

NERISSA LEWIS

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- Education**
- PhD, Inorganic Chemistry
Dissertation Title: Synthesis and Characterization of Novel B12-conjugates with Potential Application for Targeted Delivery of Metal-Containing Therapeutic and Diagnostic Agents.
Louisiana State University (May 2017)
- MEd, Curriculum & Instruction
Theses Title: Curriculum Design for the Implementation of Active Learning Strategies in General Chemistry Courses at Walla Walla University.
Walla Walla University (August 2021)
- MS, Inorganic Chemistry
Thesis Title: Structural and *in Vitro* Studies of Novel chemotherapeutic agents of Vanadium(IV) with Schiff Bases and Thiosemicarbazone Ligands.
University of Southern Mississippi (December 2011)
- BS, Chemistry (Major) and Analytical Chemistry (Minor)
Research Title: Determination of Acetyl Cholinesterase Activity in Human Plasma".
University of the West Indies, St Augustine (May 2007)
- Employment**
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| 2021-Present | Assistant Professor, Seattle Pacific University |
| 2017-2021 | Assistant Professor, Walla Walla University |
| 2011-2017 | Teaching Assistant, Louisiana State University |
| 2011-2017 | Research Assistant, Louisiana State University |
| 2010-2011 | Research Assistant, University of Southern Mississippi |
- Publications**
- Lewis, N. A.; Pakhomova, S., Marzilli, P. A.; Marzilli, L. G., Synthesis and Characterization of Pt(II) Complexes with Pyridyl Ligands: Elongated Octahedral Ion Pairs and Other Factors Influencing ¹H NMR Spectra; *Inorg. Chem.* 2017, 56, 9781-9793.
- Lewis, N. A.; Marzilli, P. A.; Fronczek, F. R.; Marzilli, L. G., Models for B12-Conjugated Radiopharmaceuticals. Cobaloxime Binding to New fac-[Re(CO)₃(Me₂bipyridine)(amidine)]BF₄ Complexes Having an Exposed Pyridyl Nitrogen; *Inorg. Chem.* 2014, 53, 11096-11107.

Lewis, N. A.; Liu, F.; Seymour, L.; Magnusen, A.; Erves, T. R.; Arca, J. F.; Beckford, F. A.; Venkatraman, R.; Gonzalez-Sarrias, A.; Fronczek, F. R.; Van, D. D. G.; Seeram, N. P.; Liu, A.; Jarrett, W. L.; Holder, A. A.; Synthesis, Characterization, and Preliminary In Vitro Studies of Vanadium(IV) Complexes with a Schiff Base and Thiosemicarbazones as Mixed Ligands; *Eur. J. Inorg. Chem.* 2012, 2012 (4), 664-677.

Kumar, A.; Moody, L.; Olaivar, J. F.; Lewis, N. A.; Khade, R. L.; Holder, A. A.; Zhang, Y.; Rangachari, V.; Inhibition of A β 42 Peptide Aggregation by a Binuclear Ruthenium(II)-Platinum(II) Complex: Potential for Multimetal Organometallics as Anti-Amyloid Agents; *ACS Chem. Neurosci.* 2010, 1 (10), 691-701.

Professional Meetings Council for Christian Colleges & Universities Diversity Conference at George Fox University: Newberg Campus in Newberg, Oregon, October 4-6, 2019.

American Chemical Society 73rd Northwest Regional Meeting at Pacific Northwest National Laboratory in Richland, Washington, USA, June 24-27, 2018.

Lewis, N. A.; Marzilli, P. A.; Pakhomova, S.; Marzilli, L. G., Novel Pt(II) Complexes with N-Donor Ligands: Synthesis, Characterization and Potential Use as Chemotherapeutic Agents, 39th International Precious Metal Conference: 2015.

241st American Chemical Society National Meeting & Exposition, Anaheim, CA, United States, March 27-31, 2011. Title: "Novel chemotherapeutic agents of vanadium(IV) with thiosemicarbazones and Schiff bases as ligands: Structural and In Vitro studies." Authors: Lewis, N. A.; Liu, F.; Magnusen, T.; Erves, T.; Arca, J. F.; Beckford, F. A.; Venkatraman, R.; Gonzalez, S. A.; Li, L.; Parajuli, S.; Seeram, N.; Liu, A.; Jarrett, W.; Miao, W. and Holder, A. A.

Graduate Student Research symposium, Thad Cochran Center, The University of Southern Mississippi, Hattiesburg, MS, United States, March 18, 2011. Title: "Novel chemotherapeutic agents of vanadium(IV) with thiosemithiocarbazones and Schiff bases as ligands: Structural and In Vitro studies." Authors: Lewis, N. A. and Holder, A. A.

The 75th annual meeting of the Mississippi Academy of Sciences, Thad Cochran Center, The University of Southern Mississippi, Hattiesburg, MS, United States, February 17, 2011. Title: "Novel chemotherapeutic agents of vanadium(IV) with thiosemicarbazones and Schiff bases as ligands: Structural and In Vitro studies." Authors: Lewis, N. A.; Liu, F.; Magnusen, T.; Erves, T.; Arca, J. F.; Beckford, F. A.; Venkatraman, R.; Gonzalez, S. A.; Li, L.; Parajuli, S.; Seeram, N.; Liu, A.; Jarrett, W.; Miao, W. and Holder, A. A.

The 74th annual meeting of the Mississippi Academy of Sciences, Lake Terrace Convention Center, Hattiesburg, MS, United States, February 11, 2010. Title: “Synthesis, characterization, and electrocatalytic activity of novel ruthenium(II)-containing hydrogen producing photocatalysts.”