

## List of theses and dissertations utilizing the facility

Author	Title	Principle Investigator	Year
Swartz, A. MS		Michael Shafer	19-Apr
Zimmerman, M. MS		Archana Varadaraj	19-Apr
Shuman-Goodier, M. PhD	Illuminating amphibian nightlife in rice agricultural ecosystems	Cathy Propper	19-Apr
Geier, R.P. MS	Evaluation of Sintering Additives on Feasibility of Silicon Carbide as a Bearing Surface in Total Hip Prostheses	Timothy Becker	18-Aug
Cotter, T. MS	Characterization of injectable liquid embolic particles.	Timothy Becker/Christopher Mann	18-May
Fowler, M. MS	electrospun aligned polycaprolactone (PCL) scaffold as an in-vitro model promotes glioblastoma stem-like cell migration	Rob Kellar	18-Dec
Woodruff, R. MS	Extracting Pure DNA from Alaskan Permafrost Soils for $\Delta$ 14C Analysis	Egbert Schwartz	18-Dec
Ruiz, D.R.H. MS	Characterizing Material Properties Of Drawn Monofilament for Twisted Polymer Actuation	Michael Shafer	18-Aug
Hessel, A. PhD	The role of titin in contact of skeletal muscle	Kiisa Nishikawa	18-Apr
Greene, J. MS	Investigation of the Scope of Antibiofilm Activity and Mechanism of Antibacterial Action of the Deep Eutectic Solvent Choline Geranate	Andrew Koppisch	18-Jun
Morgan, K. MS	An Investigation of the Bellecombe Tephra and Its Associated Eruptions on Piton De La Fournaise, La Reunion	Michael Ort	18-May
Thomas, B. MS	A taxonomic revision of the genus Hypogena and a review of antennal microstructures in Tenebrionidae	Aaron Smith	18-May
Nair, R. MS	Geometric effects in photocatalytic active matter	John Gibbs	18-May
Skibicki, S. MS	Phylogenetic Systematics of Sanvitalia (Asteraceae: Heliantheae)	Tina Ayers	17-May
Carroll, K. MS	Electro-Mechanical Characterization of Structural Supercapacitors	Constantin Ciocanel	17-Dec
Bonsmann, L. MS	Optimization of Carbon-Based Structural Supercapacitors	Constantin Ciocanel	17-Dec
Diller, R. PhD	Bio Inspired Electrospun Integumentary Scaffolds for Closing Full Thickness Wounds	Rob Kellar	Apr-17
Merrett, K. MS	The Exploration of the Scope of the Antibiofilm Activity of Choline Geranate, a Deep Eutectic Solvent	Andy Koppisch	May-17
Zhu, Z. M.S.	Electro-Mechanical Characterization of a Multifunctional Power Storage Composite Material	Constantin Ciocanel	Apr-17
Hanson, K.M. M.S.	Phylogeny, Biogeography, Floral Morphology of Cyphocarpoideae (Campanulaceae)	Tina Ayers	May-16
Arnett, A. MA	An evaluation of ancestral Pueblo settlement and land use patterns over time in the Hay Hollow Valley of eastern central Arizona	Francis Smiley	May-16

Fisher, S. MA	Early PaleoAmerican research in the Southwest: An investigation of Clovis activity in Petrified Forest National Park	Francis Smiley	May-16
Gibson, K. MS	Nematode communities differ in Hopi landrace maize and commercial maize	Nancy Johnson	May-16
Tabor, AJ. PhD	Platelet rich plasma and electrospun protein scaffolds for full thickness wound closure	Rob Kellar	May-16
Wittmeier, A., MS	Rotational analysis of spherical Janus particles via differential dynamic microscopy	John Gibbs	May-16
Bitsui, M., MS	Uranium concentrations of soil and particulate matter collected between two abandoned uranium mines in Church Rock, New Mexico	Jani Ingram	Jul-15
Have, T.S. MS	An amphibian model for thyroid hormone disruption from exposure to environmental contaminants and heavy metals	Catherine Propper	May-14
Johnson, E. MS	A systematic revision of the genus Diastatea (Campanulaceae)	Tina Ayers	May-14
Soderberg, A., MS	Baseline analysis of uranium and heavy metals in soil and air PM collected along US-Highway 89 in Northern Arizona, by using ICP-MS and SEM / EDS-analysis	Jani Ingram	May-14
Ewen, C., MS	Thermal Vapor Deposition and Characterization of Polymer-Ceramic Nanoparticle Composite Thin Films and Capacitors	Randy Dillingham	May-14
Sheldrake, E., MS	Dual-Utility of Digital Holography and Epi-Fluorescence to Localize Cellular Nuclei	Christopher Mann	May-14
Cole, M. MS	Model to explain the effects of halide ions on the increase in surface enhanced Raman spectral intensity over time	Paul Jagodzinski	May-13
Iwagoshi, J., MS	Thermal Vapor Deposition and Characterization of Polymer-Ceramic Nanoparticle Thin Films and Capacitors	Randy Dillingham	May-13
Machula, H., MS	Electrospun tropoelastin for therapeutic adipose-derived stem cell delivery to full thickness dermal wounds	Robert Kellar	May-13
Yturralde, K.M., PhD	The acoustic ecology of bark beetles and bed bugs	Richard Hofstetter	May-13
Funke, A.L., MS	Effects of the glucose analog, 2-deoxy-D-glucose, on zygospore maturation in Chlamydomonas	Karen Van Winkle-Swift	Dec-12
Cope, E.K. PhD	Influence of tobacco smoke on bacterial diversity and polymicrobial community virulence in chronic rhinosinusitis	Jeffrey Leid	May-12
Jim, V.Q. MS	Microprobe analysis of uranium in mice tissue	Jani Ingram	May-12
Salinas, S. MS	Uranium concentration in high and low mining areas on the southwestern Navajo Reservation	Jani Ingram	Dec-11
Rinner, G. MS	Analysis of particulate lead chromate in Chinese hamster ovary cells by transmission electron microscopy	Diane Stearns	Dec-11
Capus, J. MS	Biomechanics of the feeding apparatus of Chaerodontidae	Alice Gibb	Dec-11
Ka'apu-Lyons, C. MS	The great mouth migration: A tale of two Arizona fish	Alice Gibb	Dec-11
Davis, T.S. PhD	Response of a beetle-microbe complex to variation in host tree phytochemistry	Richard Hofstetter	May-11

