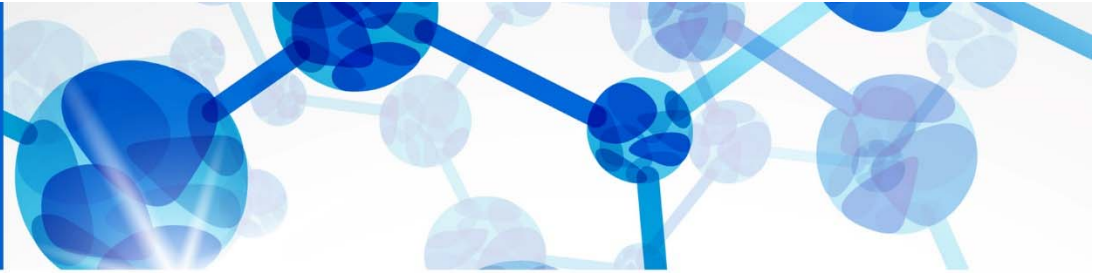




2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Poster Competition Chairs: Charles Miller and Carmen Gomes

Judges

Andrew Sweeney, Utah Office of Energy

Ryan Bench, Carollo Engineers

Phil Heck, Central Valley Water Reclamation Facility

Kirsten Sims, WesTech

Brett Boissevain, WesTech

Rean Baktur, GE HealthCare

Dusti McEwen, Utah State University

Nephi Jones, ThermoFisher Scientific

Vladimir Reukov, Clemson University

Melanie Correll, University of Florida

Ryan Summers, University of Alabama

Sam Shepherd, SBC CapTec



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Poster Competition

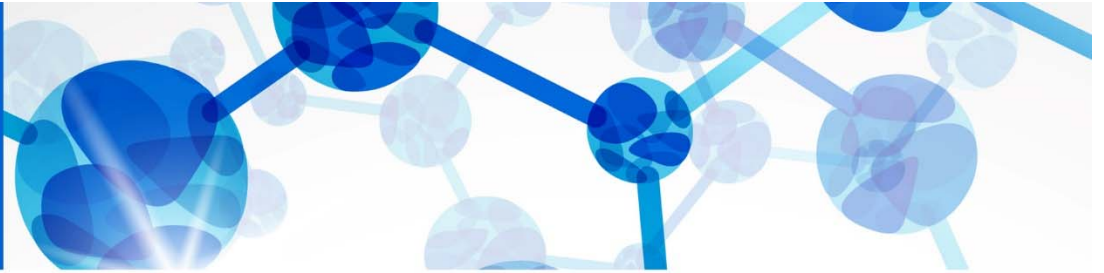
UNDERGRADUATE STUDENT WINNERS



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Third Place Winner

Agent-Based Modeling of Phage-Assisted Continuous Evolution (PACE)

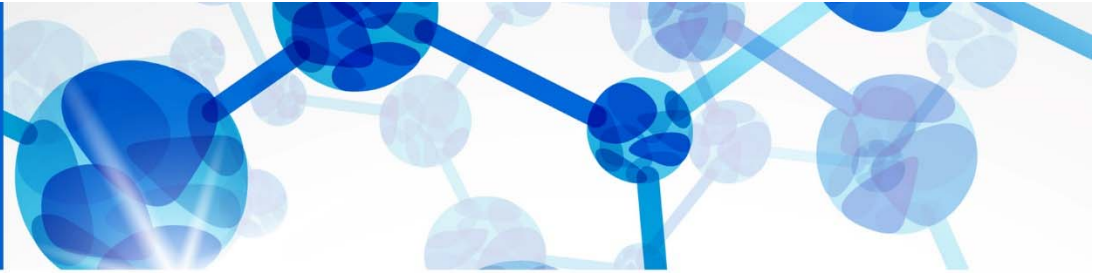
Dylan Maghini, Laurie Heyer, A. Malcolm
Campbell, Davidson College



