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EDUCATION Doctor of Philosophy (Organic Chemistry), La Trobe University, Melbourne, Victoria, Australia, conferred 2012

Bachelor of Science (First Class Honours), La Trobe University, Melbourne, Victoria, Australia, conferred 2008

PROFESSIONAL EXPERIENCE Sul Ross State University (2014-current), Texas Tech University (2013-2014), Monash Institute of Pharmaceutical Sciences, Monash University, Australia (2012-2013), Advanced Molecular Technologies, Australia (2011-2012), La Trobe University, Australia (2007-2011).

TRAINING AND CERTIFICATION Powder Applications Training, Bruker AXS Inc, Madison WI, September 1, 2016

Equal Employment Opportunity (EEO) Training, Sul Ross State University, Alpine, TX, 16 August, 2016

Ethics Training, Sul Ross State University, Alpine, TX, 6 October, 2014

PROFESSIONAL ASSOCIATIONS American Chemical Society, The Royal Australian Chemical Institute, American Association for the Advancement of Science, American Oil Chemists' Society

HONORS, AWARDS, AND LISTINGS David Kelly Medial, La Trobe University, 2008, Max O'Connor Honours Year Prize in Chemistry, La Trobe University, 2008, Michael Grant Prize in Chemistry, La Trobe University, 2007. Bronze La Trobe Award, La Trobe University, 2011

PUBLICATIONS David J. Leaver, Presheet Patkar, Ujjial K. Singha, Matthew B. Miller, Brad A. Haubrich, Minu Chaudhuri and W. David Nes "Fluorinated Sterols Are Suicide Inhibitors of Ergosterol Biosynthesis and Growth in *Trypanosoma brucei*", *Chemistry & Biology*, 22, 1374-1383, **2015**.

Fabio R. Santori, Pengxiang Huang, Serge A. van de Pavert, Eugene F. Douglass Jr, David J. Leaver, Brad A. Haubrich, Rok Keber, Gregor Lorbek, Tanja Konijn, Brittany N. Rosales, Simon Horvat, Damjana Rozman, Alain Rahier, Reina E. Mebius, Fraydoon Rastinejad, W. David Nes and Dan R. Littman, "Identification of Natural ROR γ Ligands that Regulate the Development of Lymphoid Cells" *Cell Metabolism*, 21, 286-297, **2015**.

David J. Leaver, Andrew B. Hughes, Raymond M. Dawson, Almar Postma, Nino Malic and Anastasios Polyzos, "Synthesis of RAFT Polymers as Bivalent Inhibitors of Cholera Toxin" *RSC Advances*, 4, 14868-14871, **2014**.

David J. Leaver, Raymond M. Dawson, Jonathan M., White, Anastasios Polyzos and Andrew B. Hughes, "Synthesis of 1,2,3-Triazole Linked Galactopyranosides and Evaluation of Cholera Toxin Inhibition" *Organic & Biomolecular Chemistry*, 9, 8465-8474, **2011**.

RESEARCH AND PROFESSIONAL PRESENTATIONS "Novel Ergosterol Biosynthesis Inhibitors as Anti-Trypanosomal Agents", 105th AOCS Annual Meeting & Expo, San Antonio, Texas, United States of America, 2014.

"Ergosterol Biosynthesis Inhibitors: A Window of Opportunity to Treat Human African Trypanosomiasis and Chagas Disease?", Nanjing University, People's Republic of China, 2013.

"Synthesis and Biological Evaluation of Bivalent Poly(N-acryloylmorpholine) Galacto-Conjugated RAFT Polymers as Inhibitors of Cholera Toxin", Biomolecular at the Beach: Medicinal Chemistry, Chemical Biology, and Drug Design, Torquay, Australia, 2011

"Synthesis and Biological Evaluation of Bivalent 1,2,3-Triazole Linked Galactopyranoside Inhibitors of Cholera Toxin", 16th European Carbohydrate Symposium, Sorrento-Naples, Italy, 2011

"Developing a Cholera Prophylactic", Intersect 09: Where Australian Chemistry meets Biosciences, Materials and Medicines, La Trobe University, Melbourne, Australia, 2009

GRANTS RECEIVED Synthesis of Novel Nonsteroidal Small Molecules as Potential Inhibitors of Protozoan Parasites, Sul Ross State University Research Enhancement, 2016. Amount awarded: \$4,500.

RACI Graduate Student Travel Award, Royal Australian Chemical Institute, 2011, \$2000

Miller Travelling Fellowship, La Trobe University, 2011, \$2,000

Australian Post-Graduate Award, La Trobe University, 2008, \$70,000

La Trobe University/CSIRO PhD top-up scholarship, 2008, \$17,500