

# Thesis Titles from 1898 to the Present

Theses with Biology advisors, including Biology (BIOL), ES-Conservation Biology (ESBI), Molecular Biology and Biochemistry (MBBC), and Neuroscience (NSCI)

Please see the end of this page for full names of faculty if not given.

Year	Student	Major	Thesis Title	Thesis Advisor
2017	Bashor, Laura	BIOL	The effect of elevation on the primary vector of Lyme disease, <i>Ixodes scapularis</i> , and two <i>Peromyscus</i> hosts in Addison County, Vermont	Allen, David
2017	Brach, Richard	MBBC	Good Things Come in Small Packages: Revealing Small Regulatory RNAs in <i>Streptococcus mutans</i>	Spatafora
2017	Campell Mueller, Cassidy R.	MBBC	Characterizing the SloR:SRE interaction in <i>Streptococcus mutans</i> through in vitro DNA binding studies	Spatafora
2017	Goins, Emily C.	NSCI	Dose-dependent effects of testosterone replacement on spatial memory and BDNF levels in aged male rats	Spritzer
2017	Hale, Mack	MBBC	Investigating Thermal, Mechanical, and Electric Shock Nociception in <i>Drosophila melanogaster</i> : Preliminary Electric Shock RNAseq Analysis in <i>Mus musculus</i>	Crocker
2017	Hardy, Spencer P.	BIOL	A High Resolution Assessment of the Ichthyofauna of the Lewis Creek, Addison and Chittenden Counties, Vermont	Trombulak
2017	Henriques, Will	INDE	RNA-seq analysis of hippocampi in <i>mei2.5</i> mice reveals two unannotated splice isoforms of <i>Akap9</i> in the mm10 build of the Ensembl database	Ward
2017	Holtz, Andrew	MBBC	Tracking SloR at a fast Clp: <i>Streptococcus mutans</i> SloR is regulated by a Clp protease during oxidative stress	Spatafora
2017	Jaeger, Eliza C.	NSCI	Effects of Testosterone Dose on Spatial Memory and Brain Protein Expression in Aged Male Rats	Spritzer
2017	Merchant, Julie	BIOL	Optogenetic acidification of synaptic vesicles in <i>C. elegans</i>	Ernstrom
2017	Monette, Patrick	MBBC	Investigating a <i>sloR</i> independent promoter in <i>Streptococcus mutans</i>	Spatafora
2017	Nahi, Skylar	MBBC	Protein Binding in an <i>in vivo</i> Model: Identifying <i>Streptococcus mutans</i> SloR binding partners in a Bacterial Adenylate Cyclase Two Hybrid System	Spatafora
2017	Pil, Bu-Guk G.	NSCI	Characterization of a novel mediator of nociception in adult <i>Drosophila melanogaster</i>	Crocker
2016	Chan, Vera	BIOL	The effectiveness of buckwheat as a cover crop: effects on soil nutrients, mycorrhizal spore populations, and subsequent crop yields	Young

2016	Cook, Alison	MBBC	Using next-generation sequencing to profile chromatin heterogeneity in virulent yeast	Ward
2016	Desmarais, John	MBBC	Towards a Biosensor for Lyme Borreliosis Using Toehold Riboswitches	Ward
2016	Horn, Samantha	MBBC	Characterizing Protein-Protein Interactions of Ring Finger Protein 212 during DNA Recombination	Ward
2016	Merenstein, Carter	MBBC	The microbiome of the deer-tick, <i>Ixodes scapularis</i> , in Western Vermont	Ward
2016	Miller, Erin	NSCI	Effect of Testosterone and Age on Spatial Memory and BDNF Levels in Male Rats	Spritzer
2016	Pomerance, Lucas	MBBC	In Vitro Analysis of Optogenetic Synaptic Vesicle Acidification	Ernstrom
2016	Strayer, Ethan	BIOL	The Expression and Characterization of FN3KRP: a deglycating enzyme	Sandwick
2016	Taylor, Annalise	BIOL	Evaluating spatial and temporal patterns of Bishop pine ( <i>Pinus muricata</i> ) mortality on Santa Cruz Island, California	Allen
2015	Carpenter, Ann	BIOL	Factors Affecting Internal Parasite Abundance in Morgan Horses	Root
2015	Carpenter, Lydia	BIOL	The Effects of Breed and Age on Internal Parasite Prevalence and Abundance in Dairy Cattle	Root
2015	Corbett, John	MBBC	Elucidating the SloR:SRE interaction in <i>Streptococcus mutans</i> through <i>in vitro</i> DNA binding studies	Spatafora
2015	Crepps, Sarah	MBBC	The SloR Metalloregulatory Protein is Involved in the <i>Streptococcus mutans</i> Oxidative Stress Response	Spatafora
2015	Daly, Will	MBBC	Developing a SloR:SRE Binding Model in <i>S. mutans</i> : A DNA Footprinting Approach	Spatafora
2015	DiMarco, Marina Rose	MBBC	ChIPping Away at the SloR Regulon: Optimizing Chromatin Immunoprecipitation for <i>Streptococcus mutans</i>	Spatafora
2015	Guth, Sarah Elizabeth	ESBI	Sub-lethal effects of imidacloprid (IMI) associative and reverse learning in foraging bumblebees ( <i>Bombus impatiens</i> )	Young
2015	Honican, Lauren	NSCI	Potential memory restorative effects of an ependymin mimetic in an aged, transgenic mouse model of Alzheimer's disease	Spritzer
2015	Jenkins, Andrew	MBBC	Novel Interactions Between Neurotransmitter Transporters and Proton Pumps	Ernstrom
2015	Larkin, Sydney	NSCI	Polarization Contrast Vision and Predatory Behavior in <i>Octopus bimaculoides</i>	Root
2015	Novak, Jesse	MBBC	Optogenetic Control of Synaptic Vesicle Acidification and Neurotransmitter Release	Ernstrom

2015	Roy, Ethan	NSCI	The effects of dihydrotestosterone on stages of adult neurogenesis in male rats	Spritzer
2014.5	Sneeringer, Tess	BIOL	Does preexisting vegetation affect the trajectory of succession in gaps following a disturbance?	Lloyd
2015	Super, Chloe	NSCI	Effect of Testosterone and Age on Spatial Memory and BDNF in Male Rats	Spritzer
2015	Tan, Mika	BIOL/ESBI	Trash In Lakes: Biofilm Communities on Different Substrate Materials and Textures	Sheldon, Spatafora
2015	Werrell, Amanda	BIOL/ESBI	Does the Use of Bird Feeders Bias our Understanding of Population Trends in Winter Birds?	Trombulak
2014	Brewster, Ryan	MBBC	Hormonal modulation of the <i>in vitro</i> glutathione profile in bovine granulosa cells	Combelles
2014	Collins, Samantha	MBBC	An amino acid triad in the <i>Streptococcus mutans</i> SloR protein and its role in SloR-mediated repression of <i>sloABC</i> transcription	Spatafora
2014	Dragone, Nicholas	BIOL	Effect of glyphosate on furanocoumarin production in wild parsnip ( <i>Pastinaca sativa</i> ): interplant rhizosphere translocation in ecological and agricultural contexts	Sheldon
2014	Galan Donlo, Diego	MBBC	A new model for SloR:SRE binding: Mutational analysis of the SloR recognition element	Spatafora
2014	Lessing, Jeremy	BIOL/ESBI	The effect of aquatic macrophyte structure on visitations of vermont temperate lake fish.	Young
2014	Nonweiler, Jake E.	BIOL/ESBI	Influences of feather structure and carotenoid pigmentation on sexual dichromatism in the ultraviolet spectrum among passerines	Trombulak
2014	Sanford-Long, Shona	BIOL	Can endophytes in apple trees decrease scab damage by a fungal disease ( <i>Venturia inaequalis</i> )?	Young
2014	Wysota, Michael	MBBC	Characterizing SloR-SRE binding in <i>S. mutans</i> : A minimalist approach	Spatafora
2013	Batson, Christopher	MBBC	Potential Roles of Testosterone and Luteinizing Hormone in Spatial Memory in Male Rats	Spritzer
2013	Beguin, Samouel John	BIOL/ESBI	Evidence for stream insect community resilience following tropical storm Irene.	Sheldon
2013	Cornacchione, Louis	MBBC	Identifying Critical Nucleotides for the SloR:SRE Interaction in <i>Streptococcus mutans</i>	Spatafora
2013	Hatheway, Clark	MBBC	Mutational analysis of SloR metal ion-binding sites 1 and 2 in <i>Streptococcus mutans</i> : deciphering the respective impacts of conservative and double non-conservative amino acid substitutions on the SloR-SRE interaction	Spatafora