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Second Place Winner

Synthesizing Microcarriers as a Platform for the Pharmaceutical Delivery of Quercetin for Antiviral Applications

Taylor Eggertsen, Arther Hart, William
Johnson, Dr. David Britt,

Dr. Elizabeth Vargis, Utah State University



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



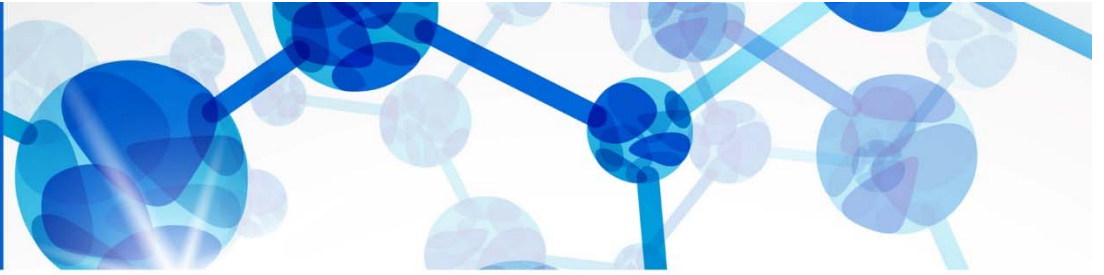
KSBB Outstanding Poster First Place Winner



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Characterization of Purple Non-Sulfur Bacteria for Application in Wastewater Treatment

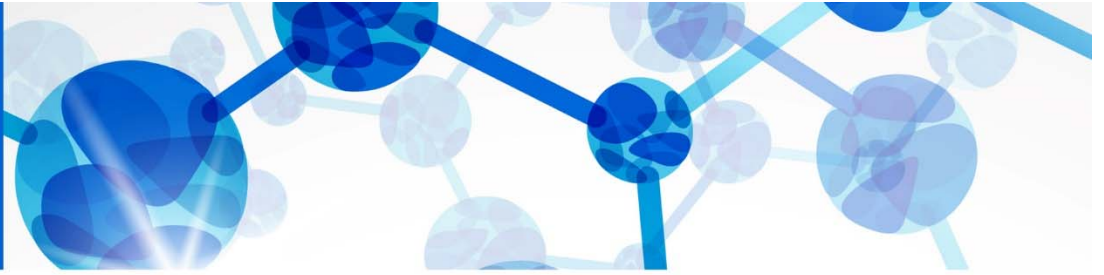
Andrew Walters, Anna Doloman, Ron Sims,
and Charles Miller, Utah State University



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Poster Competition

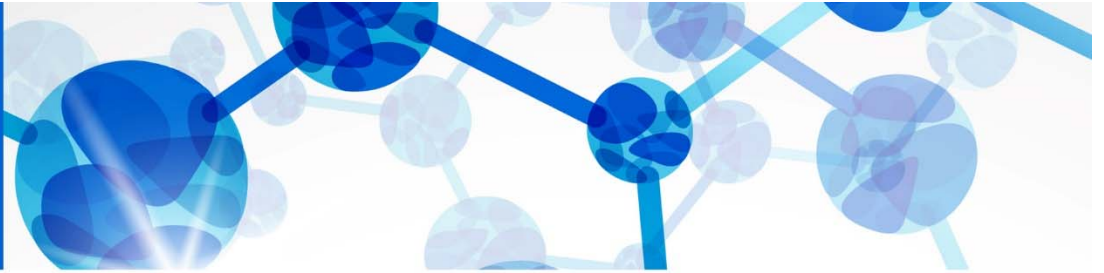
GRADUATE STUDENT WINNERS



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Third Place Winner

Controlled Delivery of a Therapeutic Glycosaminoglycan for Amelioration of Radiation-Induced Proctitis-Associated Pain

