

Conrad David Gleber

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EDUCATION

Bachelor of Science in Biochemistry

2006-2010

Florida State University
Tallahassee, Florida

Dean's List: Summer 2006 – Spring 2010
Honors in the Major; "New Antibiotics: An
Exploration Into Combination Therapeutics"

EMPLOYMENT

Laboratory Technician

November 2007 – August 2008

Department of Oceanography, Florida State University,
Tallahassee, Florida

Developing protocols for producing stable isotope
labeled biomass and maintaining algal cultures.

Macintosh/Linux/Windows Computer Support

November 2006 – August 2008

Department of Psychology, Florida State University,
Tallahassee, Florida

Maintenance and upkeep of the department's
computer systems. My job consisted from basic
upkeep, such as installing programs and setting up
kiosks, to advanced systems administration, such
as security servers and website maintenance.

RESEARCH INTERESTS

Exploration into Combination Antibiotics:

Due to a drastic increase in resistant bacteria, new,
novel antibiotics must be invented. Using known
pathways to design a choreographed disruption of
cell processes can allow for a multitude of possible
small-molecule combination antibiotics.

Using Flow Systems to Define a Method to Produce Chemical Synergy:

Chemical synergy has been observed in different
drug applications. Most of these observations have
occurred by chance. Our goal is to create a
designed description for synergy and define it using
chemical flow systems.

AWARDS AND HONORS

Charles A. Brautlecht and Louise I. Brautlecht Scholarship in Chemistry

Florida State University Department of Chemistry and
Biochemistry

Fall 2009 – Spring 2010: \$2500

Undergraduate Research and Creative Activity Award

Florida State University Council on Research and
Creativity

Summer 2009: \$4000

Bess Ward Honors Thesis Award

FSU Honors Office

Spring 2009: \$960

FSU Freshman Scholarship for Excellence in Science and Math

Fall 2006 – Spring 2010: \$1200 per semester for 8
semesters: \$9600 total

Florida Bright Futures

Fall 2006 – Spring 2010: 100% of tuition and fees +
\$300 for books and materials

PRESENTATIONS/CONFERENCES

Florida State University Undergraduate Research Symposium.
October 2009

Gleber, Conrad D. and McQuade, D. Tyler.

*Combination Therapeutics: Unexpected Interactions Between
Unrelated Chemical Species.*

Florida State University Undergraduate Research Symposium.
April 2009

Gleber, Conrad D. and McQuade, D. Tyler.

New Antibiotics: An Exploration Into Combination Therapeutics.
(Video of Presentation at: equalsdelicious.com/sci)

American Chemical Society Southeastern Undergraduate
Research Conference. April 2009

Gleber, Conrad D. and McQuade, D. Tyler.

New Antibiotics: An Exploration Into Combination Therapeutics.

NSF CPATH: Revitalizing Computer Science Education Through
the Science of Digital Media: FSU: Drawing Students to
Computing Through Visualization Technologies and Applications.
Florida State University. April 2009
Gleber, Conrad D. (Invited Attendee)