2013	Lui, Gillian	BIOL/ESBI	Carbon storage dynamics in a Middlebury, VT willow bioenergy plantation and associated lands	Allen
2013	Pepin, Tyler Michael	BIOL	Mesoderm and PGC specification in the axolotl embryo: The role of FGF in an alternate pathway.	Combelles
2013	Reis, Amanda	NSCI	Effects of interactions with familiar v. unfamiliar juvenile cage mates on hippocampal neurogenesis in adult male rats.	Spritzer
2013	Ritter, Austin	BIOL	Effect of eutrophication on benthic microalgae production	Sheldon
2013	Wagner, Benjamin A.	NSCI	Effects of Testosterone Dose on Spatial Memory in Adult Male Rats	Spritzer
2013	Williamson, Jesse	BIOL	Influence of gap width and perceived risk of predation on passerine behavior in a Northern hardwood forest	Trombulak
2012	Blair, Emily	BIOL	Pollination of highbush blueberries ( <i>Vaccinium corymbosum</i> ) by <i>Bombus</i> spp. And the effects of landscape on pollination	Young
2012	Bovet, Claire	MBBC	Alternative Splicing Determines AKAP9 Expression in Somatic Cells	Ward
2012	Chirunomula, Samantha	MBBC	Antioxidant Activities in Granulosa Cells of Developing Bovine Antral Follicles	Combelles
2012	Grafmiller, Kevin	NSCI	Effects of sexual interactions on neurogenesis in adult male rats: proliferation and survival	Spritzer
2012	Haswell, Jeff	MBBC	Characterizing functional domains of the SloR metalloregulatory protein in <i>Streptococcus mutans</i>	Spatafora
2012	Nagel, Kathryn	NSCI	An Immunocytochemical Analysis of Ccnb1IP1 and Its Role in DNA Repair	Ward
2012	Nuttall, Elizabeth	MBBC	SloR: Single component regulation of manganese sensing in <i>Streptococcus mutans</i>	Spatafora
2012	Robinson, Moria	BIOL	Species as mosaic: patterns of host plant use in two gossamer-winged butterflies	Young
2012	Stewart, Martine	MBBC	Protein expression and post-translational modification in <i>mei4</i> spermatocytes	Ward
2012	Warren, Amanda	BIOL	Watching Trees Walk Up Mountains: Is climate change affecting the range of red spruce in the Green Mountains?	Lloyd
2012	Weisser, Oliver	BIOL/ESBI	Quantifying carbon sequestration in a secondary Vermont lowland forest	Lloyd
2012	Wilkinson, Barbara	MBBC	Hormonal modulation of antioxidants in bovine granulosa cell cultures	Combelles

2011	Blumstein, Meghan Jane	BIOL/ESBI	Modeling Forest Regeneration in Valley Forge National Park	Lloyd
2011	Budd, Laura Helen	BIOL	Does Scale Matter for the Characterization and Management of a South African Riparian Ecosystem	Trombulak,
2011	Dzimitrowicz, Hannah	MBBC	Effects of mei4, a mutation in the mouse ortholog of CCNB1IP1, on chromatin organization and maturation of oocytes	Ward
2011	Fry, Charles	BIOL	Positive Chemotaxis in <i>O. bimaculoides</i>	Root
2011	Hennet, Margo Louise	BIOL	Lipid hydroperoxide levels in follicular fluid and oocytes of developing bovine antral follicles	Combelles
2011	Lane, Gabriel W. M.	BIOL	The basis of differential herbivory tolerance in a forest-edge herb	Lloyd
2011	Lindsey, Jennifer Sarah	BIOL/GRMN	Effect of meiotic arrest on vitrified immature oocyte quality	Combelles
2011	McConaughy, Will	MBBC	Finding a Protein's Shoe Size: Using DNA Footprinting to Decipher SloR's Binding Sites in <i>Streptococcus mutans</i>	Spatafora
2011	Prince, William Tyler	NSCI	Effects of prolactin on neurogenesis in the dentate gyrus of adult male rats	Spritzer
2011	Rubin, Ben	MBBC	"Relating Genotype to Phenotype in Promising Biofuel Crop Miscanthus"	Spatafora
2011	Runkel, Anne Mary	BIOL	Transcriptional Analysis of A-Kinase Anchoring Protein 9: the genetics of infertility	Ward
2011	Sanchez, Lauren Kathleen	BIOL/ESBI	Carbon Dynamics at Harvard Forest: Ecological Responses to Changes in the Growing Season	Trombulak
2011	Shannon, Virginia Salem	BIOL/ESBI	Restoring Atlantic salmon to Lake Champlain	Trombulak
2011	Shulman, Leanne Morin	NSCI	Effects of Sexual Experience on Spatial Memory and Behavioral Flexibility in Male Rats	Spritzer
2011	Sorrentino, Mark	MBBC	Characterizing IGR174 as a putative small regulatory RNA and mediator of <i>Streptococcus mutans</i> virulence gene expression	Spatafora
2011	Stern, Julia Paige	BIOL	Effects of social interactions with familiar or unfamiliar females on the survival of newly proliferated cells in the dentate gyrus of adult male rats	Spritzer
2011	Tivnan, Patrick	MBBC	The role of SRE: promoter positioning in SloR class I and class II gene regulation in <i>Streptococcus mutans</i>	Spatafora
2011	Wood, Connor McNellis	BIOL/ESBI	Assessing landscape connectivity: A sensitivity analysis of Circuitscape applied to the northern Green Mountains	Trombulak
2011	Yu, Hope	MBBC	Hydrogen peroxide in follicular fluid of developing bovine antral follicles	Combelles
2010	Burns, Margot ('09.5) (presented Jan '10)	NSCI	Relationships between Markers of Atresia and Antioxidants in Follicular Fluid from Individual Bovine Follicles	Combelles
2010	Crosby, Clare	ESBI	Assessing the relationship between avian population dynamics and the Human	Trombulak

