

Recent examples of BBMB Sr. Research Projects *(Note the variety of topics and locations)*

2017-18

K. Chang	Mechanism of tissue regeneration in <i>Acomys</i>	Majesky Lab, Seattle Children's Res. Inst.
K. Daly-Jensen	Auxin hormone signaling pathway in <i>Zea maize</i>	BBMB, Whitman (Moss lab)
E. Gladhill	Modelling of carbon monoxide dehydrogenase active site	Chemistry Dept., Whitman (Rokhsana lab)
K. Harrison	Warming and cooling curves of protein crystals	Physics Dept., Whitman (Juers lab)
N Horst	Mouse mitochondrial physiology	Biology Dept, Whitman (Coronado lab)
A. Mercer	Antibiotic resistance in pathogenic bacteria	Los Alamos National Lab
E. Minus	Hybridization and evolutionary diversity in monkeyflower	Biology Dept, Whitman (Cooley lab)
T. Salaguinto	Bee foraging behavior in Greece	NSF REU, U. Central Oklahoma
S. Zewdie	HIV infection/vaccine research	Fred Hutchinson Cancer Res. Center, Seattle

2016-17

R. Eguia	Evolution of Monkeyflower anthocyanin pigmentation	Whitman (Advisor: A. Cooley, Biology)
C. Amundson	Stem cell/immunology research	Fred Hutchinson Cancer Center, Seattle
M Palmer	Organic synthesis for proteasome inhibitor drug design	Whitman (Advisor: M. Gotz, Chemistry)
A Oken	X-ray crystallography of enzyme structure	REU, U. of Oklahoma (Advisor, D. Juers)
Q Wang	Studies on protein crystallization	Whitman (Advisor: D. Juers, Physics)
M Hirano	B-catenin phosphorylation: effects on zebrafish embryos	Univ. of Washington (D. Vernon)
N Lifshaz	Removing bioactive organic pollutants from water	REU, Samford Univ., Alabama
B Henried	Engineering a plant hormone response pathway in yeast	Whitman (Advisor: B. Moss)

2015-16

B Walund	Virus evolution: Sequencing and comparing HIV variants	Center for Infectious Disease Research, Seattle
C Phalen	High-throughput enzyme inhibition screening	Infec. Disease Research Inst., Seattle
S Curtis	Testing antibody-drug conjugates for AML therapy	Seattle Genetics (company)
S Anderson	DNA replication protein FNACD2 interactions w/ CtIP.	University of Minnesota
J Jurich	Thermal expansion in solutions of cryoprotective agents	Whitman (Advisor: Juers)
R Fenoli	PRMT-1 protein and how it's affected by dimerization	Utah State University
A Hulse	Disease resistance to stem rust fungus, in wild barley	U. Minnesota (Advisor: Cooley)
J O'Connor	Computational modeling of the CODH enzyme active site	Whitman (Advisor: D. Rokhsana)
K Beebe	Sex differences in mice-circuit mapping in mouse brain	UW Dept. Pharmacology (T. Knight)
B Sheppard	Effects of PIRL9 overexpression on plant development	Whitman (Advisor: Vernon)
W Wood	PIRL6-GFP fusion constructs for protein localization	Whitman (Advisor: Vernon)
J Hart	Lifetime and turnover time of taste buds	U. Colorado-Denver
R Waraich	Synapse formation in rat brains during development	Whitman (Advisor: Withers)