

David A. GALAMBOS

PERSONAL DATA

CURRENT ADDRESS: 300 N College St, Northfield, MN
PERMANENT ADDRESS: 418 E Brewster St, Appleton, WI
PHONE: (608) 556-3943
EMAIL: galambosd@carleton.edu

EDUCATION

Expected JUNE 2020 Bachelor of Arts in BIOLOGY, **Carleton College**, Northfield, MN
GPA: 3.89/4.0

RESEARCH EXPERIENCE

<i>Current</i> MAR. 2017	ANDERSON LAB, Carleton College, Northfield, MN <i>Research Assistant</i> Designed a metagenomic study to infer syntrophic nutrient cycling relationships at deep-sea vents. Improved quality of existing metagenomic data. Presented research progress at bi-weekly lab meetings.
NOV. 2016- MAR. 2017	IMPACT at MAYO CLINIC, Rochester, MN <i>Student Researcher</i> Conducted research of primary literature to elucidate novel hypothesis about impact of obesity and Type 2 diabetes on pancreatic cancer. Presented proposal at IMPACT Symposium at Mayo Clinic in Rochester, MN.

WORK EXPERIENCE

<i>Current</i> JAN. 2018	BIO125 LAB, Carleton College <i>Lab Teaching Assistant</i> Assist with setup and maintenance of lab materials and equipment. Answer student questions about lab procedures and associated biological concepts. Grade and provide feedback for notebooks, quizzes and post-laboratory assignments.
<i>Current</i> SEPT. 2017	WRITING CENTER, Carleton College <i>Writing Assistant</i> Provide individualized one-on-one writing consultations for a first-year seminar of 14 students. Prepare consultation material and advice consistent with professor's expectations and teaching style. Offer weekly appointments to general student population.

LAB TECHNIQUES

WET LAB: DNA extraction; gel electrophoresis; PCR; optical microscopy; H-NMR, UV-visible, IR spectroscopy; mass spectrometry
COMPUTATIONAL: Comprehensive metagenomic pipeline (genome assembly, mapping, coverage analysis, annotation, binning), RNA-SEQ analysis, sequence alignment, phylogenetic trees

COMPUTER SKILLS

SOFTWARE: [anvi'o](#); Word, Excel, PowerPoint; Prezi; Adobe Illustrator; MNOVA; Endnote

TOOLS: Git, BLAST, MUSCLE, KEGG, Pfam, RAxML

LANGUAGES/PACKAGES: Python (incl. matplotlib, [seaborn](#)), C, Java, \LaTeX

PRESENTATIONS

Galambos, D. A.; Reveillaud, J.; Anderson, R.E.; Huber, J. A. "Archaeal Metabolic Profiles at Deep-sea Hydrothermal Vents in the Mid-Cayman Rise." 2017 AMERICAN GEOPHYSICAL UNION (AGU) FALL MEETING, December 11-15, 2017; New Orleans, LA.

Galambos, D. A.; Reveillaud, J.; Anderson, R.E.; Huber, J. A. "Archaeal Metabolic Profiles at Deep-sea Hydrothermal Vents in the Mid-Cayman Rise." 2017 CARLETON COLLEGE SUMMER RESEARCH SYMPOSIUM, October 20, 2017; Northfield, MN.

Lauriello, A. F.; **Galambos, D. A.**; Greengo, S. D.; Kennicott, H. R. "Obesity-Induced T-cell Polarization in Pancreatic Cancer Leads to Immunosuppression and Reduces the Efficacy of Immunotherapy." 2017 MAYO CLINIC IMPACT SYMPOSIUM, March 18, 2017; Rochester, MN.

ACTIVITIES

<i>Current</i> OCT. 2017	EMERGENCY DEPARTMENT, Northfield Hospital & Clinics <i>Volunteer</i> Clean rooms, restock supplies, and courier lab specimens. Serve food and drink to patients. Shadow physicians and nurses.
<i>Current</i> OCT. 2016	NORTHFIELD INITIATIVE, Carleton College <i>Team Member</i> Lead civic education sessions for voters about structure and function of local government. Organize mayoral candidate debates. Maintain non-partisan website with candidate platforms and voter information.

AWARDS

Carleton College DEAN'S LIST (2017)

NATIONAL MERIT SCHOLAR (2016)

NATIONAL AP SCHOLAR (2016)

CRAFTSMAN SHIELD AWARD for Outstanding Senior (Appleton West High School, 2016)

LANGUAGES

FRENCH (proficient), RUSSIAN (fluent), HUNGARIAN (fluent)