			Footprint of the United States	
2010	Curtis, Molly	NSCI	Effect of sexual interactions with novel or repeated partners on the survival of newly proliferated cells in the dentate gyrus of adult male rats.	Spritzer
2010	D'Aloia, Cassidy ('10) (presented Fall '09)	BIOL	Estimating demographic changes in sea lamprey ( <i>Petromyzon marinus</i> ) of Lake Champlain	Trombulak
2010	Evans, Ian	BIOL/ESBI	Assessing ecosystem threat in the United States using the Human Footprint	Trombulak
2010	Feuer, Sky ('09.5). (presented Fall '09)	MBBC	Akap9 is required for Sertoli cell maturation and Cx43-based gap junction activity in the seminiferous epithelium of the testis	Ward
2010	Fox, Elliott	BIOL	Effects of testosterone on place vs. response learning strategies in adult male rats	Spritzer
2010	Free, Chris	ESBI/BIOL	Population-level consequences of density-dependence in big-leaf mahogany ( <i>Swietenia macrophylla</i> ): a spatially explicit simulation	Landis
2010	Grubaugh, Catharina	BIOL	Top-down and bottom-up control of benthic macroinvertebrate communities in salt marsh ditches	Sheldon
2010	Haram, Linsey (presented Jan '10)	BIOL	Trophic Interactions within Subtidal Communities of the Mystic River Estuary	Trombulak
2010	Hastings, Stephanie ( '09.5) (presented Jan '10)	NSCI	Granulosa cell expression of the superoxide dismutase antioxidant enzymes in relation to caspase activity and steroid concentration in the bovine antral follicle	Combelles
2010	Johnston, Miriam	BIOL/ESBI	Changes in ectomycorrhizal colonization of <i>Quercus rubra</i> across an experimental nutrient gradient	Young
2010	Katsura, Kai	BIOL	Architectural design of mono- and polymicrobial streptococci as plaque biofilms	Spatafora
2010	Larsen, Greg	BIOL	Effects of testosterone on strategy selection in a spatial learning task among adult male rats	Spritzer
2010	Lowe, Hannah	BIOL	Positive Phototaxis and Visuo-motor Response in the California Two-Spot Octopus, <i>Octopus bimaculoides</i>	Root
2010	Luby, Claire	BIOL	The effect of training system and yield on fruit quality in la crescent and marquette wine grapes	Lloyd
2010	Peseky, Mitch	MBBC	Characterizing the SloR Response Element <i>in Vitro</i>	Spatafora
2010	Poljak, Dijana	MBBC	The Expression of the Antioxidant Enzyme Catalase in the Follicular Fluid and Cumulus-Oocyte Complex During Bovine Antral Folliculogenesis	Combelles
2010	Putnam, Emily	BIOL	Investigating the effects of the <i>gcrR</i> gene product on <i>Streptococcus mutans</i> biofilm architecture	Spatafora
2010	Smith, Evan	MBBC	Characterizing SloR binding to palindromic SRE sequences on the S. mutans chromosome: A protein perspective.	Spatafora
2010	Valen, Jordan	BIOL/ESBI	Microsatellite analysis of chloroplast DNA to quantify gene flow among local populations of balsam fir ( <i>Abies balsamea</i> )	Landis
2010	VanDeventer, Gretchen	MBBC	The Expression of Glutathione Peroxidase Isoforms in the Follicular Fluid and Cumulus-Oocyte Complex of Bovine Antral Follicles	Combelels

2010	Warburton, Frances (Alexa) ( '09.5) ( presented Jan '10)	BIOL	Multiple Spatial Strategies in a T-maze Cognition Task in <i>Octopus bimaculoides</i>	Root
2009	Burwell, Tripp	ESBI	Modeling Mammal Movement in the Champlain Valley	Trombulak
2009	Cloutier, Jeff	MBBC	Toward understanding the behavior of essential meiotic proteins: expression studies of CCNB1IP1 and CDK2	Ward
2009	Hendrickson, Whitney	MBBC	Who's talking to whom? Investigating the modulation of gcrR in <i>Streptococcus mutans</i>	Spatafora
2009	Ozimeck,Dave	MBBC	Antioxidant enzyme activities and steroid hormone concentrations within the follicular fluid of individual developing antral follicles	Combelles
2009	O'Rourke, Kevin	MBBC	Genome-wide characterization of SloR, a bifunctional metalloregulator of <i>Streptococcus mutans</i> cariogenesis	Spatafora
2009	Palmeri, Nick	BIOL	A Visual Discrimination Task Using Avoidance Learning in Octopus joubini	Root
2009	Pinnell, Nancy	BIOL	Characterization of novel developmentally linked expression of testes specific AKAP9 splice product	Ward
2009	Schwartz, Rebecca	MBBC	Effects of the mCCNB1IP1mei4 Mutation on Meiotic Recombinatorial Proteins in Male Mice	Ward
2009	Taren,Adrienne	NSCI	The Neural Correlates of Strategic Choice in Economic Decision Making	Root
2009	Tuttle, Emerson	BIOL	Roost tree usage by southern flying squirrels ( <i>Glaucomys volans</i> ) in an old-growth forest	Trombulak
2009	Weverka,Aiko	ESBI	Two roads diverge: how shifting disturbance regimes change forest composition	Trombulak
2008	Goodwin, Gus	ESBI	The Impact of Environmental Change in the Adirondack Lowland Boreal: Creating a Monitoring Plan	Landis
2008	Hawkins, Robert Bruce	NSCI	Effects of Luteinizing Hormone and Testosterone on Adult Hippocampal Neurogenesis	Spritzer
2008	Ibler, Erin	NSCI	The Effects of Testosterone and Social Isolation on Hippocampal Neurogenesis in Adult Male Rats	Spritzer
2008	Kaloo, Geetika	BIOL	Protecting DNA: Characterizing the Competency of DNA Repair Proteins in Male and Female Hei10 Mutant	Ward
2008	Levine, Robert	MBBC	The Future of Biofuels: Using Microalgae to Produce Biodiesel and Treat Wastewater	Spatafora
2008	McCall, Lathan	MBBC	How Bacteria Survive in the Oral Cavity: Regulation of the Acid Tolerance Response in <i>S. mutans</i>	Spatafora
2008	McClurg, Cheryl	MBBC	Monitoring the Kinetics of the GcrR-Mediated Acid Tolerance Response in	Spatafora

*Streptococcus mutans*

2008	Paoella, Louis John	MBBC	Characterization of Superoxide Dismutase Antioxidants in Developing Bovine Antral Follicles	Combelles
2008	Schwartzman, Julia Ashley ('09)	MBBC	Eat Your Spinach: A Ferric Uptake Regulator Homolog Represses the Oxidative Stress Response and Contributes to Maintenance of Metal Ion Homeostasis in Cariogen <i>Streptococcus mutans</i>	Spatafora
2008	Sedney, Patrick	BIOL	Bumble Bee Foraging Behavior and Flower Choice	Young
2008	Wu, Qiaqia	MBBC	Expression of the Antioxidant Enzymes Catalase and Glutathione Peroxidase in Ovarian Granulosa Cells	Combelles
2008	Yoquinto, Lucas	BIOL	Why Bumblebees Forage in an Upwards Direction: A Look at the Details	Young
2007	Coe, Kieran	BIOL	Isolation, Identification, and Characterization of Surfactant-Resistant and Biosurfactant-Producing Marine Bacteria from the Guts of Deposit-Feeding, Benthic Macroinvertebrates	Root
2007	Czerniak, Suzanne	BIOC	Caffeinated Kittens: The Effects of Caffeine on Pre-Implantation Development	Combelles
2007	Daviau, Emily	NSCI	The Effects of Testosterone on Hippocampal Neurogenesis and Spatial Memory in Adult Male Rats	Spritzer
2007	Deacon, Dekker	MBBC	Characterization of the Role of Apoptosis and Cyclin B3, a Putative Binding Partner of HE110, in the Male Mei4 Arrest Phenotype	Ward
2007	Dinh, Thuy	MBBC	Characterization of a Putative Multi-Drug Resistance Locus That Is Subject to Metalloregulation in <i>Streptococcus mutans</i>	Spatafora
2007	Griffin, Laurie	MBBC	The Positional Cloning and Characterization of mei 2.5, an Ethyl Methane Sulfonate (EMS) Induced Mutation of Akap9 Causing Defective Spermatogenesis in Mice	Ward
2007	Losambe, Pascal	MBBC	<i>Streptococcus mutans</i> Bacteriocin Expression Is Modulated by the SloR Metalloregulator	Spatafora
2007	McConocha, Erin	MBBC	Exploring a Putative Role for radA in the <i>Streptococcus mutans</i> Acid Tolerance Response	Spatafora
2007	Nagi, Suzanne	BIOL/ ESBI	The Ice Age history of Alaskan Black Spruce: a Molecular Genetics Perspective	Sheldon
2007	Niswander, Lisa	MBBC	Cell Cycle Regulation of the Meiotic DNA Repair System: The Role of Hei10 in the Proper Progression of Prophase I	Ward
2007	O'Neill, Conor	MBBC	Identification of SloR Binding Sequences in the Genes Expressed by SloR Modulation Using DNA Footprint Analysis	Spatafora
2007	Seldin, Lindsey	BIOL/ SPAN	Characterizing Putative Intermediary Regulators of the <i>Streptococcus mutans</i>	Spatafora