Donald, J. MS	Contrasting physiological responses to water in two sympatric cacti, <i>Pediocactus paradinei</i> and <i>Coryphantha vivipara</i>	George Koch	Aug-11
Diller, R. MS	Using digital analysis to evaluate the polymer-induced tissue healing response around biomaterials	Robert Kellar	May-11
Manygoat, K. MS	Ultrastructural Damage in Chromium-Picolinate-Treated Cells: A TEM Study	Diane Stearns	May-11
Fuentes, C. Ph.D	Nuclear transformation of <i>Chlamydomonas monoica</i>	Karen Vanwinkle-Swift	Aug-10
Gopal, R. PhD	Stress mediated immune responses to <i>Toxoplasma gondii</i> oral infection	Fernando Monry	May-09
Georgia-Clark, S. MS	Bacteriophage diversity within <i>Burkholderia pseudomallei</i>	Paul Keim	Dec-09
Gaylord, M. Ph.D	Factors impacting management of pine bark beetles in ponderosa pine forest in Northern Arizona	Thomas Kolb	May-09
Raymond-Whish, S. PhD	In vivo and in vitro evaluation and characterization of the estrogenic properties of uranium	Cheryl Dyer	Dec-08
McBride, T. MS	Abnormal spore wall formation in <i>chlamydomonas</i> mutant	Karen Vanwinkle-Swift	Aug-08
Edgewater, L. MS	Possible enviromental exposure of sheep to uranium	Jani Ingram	Aug-08
Romanotto, Mi. MS	Analysis of particulate uranium uptake in Chinese hamster ovary cells by transmission electron microscopy	Diane Stearns	Aug-08
Ferrier, S.M. PhD	Ovipositor morphology, population dynamics, and biogeography of gall - inducing sawflies (Hymenoptera: Tenthredinidae)	Peter Price	May-07
Ghurbanyan, A. MS	Studies of the chemical sterilant 4-vinyl-1-chyclohexene diepoxide	Cheryl Dyer	Dec-07
Parker, L. MS	Ontogeny of ventricular filling in the African clawed frog, <i>Xenopus laevis</i>	Stephen Warburton	Dec-07
Getz, J. MS	Uranium induces rapid estrogen-like responses in MCF-7 human breast cancer cells	Cheryl Dyer	Dec-06
Flann, K. MS	The role of muscle damage in muscle remodeling: no pain, no gain?	Stan Lindsted	May-06
Jan, C. MS	Distinguishing individual pyroclastic deposits using visible through near infrared and thermal infrared spectral signatures	Richard Shand	May-05
Meyers, J. PhD	Evolutionary consequences of dietary specialization in myrmecophagous lizards	Kiisa Nishikawa	May-05
Monroy, J. PhD	Neural control of prey capture in microhylid frogs	Kiisa Nishikawa	May-04
Bosu, P. PhD	Distinguishing individual pyroclastic deposits using visible through near infrared and thermal infrared spectral signatures	Michael Wagner	Dec-03
Fuentes, C. MS	The isolation and analysis of a cell wall-deficient mutant of Nuclear transformation of <i>Chlamydomonas monoica</i> <i>Chlamydomonas monoica</i>	Karen Vanwinkle-Swift	Dec-02
Schaeffer, PJ PhD	Cold exposure as aerobic training: New perspectives on muscle plasticity	Stan Lindsted	Dec-00
LaStayo, P.C. PhD	Eccentric muscular work: Structural, functional and electrical implications	Stan Lindsted	May-00
Seo, K.S., PhD	Ultrastructure and life cycle of two vegetative forming dinoflagellates: <i>Pyrocystis lunula</i> and <i>Pyrocystis noctiluca</i>	Lawrence Fritz	May-00
Govedich, F. MS	Evolutionary ecology of erpobdellid leeches (Hirudinoidea: Erpobdellidae) in Northern Arizona	Dean Blinn	May-96

Donald, R. PhD	Dissimilatory sulfate-reducing bacteria in sulfide mineral diagenesis: In vitro, geologic systems and bioreactors	Gordon Southam	Dec-98
Shi, L. PhD	Mating Type Control of Sexual Cell Fusion in Chlamydomonas	Karen Vanwinkle-Swift	May-95
Zhu, T. PhD	Cytological mechanisms of cytoplasmic inheritance in alfalfa (Medicago sativa L.)	H. Lloyd Mogensen	May-92
Rusche, ML PhD	The male germ unit of Zea mays: Ultrastructure, morphometry and three-dimensional relationships	H. Lloyd Mogensen	May-90
Benham, Dale M. PhD	A biosystematic revision of the fern genus Astrolepis (Adiantaceae)	H. Lloyd Mogensen	May-89