

HISTORICALLY BLACK COLLEGES AND UNIVERSITIES

#### NASA TECHNOLOGY INFUSION

### **ROAD TOUR**

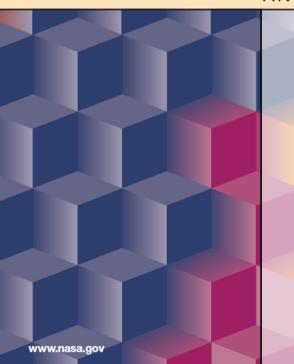


AND MINORITY-SERVING INSTITUTIONS

# Nevada State College

Andy Kuniyuki, Ph.D., Dean, School of Liberal Arts and Sciences





## Technology Infusion Road Tour Presentation Outline

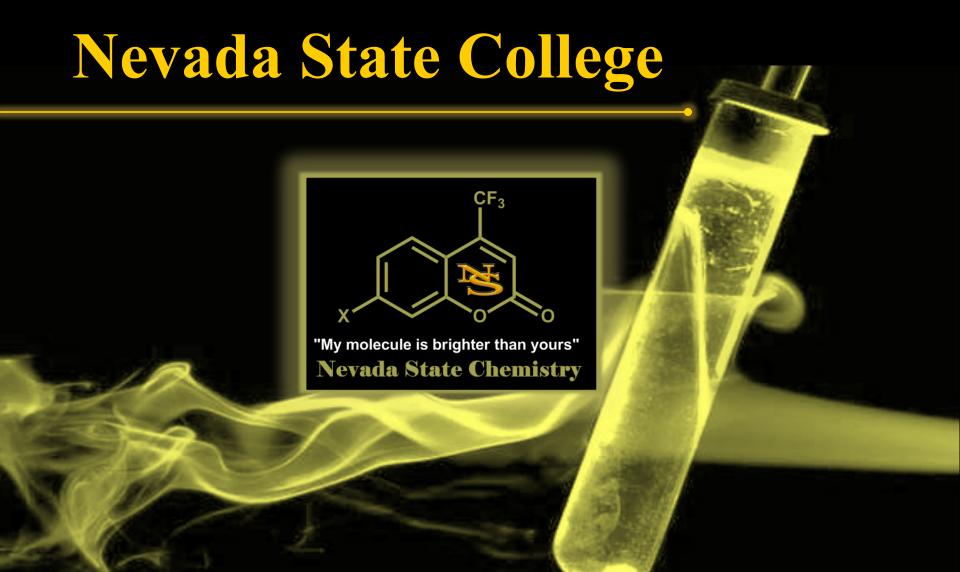
- Bachelor of Science in Biology, Bachelor of Science in Environmental and Resource Science
  - Concentrations: Cell & Molecular, Ecology & Evolution,
     Physiology
  - Biology, Cell Processes, Genetics, Evolution, Molecular Biology, Immunology, Endocrinology, Mammalian Physiology, Ecology, (Inorganic, Organic, and Biochemistry), Physics, Statistics
  - Environmental Science, Geology, Geographic Information System, Hydrology, Soils, Conservation Biology, Pollution, Desert Plants, Environmental Measurements & Analysis, Environmental Regulations, Law & Methods



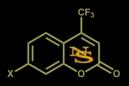
## Technology Infusion Road Tour Presentation Outline

- Accomplishments
  - Created a new tool in Medicinal Chemistry published as Juana Garcia, Jacob Sorrentino, Emily J. Diller, Daniel Chapman & Zachary Woydziak (2016) General method for nucleophilic aromatic substitution of aryl fluorides and chlorides with dimethylamine using hydroxide-assisted decomposition of N,N-Dimethylforamide, Synthetic Communications, 46:5, 475-481
  - Stabilized red fluorophore against photo bleaching





Zachary Woydziak, Ph.D.



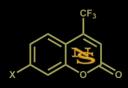
#### Why Nevada State College?

- Supportive and Exciting Collegial Environment
- Teaching Focused
- Work with Diverse Groups
- Research with Undergraduate Students
- Build an Effective Chemistry Degree Program









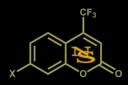
#### Teaching at NSC

#### Going beyond the normal classroom experience:

- Study Group Sessions
- Challenge Problems
- Trophy of Glory
- Firsthand use of "expensive" equipment



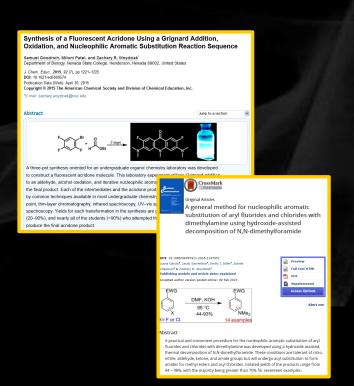




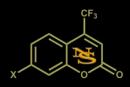
#### Research at NSC

- Strong Undergraduate Research Program
- → Primary Goal To prepare students for professional programs and careers.









#### Student Successes

<u>Position</u>	Former Student(s)
Medical School	Emily Diller (M.D. program), Crystal Lake (M.D. program), Jenny Reategui (D.O. Program)
Graduate School	Lynda Burns (Ph.D. program), Samuel Bassong (Ph.D. program), Maya Zawlodzki (Ph.D. program), Jacob Sorrentino (Ph.D. program), Juana Garcia (Ph.D. program)
Pharmacy School	Noce Nayigihugu, Cheyenne Santee, Heungil Lee, Katrina Peninoy, Sampson Biru, Jed Anisco, Christian Heilman, Najma Ali, Waraluck Ogawa
Veterinarian School	Danielle Thomas
Dental School	Alex Audrus, Jihoon Kim
Other Positions	Nicole Vita (Research tech - St. Jude), Samuel Goodrich (Acting Director of the Student Academic Center at NSC)