2007	Stahlheber, Karen	ESBI/ BIOL	Sheep Grazing and Scrub Oak Management on Nantucket, MA: Using Photomonitoring to Assess Impacts	Trombulak
2007	Strimaitis, Anna	BIOL	Differential Colonization of Macrophytes with Similar Architecture by Littoral Invertebrates and Epiphytic Algae in Vermont Lakes	Sheldon
2006	Eisen, Hilary	BIOL/ ESBI	Effects of Substrate Variability on <i>Picea mariana</i> Germination and Survival at Its Northernmost Range Limit in the Brooks Range, Alaska	Lloyd
2006	Forrest, Alyse	BIOL	Long-Term Shifts in the Deciduous-Coniferous Ecotone in Vermont: Evidence from Pre-settlement Land Survey Records	Landis
2006	Godfrey, Julie	MBBC	Characterization of the <i>Streptococcus mutans</i> vicRKX Signal Transduction System and Its Novel vicX Gene	Spatafora
2006	Helft, Laura	MBBC	Establishment of Two Cell Culture Systems to Study the Function of a Putative Ubiquitin Ligase	Ward
2006	Kaufman, Rebecca	NSCI	The Role of Anxiety and Physiological Arousal in Advantageous Decision-Making	Root
2006	Kraut, Aaron	BIOL	The Effect of Oxidative Stress on the Activity Levels of Two Cell Cycle Kinases, MPF and MAPK, During In-Vitro Bovine Oocyte Maturation	Combelles
2006	Leach, Taylor	BIOL	The Effects of Rainbow Trout ( <i>Oncorhynchus mykiss</i> ) Stocking on the Size-Class Structure of Zooplankton Communities	Sheldon
2006	Lipsey, Marisa	ESBI	Does Subdivision of Captive-Bred Wildlife Populations Improve Reintroduction Success?: A Simulation Using <i>Drosophila melanogaster</i>	Young
2006	Newlon, Lindsay	MBBC	The <i>Streptococcus mutans</i> SloR Metalloregulator Modulates Sucrose-Independent and -Dependent Adherence	Spatafora
2006	Pelz, Kristen	ESBI	Bumblebees in Addison County, Vermont: The Effects of Landscape Context and Floral Resources on Their Relative Abundance and Diversity	Young
2006	Powell, Frankie	MBBC	Exploring a Putative Role for the tarC Gene Product in the Acid Tolerance Response of <i>Streptococcus mutans</i>	Spatafora
2006	Pritchard, Stephanie	MBBC	Excessive Use of the Letter P: Studying uppP and pap2 in <i>Streptococcus mutans</i> Bacitracin Resistance	Spatafora
2006	Roberts, Suzanne	MBBC	Now I Know My BZCs: The Effect of Manganese Ion Availability on the Expression of citBZC and Virulence in <i>Streptococcus mutans</i>	Spatafora
2006	Shaw, Jeremy	MBBC	Global Genomic Profiling: Identification of <i>Streptococcus mutans</i> Mn-responsive Virulence Genes by Microarray	Spatafora
2006	Swank, Stephen	MBBC	DNA repair gene radA is involved in the Acid Tolerance Response of <i>Streptococcus mutans</i>	Spatafora
2006	Swick, Adam	MBBC	Characterization of a Novel Quinone Oxidoreductase (qor) in <i>Streptococcus mutans</i>	Spatafora
2006	Von Hasseln, Kyle	BIOL	The Phylogeography of <i>Elaphe spp.</i> (North American Ratsnake) in the	Trombulak

## Champlain Valley of New York and Vermont.

2005	Dines, Andrew	BIOL	Effects of Road Crossings on Stream-Dwelling Macroinvertebrates in the Green Mountains	Trombulak
2005	Doherty, Erin	BIOL	The Effects of Sunlight and Soil on the Germination and Early Growth of the European Buckthorn, <i>Rhamnus cathartica</i>	Young
2005	Hewitt, Rebecca	BIOL	Spatial Regeneration Patterns of Old-Growth Hemlock Forest Gaps in the Battell Research Forest, VT	Lloyd
2005	Kling, Matt	ESBI	Alpine Treeline Physiology: Winter Climate Stresses on Balsam Fir ( <i>Abies balsamea</i> ) on Mt. Abe	Lloyd
2005	Munson, Alicia	MBBC	Characterizing a Role for Fimbrial Surface Protein Fap1 in the <i>Streptococcus parasanguis</i> : Endothelial Cell Interaction	Spatafora
2005	Pan, Yong	MBBC	Investigating Dlg Controlled Expressions of <i>S. mutans</i> Iron-Regulated Genes	Spatafora
2005	Randall, Julia	BIOL	The Effects of Nutrient Enrichment and Predator Removal on Algal Communities in a New England Salt Marsh	Sheldon
2005	Stamper, Kate	NSCI	What Time Is it and Where is My Mother: Effects of Maternal Separation and Corticosterone Circadian Rhythm on Corticotropin-Releasing Hormone (CRH) mRNA Expression in C57BL/6 Mice	Parfitt
2004	Acher, Charles ('05)	MBBC	TarC Control of Sucrose-Dependent Adherence in <i>Streptococcus mutans</i>	Spatafora
2004	Balint, Corinne	BIOL	Investigating a Role for FimA in the <i>Streptococcus mutans</i> : Human Endothelial Cell Interaction	Spatafora
2004	Corriveau, Erin	NSCI	Sunsets and Raging Hormones: Physiological Effects of Maternal Separation are Influenced by Corticosterone Circadian Rhythm and Maternal Behavior in C57BL/6 Mice	Parfitt
2004	Davies, Gareth	NSCI	Vocal Communication in the Black Capped Chickadee	Root
2004	Dorr, Nate	NSCI	Stress-Induced Transcription of the CRH and AVP Genes in the Rat Hypothalamus	Helmreich
2004	Garrity, McKalyn	BIOL	The Effect of Sonar® (Fluridone) Herbicide on the Survival and Behavior of the Aquatic Oligochaete Lumbriculus Variegates	Root
2004	Heaphy, Julie	MBBC	Putative Targets of The Transcription Factor D-Pax2 in <i>Drosophila melanogaster</i>	Kavaler
2004	Klayman, Andrea	BIOL	The Effects of Differential Rearing on Behavior and Glucocorticoid Receptor mRNA Expression in Adult C57BL/6 Mice	Parfitt
2004	Lemay, Corinne	MBBC	Bacterial Growth in Farm Bedding as a Risk Factor for Clinical Mastitis in Holstein Cows	Kavaler