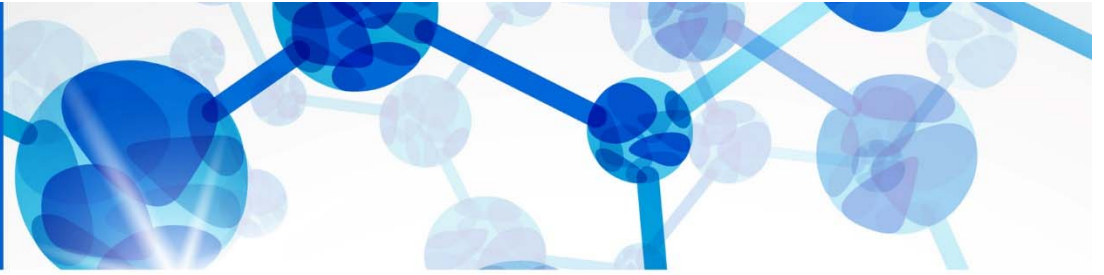
Mark Martin, Wanjian Jai, Kyle J. Isaacson,
Austin Schults, Joseph Cappello, Glenn D.
Prestwich, Siam Oottamasathien, Hamidreza
Ghandehari, University of Utah



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Second Place Winner

***Novel use for Cement Production Byproduct
as Chemical Coagulant and Flocculant***

Alan Hodges, Jordan Wanlass, Ronald Sims

Utah State University



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



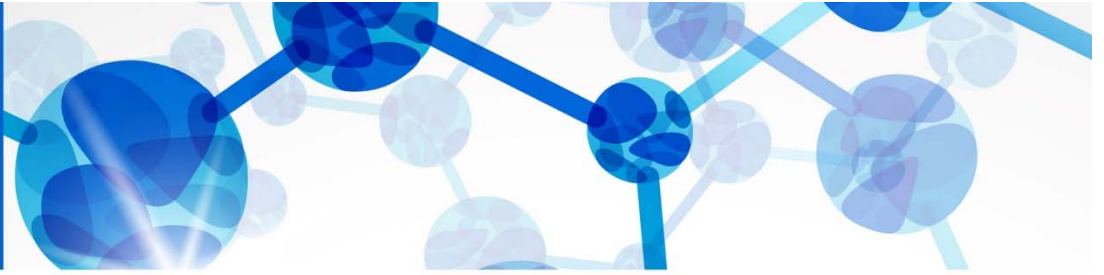
KSBB Outstanding Poster First Place Winner



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Dual-responsive, biomimetic nanogels for controlled release of cancer drugs

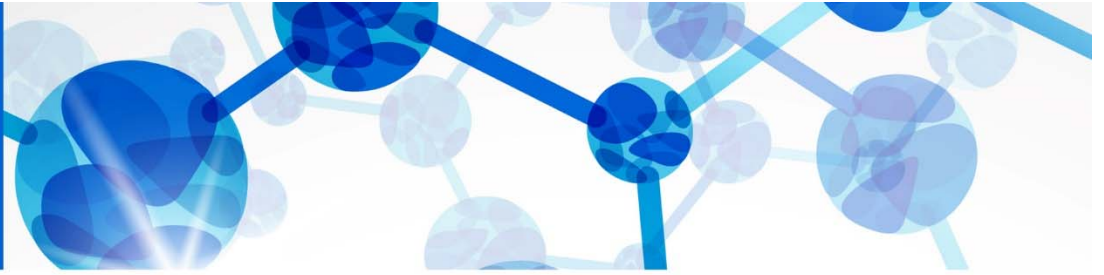
Kyle Isaacson, M. Martin Jensen, Alex
Watanabe, Bryant Green, Teresa Ta,
Joseph Cappello, Hamid Ghandehari,
University of Utah



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Senior Capstone Design Competition



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Third Place Winner

***Functional Studies of Viral and Host Cell Factors
Involved in Regulation of the Replication and
Pathogenesis of Human and Animal RNA Viruses***

