets Gone Dimensional: Mn<sub>12</sub>-Based Chains, Oligomers, and Networks", SOARS, April 2016.

18. **C. Lampropoulos**, S. Corrales, T. Jenkins, R. Thomas “Molecular Magnets Gone Dimensional: Mn<sub>12</sub>-Based Chains, Oligomers, and Networks”, Natural Sciences Poster Session, October 2016.
17. **C. Lampropoulos**, J. Bryant, N. Mhesn, S. A. Corrales, F. A. Afkhami, G. Mahmoudi “Schiff base ligands in Hg(II) and Cd(II) chemistry”, SOARS, April 13<sup>th</sup>, 2016.
16. **C. Lampropoulos**, T. Jenkins, M. Garnero, S. Corrales “Molecular Magnets Gone Dimensional” SOARS, April 13<sup>th</sup>, 2016.
15. N. Mhesn, S. Corrales, T. Jenkins, D. Pistey, B. Voss, **C. Lampropoulos** “Molecular Magnets Gone Dimensional” Natural Sciences Poster Session, October 16<sup>th</sup>, 2015.
14. N. Mhesn, S. Corrales, T. Jenkins, **C. Lampropoulos** “Aggregating Single-Molecule Magnets (SMM)s: Synthesis and Characterization of the First SMM Polymers and Oligomers” SOARS April 17<sup>th</sup> 2015 (*3 Poster Awards*).
13. J. M. Cain, N. Mhesn, **C. Lampropoulos** “Transition Metal Clusters: From Molecules to Supramolecular Aggregates” SOARS April 18<sup>th</sup>, 2014.
12. **C. Lampropoulos** “Interlacing STEM Disciplines in the Search for New Molecular Magnetic Materials & Science Education Technologies” STARS, April 14, 2014 (competition poster presented by Dr. Lampropoulos).
11. N. Mhesn, T. Jenkins, S. Corrales, **C. Lampropoulos** “The Syntheses of One-Dimensional SMM-Based Chains” Natural Sciences Poster Session, October 24<sup>th</sup> 2014.
10. S. Corrales, N. Mhesn, T. Jenkins, **C. Lampropoulos** “Novel Aggregates of Mn<sub>12</sub> Single-Molecule Magnets: Syntheses, X-ray Crystallography, Magnetic Properties, Thermal Stability Studies, and High-Field EPR” Natural Sciences Poster Session, October 24<sup>th</sup> 2014.
9. M. Pegram, J. Henthorn, C. D. Haun, **C. Lampropoulos** “The Development of Chemical Sensors and the Engineering of a Pressure Chamber for Pressure Swing Absorption Studies on Metal Organic Frameworks” SOARS, April 19, 2013.
8. A. Javed, K. Uhlig, **C. Lampropoulos** “The First Family of Linked Mn<sub>12</sub> Single-Molecule Magnets” SOARS, April 19<sup>th</sup> 2013.
7. J. M. Cain, M. Pegram, K.A. Uhlig, A. Javed, **C. Lampropoulos** “Molecular Magnetic Materials: From Synthesis to Characterization” Natural Sciences Poster Session, November 1<sup>st</sup> 2013.
6. C. McDaniel, **C. Lampropoulos** “Single-Molecule Magnets: An Investigation of the Dimensionality-Structure Relationship” STARS, April 11<sup>th</sup> 2012.
5. A. L. Castro, H. Douglas, C. D. Haun, **C. Lampropoulos** “Single-Molecule Magnets: A Playground for Magnetochemists, Physicists, and Spectroscopists” STARS, April 11<sup>th</sup> 2012.
4. C. McDaniel, A. L. Castro, **C. Lampropoulos** “Single-Molecule Magnets: An Investigation of the Dimensionality-Structure Relationship” SOARS, April 13<sup>th</sup> 2012.
3. A. L. Castro, H. Douglas, C. D. Haun, **C. Lampropoulos** “Single-Molecule Magnets: A Playground for Magnetochemists, Physicists, and Spectroscopists” SOARS, April 13<sup>th</sup> 2012.
2. J. Henthorn, N. Mishra, **C. Lampropoulos** “Magnetic Clusters as Analyte Recognition Compounds in Sensors” Natural Sciences Poster Session, October 19<sup>th</sup> 2012.
1. C. McDaniel, A. L. Castro, **C. Lampropoulos** “Attempts to Assess the Dimensionality-Property Relationship in SMMs” Natural Sciences Poster Session, October 19<sup>th</sup> 2012.

<sup>4</sup> Only the undergraduate student presenters are listed.

<sup>5</sup> Abbreviations: SOARS = Showcase of Osprey Advancements in Research & Scholarship;  
STARS = Scholars Transforming Academic Research Symposium.

### **Attendance of Seminars and Research Schools**

- Almax EasyLab Inc. training on diamond anvil cell technology for x-ray crystallography and magnetism, Diksmuide, Belgium, May 14-17, **2017**.
- 49<sup>th</sup> International Summer School on X-ray Crystallography, Erice, Italy, May 27-June 5, **2016**.
- National Science Foundation (NSF) Grants Meeting, Tampa FL, June 1-3, **2015**.
- “*It Doesn’t Always Have to be a Single Crystal*”, Bruker Webinar, October, **2014**.
- “*Absolute Structure Determination for Light Atom Structures*”, Bruker Webinar, April **2013**.
- “*Chemical Weapons Workshop*”, Nicosia, Cyprus, May 28<sup>th</sup>, **2013**.
- “Course Redesign for Effective Learning Workshop” CREL 2013, UNF, May 1-7, **2013**.
- “*Current trends in nanoscopic and mesoscopic magnetism*”, Santorini, Greece, September 6-9, **2006**.

### **Organization and Participation in Online Conferences**<sup>6,7,8</sup>

- CCED Conf. Chem. 2015 / Theme: “Interactive Visualizations for Chemistry Teaching and Learning”
- CCED Conf. Chem. 2014 / Theme: “Flipped Classroom”
- Fall 2014 CCED Newsletter Discussion of virtual posters
- Fall 2013 CCED Newsletter Discussion of virtual posters

<sup>6</sup> The Committee for Computers in Chemical Education of the ACS Division of Chemical Education organizes these virtual conferences, and newsletter discussions.

<sup>7</sup> Authors write a paper or virtual poster, and then participants ask questions and there is an active discussion on the topics presented by the authors.

<sup>8</sup> Members of the committee choose the theme for the Conf. Chem., identifying authors, organize and/or moderate them, and participate in the discussion.