2004	Selgrade, Becca	NSCI	Behavioral Effects of Hypothyroidism in Adult Rats	Helmreich
2004	Yaswinsky, Molly	BIOL	The Effects of Intensive Sheep Grazing on Growth and Reproduction of Invasive Glossy Buckthorn ( <i>R. frangula</i> )	Lloyd
2003	Capewell, Linda	BIOL	Poop and Parasites: The Disgusting but fascinating investigation on the Influence of Treatment, Time after Administration, and Pasture Management on the Prevalence of Strongyles and <i>Parascaris equorum</i> in Horses	Root
2003	Herwood, Margot	BIOL	The Effects of Chronic Escapable Versus Inescapable Stress and Antidepressants on CRH mRNA Expression in the Male Syrian Hamster ( <i>Mesocricetus auratus</i> )	Parfitt
2003	McCalley, Carmody	BIOL	The Influence of Stand Age and Species Composition on Forest Nutrient Dynamics and N Retention	Sheldon
2003	Newell, Peter	MBBC	Genomic Studies of Gene Regulation: Developing a Dual-Plasmid Reporter System for Determining Target Sequences of Transcription Factors	Kavaler
2003	Parker, Hallie	MBBC	The Regulation of d-Pax2 during Drosophila Sensory Organ Development	Kavaler
2003	Rolerson, Liz	BIOL	Color Change of the Chorus Frog <i>Pseudacris crucifer</i>	Root
2003	Saltstein, Katherine	NSCI	Does Differential Rearing Environment Produce Changes in Adult Behavior in the C57BL/6 Mouse?	Parfitt
2003	Teichman, Jason	MBBC	Inhibition of Calpain Prevents Downstream Caspase Activation of Immortalized Mammary Epithelial Cells Undergoing Apoptosis	Watters
2003	Tory, Heather	NSCI	Dexamethasone Suppression of Corticosterone Secretion in Stressed Rats	Helmreich
2003	Twichell, Sarah	BIOL/ ESBI	Impacts of Long-Term Treated Sewage Effluent Addition on a Salt Marsh Creek Community	Sheldon
2003	Vasileff, William	BIOL	The Expression of Bcl-2 Family Proteins in the Developing Rat Nervous System	Helmreich
2003	Whittinghill, Kyle	BIOL	The Effects of Atmospheric Nitrate and Sulfate Deposition on the Balance of Electron Acceptors Used for Decomposition in a Forested Wetland	Sheldon
2003	Wilson, Alexis	BIOL	The Population Dynamics of <i>Picea mariana</i> at the Northernmost Range Limit in the Brooks Range, Alaska: A Matrix Population Model	Lloyd
2002	Cordner, Amy	BIOL/ PSYC	Antidepressant Administration Prevents the Adverse Effect of Stress on Male Reproductive Behavior in the Syrian Hamster ( <i>Mesocricetus auratus</i> )	Parfitt
2002	Corey, Caitlin	BIOL	Factors Influencing the Effectiveness of Artificial Cover Objects as a Method of Sampling the Terrestrial Salamander, <i>Plethodon cinereus</i>	Wulff, Janie
2002	Crouch, Megan	NSCI	Stressor Controllability: Influences the Behavior of the Adult Male Rat in the	Helmreich

			Open Field test, the Neophobia test and the Forced Swim test	
2002	Dutton-Swain, Nicolas	MBBC	The Involvement of a Response Regulator in the Gtfs-mediated Adherence of <i>Streptococcus mutans</i> to the Tooth Pellicle	Spatafora
2002	Greenstein, Emily	BIOL	The Effects of Parkinson's Disease on Color Vision	Root
2002	Jewell, Kelly	BIOL	Forest Regeneration in 1998 Ice Storm Gaps in an Old-Growth Hemlock Forest in Vermont	Lloyd
2002	Kieves, Nicola	ESBI	A Temporal and Geospatial Analysis of Six Vermont Bird Species	Trombulak
2002	Lauter, Kelly	MBBC	Characterization of a Dlg Regulon in <i>Streptococcus mutans</i>	Spatafora
2002	Levin, Jennifer	NSCI	The Effects of the Early Rearing Environment on the Behavioral and Physiological Response to Stress in C57BL/6 Mouse	Parfitt
2002	Peery, Stewart	BIOL	Coexistence of Two Species of Peromyscus in the Otter Creek Swamp	Trombulak
2002	Priester, John	BIOL/ PHYS	The Effect of Weather on the Foraging Location of Black-Capped Chickadees: A Study of Streams in Winter	Root
2002	Richmond, Laurie	BIOL	The Impact of Forest Management on Populations of the Red-backed Salamander ( <i>Plethodon cinereus</i> ) in the Green Mountains of Vermont	Trombulak
2002	Selgrade, Sara	MBBC	Investigating Putative Cross-Regulation Between the <i>Streptococcus mutans</i> dlt and glg Loci	Spatafora
2002	Sommerville, Matt	BIOL	Patterns of White-tailed Deer ( <i>Odocoileus virginianus</i> ) Herbivory in Small Treefall Gaps in Vermont Hardwood Forests	Lloyd
2002	Thompson, Anne	MBBC	The Role of Pax2 and Notch Signaling in the Execution of the Glial Cell Fate	Kavaler
2002	Wilson, Kristin	BIOL	Lasting Impacts of a Catastrophic Wind Event: The 1938 Hurricane and 32 Years of Changing Stand Dynamics at the Harvard Forest, Petersham, MA	Lloyd
2001	Bender, Katie	BIOL	Environmental stressors: Primates in the Field and Hamsters in the Lab	Parfitt
2001	Boscarino, Brent	BIOL	The Effect of Clomipramine on Sexual Behavior in Male Syrian Hamsters	Parfitt
2001	De Niro, Katie	BIOL	Seed Dispersal Limitation in Abandoned Agricultural Fields on the Otter Creek Floodplain in Addison County, Vermont	Girdler, Binny
2001	Freeman, Ben	MBBC	Characterization of a Putative Metal Ion Transport Operon in <i>Streptococcus mutans</i>	Spatafora
2001	Harper, Elizabeth	BIOL	Patterns of Distribution of Leaf Litter Frogs in Three Life Zones in Costa Rica	Trombulak
2001	Hinckley, Eve-Lyn S.	ENVS	Dissolved Nitrogen Dynamics in an Undisturbed Coastal Forest: Controls On Retention and Implications For Grassland Restoration	Lloyd

2001	Howe, Emily	BI/ES	Aquatic Macrophyte-Epiphyte-Invertebrate Interactions in Two Vermont lakes	Sheldon
2001	Howell, Ruth	BIOL	Possible Environmental Cues for the Diel Vertical Migration of American Lobster Larvae ( <i>Homarus americanus</i> )	Root
2001	Idone, Vincent J.	MBBC	Tenacious adherence Regulator (tar) Controls the Gtf-S-mediated Adherence of <i>Streptococcus mutans</i> to the Tooth Pellicle	Spatafora
2001	Lagasse, Daniel	MBBC	Oxidative Stress Regulates Expression of a Newly-Identified Per Gene in <i>Streptococcus mutans</i>	Spatafora
2001	Lyall, Kristen H.	BIOL	Experimental Investigation of Sex Differences in Human Handedness as a Test of Two Genetic Models	Dick
2001	Mandeville, Jennie Marie	BIOL/ PSYC	Optimal Culture Diets and Lipid Composition of the Rotifer, <i>Brachionus plicatilis</i>	Root
2001	Pruitt, Katherine M.	BIOL	Food Discrimination by the Northern Starfish ( <i>Asterias vulgaris</i> )	Root
2001	Rodman, Janice	BIOL	Effects of Uncontrollable and Controllable Stress on Male Reproductive Behavior in the Syrian Hamster	Parfitt
2001	Stonehouse, Emily A.	MBBC	<i>Streptococcus mutans</i> fimA Codes for an Iron Transporter and is Regulated by a DtxR Homolog	Spatafora
2001	Wright, Katherine M.	BIOL	Painted Turtles ( <i>Chrysemys picta</i> ) of Vermont: an Examination of Phenotypic Variation and Intergradation	Root
2000	Benvenuto, Anna Lee	BIOL	The Effects of Rodeo Herbicide on the Behavior and Survivorship of <i>Lumbriculus variegatus</i>	Root
2000	Clark, Christopher	BIOL	CovR/CovS in <i>Streptococcus mutans</i> : A Putative Regulator of Virulence and a Potential Target for Unique Antibacterials	Spatafora
2000	Donovan, Nicole	BIOL	Examining Coordinate Regulation of the <i>Streptococcus mutans</i> dlt and glg Loci	Spatafora
2000	Ferreiro, David	BIOL	Susceptibility of <i>Streptococcus mutans</i> to Bismuth Ethanedithiol (BiSEDT)	Spatafora
2000	Forbes, Ashley	MBBC	Characterization of gtf-S Expression in <i>Streptococcus mutans</i> GMS315, an Adherence-Deficient Mutant	Spatafora
2000	Frashure, Jenn	MBBC	Adhesion and Invasion of <i>Streptococcus pyogenes</i> to a Pharyngeal Carcinoma Cell Line	Spatafora
2000	Gilbert, Amy	BIOL	The Composition of Woody Plant Seedlings in Forest Gaps Created by the 1998 Ice Storm in an Uncut Hemlock Forest in Vermont	Lloyd
2000	Gillespie, Rob	MBBC	Characterization of tarC; A Putative Regulator of Gtf-S Expression in <i>Streptococcus mutans</i>	Spatafora
2000	Sewell, Kendra	BIOL	The Effect of <i>Calendula officinalis</i> on Wound Healing in Mice	Root