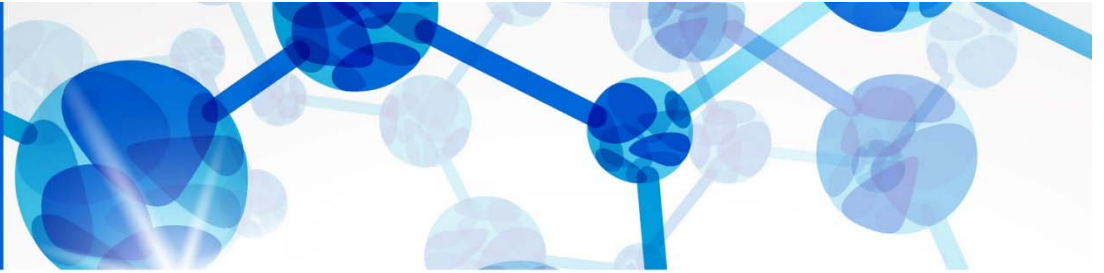
Bravada M. Hill, College of Charleston, Honors, Ng Yan
Ling, Nanyang Technological University, Dr. James
Tam, Nanyang Technological University, & Dr. Liu
Chuan Fa, Nanyang Technological University



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Second Place Winner

***Amending PHB with Algal Biomass to
Enhance Biodegradability***

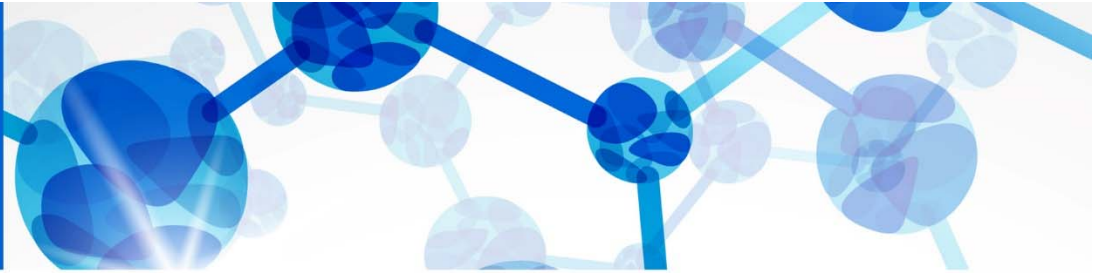
Celeste Hancock, Shawni Bastian, Amanda
Stoudt, Dr. Charles Miller, Andrew Parker, Utah
State University



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



First Place Winner

Microalgae-based Design Alternatives for Petrochemical Waste: Treatment and Value Products

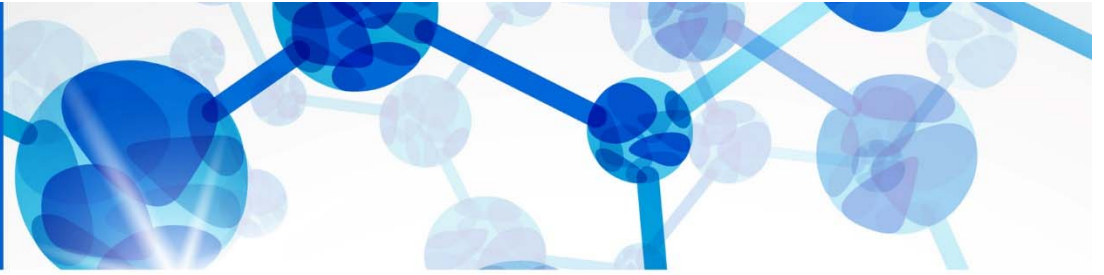
Alan Hodges, Zachary Fica, Jessica VanDarlin,
Jordan Wanlass, Ronald Sims,
Utah State University



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Presidential Citations



Advancing Biology-Inspired Engineering

2017 Annual Conference

March 30 - April 1, 2017 | Salt Lake City, Utah



Presidential Citation



Ben Stuart

Immediate Past President