2000	Stewart, Frank	BIOL	Bacterial Distribution and Bacteria-Phytoplankton Associations in Ice Covers of the Ross Sea and the McMurdo Dry Valleys, Antarctica	Wulff, Janie
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**Class of 1999 and earlier (Biology majors unless otherwise noted)**

Year	Name	Major	Thesis Title	Advisor
1999	Amy, Scott		Fos in the Suprachiasmatic Nucleus of House Mouse Lines that Reveal a Different Phase-Delay Response to the Same Light Pulse	Bult, Abel
1999	Andrews, Ginelle K.	MBBC	Expression of the Distal-Less Gene in the Polychaete Worm <i>Ctenodrilus serratus</i>	Dick
1999	Astaras, Christos		Geographic Patterns of Genetic Variation of <i>Semotilus atromaculatus</i> (Pisces: Cyprinidae) and Their Implications for Conservation	Trombulak
1999	Bak, Matthew J.		Characterization of a Signal Transduction Pathway Mediating Gtf-S Expression in <i>Streptococcus mutans</i>	Spatafora
1999	Balamotis, Michael A.	MBBC	In Vitro Expression of a Putative Response Regulator Protein in <i>Streptococcus mutans</i>	Spatafora
1999	Cyrkler, Jennifer E.		Cloning and Characterization of Iron-Responsive Genes in <i>Streptococcus mutans</i>	Spatafora
1999	Marshall, Silas	MBBC	Calretinin is Not a Marker for Subdivisions in the Uprachiasmatic Nucleus	Bult, Abel
1999	Parker, Stephanie M.		Micro-Algal Communities of Rock and Moss Substrata in the Kuparuk River, North Slope, Alaska	Wulff, Janie
1999	Robinson, Lloyd S.		Molecular Analysis of a <i>Streptococcus mutans</i> Mutant that is Hypercariogenic in Vivo	Spatafora
1999	Swee, Margaret		Characterization of a Novel Mutation in the Parasitic Wasp, <i>Nasonia vitripennis</i>	Backus
1998	Higuera, Philip E.		Debris Slide Processes and Forest Response in the Adirondack Mountains, New York	Lloyd
1998	Howard, Katherine	MBBC	Evidence for Horizontal Gene Transfer in <i>Streptococcus parasanguis</i>	Spatafora
1998	Leparc, German Gastón		Ontogenetic Pattern of SCP-Expressing Neurons During Paratomic Fission of <i>Ctenorilus serratus</i>	Dick
1998	Luyimbazi, David	MBBC	Regulation of <i>Streptococcus mutans</i> Intracellular Polysaccharide (IPS) Accumulation by the Phosphoenolpyruvate Phosphotransferase (PTS)	Spatafora
1998	Silapaswan, Cherie		Age Structure and Recruitment History in Isolated Red Pine Stands in Central Vermont	Lloyd
1998	Van Hoeven, Neal	MBBC	Identification of an Antioxidant in <i>Streptococcus parasanguis</i>	Spatafora
1998	Warren, Wayne	MBBC	Evidence that a Two-Component Regulatory System Controls Gtf-S Expression in <i>Streptococcus mutans</i>	Spatafora

1997	Bloom, Joanna	MBBC	Cloning of Iron-Responsive Genes from <i>Streptococcus mutans</i>	Spatafora
1997	Camfield, Renée		Toward Optimal Primary Culture Conditions for Mouse Mammary Epithelial Cells	Watters
1997	Donovan, Patrick	MBBC	<i>Streptococcus mutans</i> glg Gene Expression is Transcriptionally-Regulated.	Spatafora
1997	Ford, Matt		The D-note Duration of Black-Capped Chickadee Calls as a Predictor of Future Behavior	Root
1997	Francola, Karen		The Effect of Estrogen Replacement Therapy on Experimental Allergic Encephalomyelitis	Root
1997	Goldman, Angela		The Effects of Prozac on Platelet Aggregation in Puerpural <i>Mus musculus</i>	Root
1997	Knauf, Melody		The Effect of Prolonged Cold Temperatures on Super-Cooling Capacity	Root
1997	Macy, Margaret	MBBC	Carbohydrate-regulated glg Gene Expression in <i>Streptococcus mutans</i>	Spatafora
1997	Moore, Meagan		Iron Acquisition in <i>Streptococcus mutans</i>	Spatafora
1997	Prentiss, Kimball		The Effect of Maternal Fluoxetine Hydrochloride on Plasma Serotonin Levels of Neonatal Mice	Root
1997	Schneider, Peter		A Study of the Atlantic Surf Clam, <i>Spisula Solidissima</i> : comparing ultrasound, needle biopsy, gross morphology and histology as a means of evaluating seasonal gametogenesis to enhance conservation of this species	Root
1997	Sheets, Meagan	MBBC	Construction of glg:cat Fusions in <i>S. mutans</i> Mutants Altered in IPS Accumulation	Spatafora
1997	Williams, Lucas		A Molecular Phylogeny of the Bryozoan Order Cheilostomata	Dick
1996	Andrews, James ( <i>Master's Thesis</i> )		Inventory and Monitoring of Amphibians in the Lake Champlain Drainage of Addison County, Vermont	Trombulak
1996	Berry, Heather		The Effect of Nitric Oxide on Contraction and Relaxation In Spontaneously Hypertensive Rats	Root
1996	Irwin, Rebecca		Affects of the Nectar-Robbing Bumblebee <i>Bombus Occidentalis</i> on the Male and Female Reproductive Success of <i>Ipomopsis aggregata</i> (Polemoniaceae)	Backus
1996	Jensen, Michael		Optimal Foraging by the Crayfish <i>Orconectes virilis</i> on Snail Taxa	Backus
1996	June, Rebecca Margaret		Monitoring glg Expression in <i>Streptococcus mutans</i> by CAT Assay	Spatafora
1996	Kocaj, Stephen Mark		Characterization of <i>Streptococcus mutans</i> Adherence Mutants using SDS-PAGE Analysis	Spatafora
1996	Krell, Rayda K.		Oviposition Preference in a Gall Making Herbivore: Is it Influenced by a Parasitoid Wasp?	Lowenberg, Greg
1996	Lie, Andrew		Running to stay stable: the effect of substrate on velocity and stability on the American cockroach ( <i>Periplaneta americana</i> )	Root
1996	Normand, Darcy		Intracellular Calcium Homeostasis in the Secretory Cells of Mouse Mammary Gland Tissue	Watters
1996	Pease, Christina		An Analysis of Prevention: Lead Poisoning in Vermont	Root

1996	Schermerhorn, Peter		A Cross Validation Study of the Fear Avoidance Beliefs Questionnaire (FABQ) and its Use in the treatment of backpain	Root
1996	Shafford, Heidi		The Effect of Temperature on Soil Microbes	Spatafora
1995	Baker, Regina Ann		Iron Acquisition in <i>Streptococcus mutans</i>	Spatafora
1995	Barnard, Daron Curtis		Monitoring glg Expression in <i>Streptococcus mutans</i>	Spatafora
1995	Clarke, Loren	MBBC	Characterization of glg Locus in <i>Streptococcus mutans</i>	Spatafora
1995	Cohen, Allison Leigh		The Effects of Social Isolation Stress on Voluntary Ethanol Consumption in Male Wistar Rats	Root
1995	Fox, Graham Melville		Attempts at Inter-stock Transfer of the Cytoplasmatic Incompatibility Factors in <i>Nasonia vitripennis</i>	Saul
1995	Gardner, Andrew Fenn	MBBC	Generation of Site-Directed Mutations to Study Structure-Function Relationships	Spatafora
1995	Kassissieh, Nicole Nadia		Scorpion locomotion: Changes in Inter-and Intra-leg Coordination During Walking Under Suspended Obstacle	Root
1995	Lindell, Ashley Caye		Analysis of Mammary Gland Epithelial Cell Cytosolic Ca <sup>2+</sup> -Binding Proteins Using the Dye 'Stains-All'	Watters
1995	Matthews, Nancy J. (Master's Thesis)		Inventory and Monitoring of Amphibians in the Lake Champlain Drainage of Addison County, Vermont	Trombulak
1995	Reithel, Jennifer S.		The Effect of Clearcutting on Soil Microbial Biomass in a Vermont Deciduous Forest	Spatafora
1995	Rendi, Mara H.		Identification and Characterization of a Novel Adherence Locus (adh) from <i>Streptococcus mutans</i>	Spatafora
1995	Stull, Jason		Habitat Fragmentation in the Green Mountains: The Impact of Hiking Trails on Cryptozoic Invertebrate Communities	Sheldon
1994	Bernard, Timothy J.		An Examination of Microhabitat Selection and Length of Torpor in Myotis Bats During Hibernation	Trombulak
1994	Bryant, Rachel		Field Study of Communication and Behavior in <i>Corvus Riochryrnchus</i> Which Winter in Vermont	Trombulak
1994	Donovan, James Michael	MBBC	Construction of Operon Fusions to Study <i>Streptococcus mutans</i> IPS Regulation	Spatafora
1994	Godshalk, Elisabeth M.		Establishment and Characterization of Primary Mouse Mammary Secretory Epithelial Cell Cultures on Matrigel Basement Membrane Matix	Watters
1994	Graham, Liza		Bumblebee Foraging: Can Observed Preferences of Two Bee Species Be Explained by Their Foraging Efficiencies on Flowers of Two Different Plant Species?	Jones, Kristina

1994	Herrington, Mary		Processing of Three Leaf Species at Four Leaf Ages in a Third Order Stream in Middlebury, Vermont: the Role of Shredders and the Influence of Condensed Tannins	Sheldon
1994	Hertzig, Jeremy		Microhabitat Use in Winter Flocks of Black-capped Chickadees ( <i>Parus atricapillus</i> ): A Comparison of Foraging Behaviors in a Deciduous and a Coniferous Forest	Trombulak
1994	Hutchins, Jennifer B.		The Effect of the McDavid Prophylactic Knee Brace on Response Time and Perceived Performance of Leg Muscles in Athletes	Root
1994	Kim, Jeffrey David	MBBC	Subcloning of the <i>Streptococcus mutans</i> glg Locus for Subsequent In-Vitro Analysis of Putative glg B Gene Products	Spatafora
1994	Newsome, Britt		Characterization of Suspected Agents Involved in the Transfer of Ti-type Non-reciprocal Cross Incompatibility in <i>Nasonia vitripennis</i>	Saul
1994	Peterson, Erica Livia	MBBC	Generation of a <i>Streptococcus mutans</i> Transposon Mutant Defective in Adherence to Hydroxyapatite	Spatafora
1994	Rohrer, Kellie Ann	MBBC	Mapping of Transposon Insertions in <i>Streptococcus mutans</i> Supports a glg Operon	Spatafora
1994	Waasdorp, Christine E.		The Effects of Shoe Insert Orthotics on Stance Phase of Running	Root
1994	Young, Christine		The Effect of Prolonged Darkness on the Metabolic Rate of Rats	Root
1993	Bowers, Teresa		Response of Small Mammal Distributions and Abundances to Two Decades of Forest Decline on Camel's Hump, Vermont	Trombulak
1993	Curry, Timothy B.	MBBC	Identification and Characterization of Ca <sup>2+</sup> -Binding Proteins in Cytosolic Fractions of Mouse Mammary Glands Utilizing SDS-PAGE and the Dyes Stains-All and Ruthenium Red	Watters
1993	Frauendorf, Elaine		The Effect of Paternal Nutrition on the Development and Grooming Behavior of Mice	Root
1993	Maziarz, Jonathan		Winter Activity, Microclimate Selection, and Other Aspects of Hibernation in Five Species of Bats in Vermont	Trombulak
1993	Miller, Carrie		Pre-Programmed Rhythmic Behavior of Locomotion in Tarantulas and the Dependence on Sensory Feedback	Root
1993	Sobek, Dane E.		Quantitative Analysis of Ca <sup>2+</sup> -Binding Proteins in Mouse Mammary Gland Cell Cytosolic Fractions Using the Dye Stains-All and Spectrophotometric Analysis	Watters
1992	Good, Brian		The Interaction Between Common Riverweed <i>Podostemum ceratophyllum</i> and Crayfish <i>Orconectes limosus</i> in Otter Creek, VT	Creed, Robert
1992	Racha, Lori Beth		The Effect of Technique on Heart Rates and Perceived Exertion in Women Nordic Skiers	Root
1992	Schilling, Brian		The Transfer of the Wild-Type Incompatibility Factor to an Aposymbiotic Strain of <i>Nasonia (Mormoniella) vitripennis</i> by Injection	Saul

1992	Scholl, Megan		Cytoskeletal Association of the T Cell Receptor	Marano, Natalina
1992	Silverman, Bruce		Radioimmunoprecipitation and Antigenic Cross-Reactivity in <i>Borrelia burgdorferi</i> , the Lyme Disease Spirochete	Cluss
1992	Stevens, Noelle		Transfer of the Wild-Type Incompatibility Factor Into Aposymbiotic Strains of <i>Nasonia vitripennis</i> via Ingestion of the Factor	Saul
1992	Tan, Colin Fei-shen	MBBC	Purification of Cytoskeletally-Associated T Cell Receptor Complexes	Marano, Natalina
1992	Tucker, Bethany	MBBC	Further Characterization of Conjugal Systems Containing a Test Plasmid with Two OriT's	Small, Pamela
1992	VanEpps, Heather L.		Transfer of Wild Type Incompatibility Factor to Aposymbiotic Strains of <i>Nasonia (Mormoniella) vitripennis</i> through Host Injection	Saul
1991	Davis, Corey		Novel Secreted Proteins of <i>Borrelia burgdorferi</i> : The Spirochete of Lyme Disease	Cluss
1991	Harper, Karen		The Effect of Expanding Huckleberry Clones ( <i>Gaylussacia Baccata</i> ) on Species Composition in Coastal Heathland on Nantucket Island, Massachusetts	Landgren, C. Randy
1991	Neider, Meredith Kiersten		Ankle Taping and Bracing: The Effects on Torque Production and Range of Motion	Root
1991	Stowe, Emily E.	MBBC	Transfer of the Tinged 277 Incompatibility Factor Into Wild Type Strain of <i>Nasonia (Mormoniella) vitripennis</i> by Feeding of Vector in Homogenate	Saul
1991	Wellnitz, Todd ( <i>Master's Thesis</i> )		The Response of Macroinvertebrates, Algae, and Fish to Blooms of Iron-Depositing Bacteria	Sheldon
1990	Berry, Lee		Isolation of Plasma Membranes from Lactating Mouse Mammary Gland	Watters
1990	Boroff, Erika S.		A Preliminary Genetic Study of Virulence and Congo Red Binding Ability in Two Strains of Avian <i>E. coli</i>	Small, Pamela
1990	Gorden, Jed		Quantitative Analysis of the Effects of Variable pH on the Growth of Shigella, <i>Salmonella typhimurium</i> and enteroinvasive <i>E. coli</i>	Small, Pamela
1990	Manley, Carolyn		The Effects of Juvenile Hormone-Induced Color Polymorphism on Fecundity and Egg Maturation in the Female Tobacco Hornworm, <i>Manduca sexta</i>	Fink, Linda
1990	Marcum, Holly		Mediators of Pheromonal Communication as a Proposed Function for the Pectines of the Scorpion <i>P. mesaensis</i> ( <b>no copy available in biology dept.</b> )	Root
1990	Modry, Jay		Dispersal and Dynamics of Brook Trout ( <i>Salvelinus fontinalis</i> ) And Other Fish In A Vermont Stream	Adolph, Steven
1990	Murphy, Timothy J.		Determination of the Free Cystolic CA+2 Concentration of Freshly Isolated Secretory Cells from the Lactating Mammary Glands of Mice.	Watters

1990	Naylor, Kelli		The Establishment and Maintenance of Dominance Hierarchies in Captive Peer Groups of Juvenile Rhesus Macaques	Root
1990	Soos, Timothy		Transfer of the Tinged 277 Incompatibility Factor into an Aposymbiotic Strain of <i>Nasonia (Mormoniella) vitripennis</i>	Watters
1989	Bennett, Kimberly		Diet Selection and Hibernation in the Eastern Chipmunk ( <i>Tamias striatus</i> )	Trombulak
1989	Bodkin, Katherine		Histochemical Analysis of Stimulation of Claw Closer Muscle of <i>Procambarus clarkii</i> and <i>Cambarus sp.</i>	Root
1989	Grief, Kristianne A.		The Effects of Prey Size and Movement on Prey Selection in the Toad ( <i>Bufo marinus</i> )	Root
1989	Hurt, George C.		An analysis of the precision and the accuracy of point-centred-quarter sampling as applied to a plot of an Australian wet tropical rainforest community.	Trombulak
1989	Nicholson, Gary J.		Transfer of the Wild-Type Incompatibility Factor into an Aposymbiotic Stock of <i>Mormoniella vitripennis</i>	Saul
1989	Telford, Lynn		The Effect of Stimulation upon Muscle Transformation in the Crayfish ( <i>Procambarus clarkii</i> )	Root
1988	Durmowicz, Gerard ( <i>Master's Thesis</i> )		Transfer of the Incompatibility Factor in <i>Mormoniella vitripennis</i> (Walker) Through Host Injection	Saul
1988	Folta, Sara C.		Prey Detection as a Possible Function of Trichobothria of the Desert Sand Scorpion <i>Paruroctonus mesaensis</i>	Root
1988	Muldoon, Kathleen A. ( <i>Master's Thesis</i> )		The Stimulus Parameters Causing the Defense Response in Crayfish, and the Role of a Possible Command Neuron	Root
1988	Teufel, Edward J.		Electrophysiological Characteristics of Trichobothria of the Scorpion <i>Paruroctonus mesaensis</i>	Root
1987	Kotlow, Urszula		Histological Study of the Healing Process Following Ventricle Resection in the Newt <i>Triturus (Notophthalmus) viridescens</i>	Root
1987	Treiber, Daniel K.		Isolation and Structural Characterization of the <i>Mycoplasma capricolum</i> Adenosine Triphosphatase	Cluss
1986	Buckley, Therese A. ( <i>Master's Thesis</i> )		The Effect of Flat Walking and Ball Walking on the Coordination of Scorpion ( <i>Paruroctonus mesaensis</i> ) Locomotion.	Root
1986	Farrow, Lori		Winter Microclimate in White-tailed Deer Habitat	Sheldon
1986	Lewis, Sarah E.		The Effects of Grazing Cows (Genus Bos), Sheep (Genus Ovis) and Horses ( <i>Equus caballus</i> )	Sheldon

			on Plant Community Structure and Botanical Composition	
1986	Macmillin, Katherine		Characterization of the Ca <sup>++</sup> -ATPase Activity in the Milk Fat Globular Membrane	Watters
1985	Baumhauer, Judith Ford ( <i>Master's Thesis</i> )		A Comparison Study of Ankle Inversion and Eversion in Healthy and Inversion Sprained Individuals as Assessed by Cybex II Dynamometer	Root
1985	Briggs, Margaret C.		Conflicting Ecosystems of Beaver and Man	Woodin
1985	Brown, Pamela J.		An Interdisciplinary Approach to the Water Quality in Putnam Creek, Adirondacks, NY	Woodin
1985	Holmes, Wayne Patrick		Administration of Tetracycline to <i>Mormoniella vitripennis</i> (Walker) by Host Injection and the Effect of the Antibiotic on Compatible and Incompatible Crosses	Saul
1985	Riemann, Rachel I.		Dutch Elm Disease and its Control at Middlebury College	Woodin
1984	Bowman, Carolyn L.		Environmental Education: A Study and Curriculum	Woodin
1984	Hathaway, William R.		Semi-artificial Culturing and the Effect of Tetracycline on Non-reciprocal Cross Incompatibility in <i>Mormoniella vitripennis</i>	Saul
1984	Power, Janet A.		A Study of Solid Waste Disposal-Resource Recovery Systems as an Alternative to Landfilling	Woodin
1984	Williamson, Mike D. ( <i>Master's Thesis</i> )		Strategies for Surviving Freezing Temperatures: A Differential Thermal Analysis of Four Evergreen Ferns of Vermont	
1984	Wilson, Kim		Changes in the Protein and Glycoprotein Composition of the MFGM During Early Lactation	Watters
1983	Flodman, Pamela L.		Looking Backward: The Case Control Study and Its Application to Cancer Research	Woodin
1983	Harrington, Colin J.		The Pectines of Scorpions: A Proposed Function as Mechanoreceptors Sensitive to Substratum Texture	Root
1983	Lipton, Joshua		The Quantitative Chemical Extraction of Sub-Microgram Amounts of the Antibiotic Oxytetracycline from Sockeye Salmon Fry, and Its Implications as a Marking Technique	(off-campus advisor)
1983	Symancyk, Laura A.		Ultrastructural, Electrophysiological, and Behavioral Correlates of Degeneration and Regeneration of the Medial Giant Fiber in the Crayfish Ventral Nerve Cord	Root
1982	Acord, Kathi L.		Sociobiopolitics in Deer Herd Management	Woodin
1982	Brusslan, Judy		Interspecific Protoplast Fusion in <i>Streptomyces</i> sp.	Baker, Dwight
1982	Deason, Jean		The Effects of the Stage of Egg Development on X-Ray Sensitivity in <i>Mormoniella vitripennis</i> ( <b>copy in library archives</b> )	
1982	Gumbart, Thomas C.		The Development of Non-Consumptive Wildlife Management and the Management of	Woodin

			Non-Game Bird Species	
1982	Stout, Timothy M.		Nutrient Resorption in Northern Hardwood Forests	Woodin
1981	DuVivier, Eleanor	BIOL/ PHYS	In Vivo Measurements of the Acoustic Intensity in the Abdomen of a Mouse Irradiated with MHz Ultrasound	Root/ Gould, Robert
1981	Hemenway, Charles		Respiratory and Circulatory Responses of Mammals to Acute High Altitude	Root
1981	Klein, Elizabeth Leigh		Ecosystem Modeling: The Case of Forest Defoliation	Woodin
1981	Smith, Holly		The Effect of X-Ray Dose Fractionation on Induction of R Locus Mutations in Mature Sperm of <i>Mormoniella vitripennis</i>	Saul
1981	Tyler, George Arthur ( <i>Master's Thesis</i> )		Methionine Enkephalin in the Dorsal Hippocampus and Its Functional Role in Hippocampal Regulation of the Pituitary-Adrenal Axis	Root
1980	Burpee, Louise Kellam		Study of the Effects of Patch Cutting on Streamwater Parameters in Sucker Brook Green Mountain National Forest, VT	Woodin
1980	Engle, Elizabeth D.		Studies on DNA Gyrase: Inhibition of DNA Synthesis by Oxolinic Acid and Coumermycin A1	Saul
1980	Lane, Denton J.		Computer Modeling of Oxygen Depletion in Lakes: Qualitative and Quantitative Approaches	Woodin
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1898	Sutton, Fanny Maroa & Whitney, Luella Cushing		The Myxomycetes of Vermont <b>(copy in library archives)</b>	

#### Full Names of Faculty Thesis Advisors

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Cluss, Robert	Sheldon, Sallie
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Kavaler, Josh	Ward, Jeremy
Landis, R. Matthew	Watters, Chris
Lloyd, Andi	Woodin, Howard "Doc"

Parfitt, David	Young, Helen
Root, Tom	