

## Faculty List

*Note:* This lists purpose is to give you an overview of potential research mentors. If you are interested in a lab not listed, please contact the NMSU-HHMI office.

### Department of Biology

<p><a href="#">Donovan Bailey</a> 646-7012, <a href="mailto:dbailey@nmsu.edu">dbailey@nmsu.edu</a> <i>Research Area:</i> Plant Systematics.</p>	<p>Maria Castillo 646-7664, <a href="mailto:mcastill@nmsu.edu">mcastill@nmsu.edu</a> <i>Research Area:</i> Immunology aspects between Hawaiian bobtail squid and <i>Vibrio fisheri</i>.</p>
<p><a href="#">Karen Mabry</a> 646-2633, <a href="mailto:kmabry@nmsu.edu">kmabry@nmsu.edu</a> <i>Research Area:</i> Behavior Ecology.</p>	<p><a href="#">Kathryn Hanley</a> 646-4583, <a href="mailto:khanley@nmsu.edu">khanley@nmsu.edu</a> <i>Research Area:</i> Virus Evolution Ecology.</p>
<p>Brook Milligan 646-7980, <a href="mailto:brook@nmsu.edu">brook@nmsu.edu</a> <i>Research Area:</i> Population Genetics.</p>	<p><a href="#">John Xu</a> 646-7713, <a href="mailto:jxu@nmsu.edu">jxu@nmsu.edu</a> <i>Research Area:</i> Metagenomics of the mosquito gut ecosystem.</p>
<p><a href="#">Brad Shuster</a> 646-1325, <a href="mailto:cshuster@nmsu.edu">cshuster@nmsu.edu</a> <i>Research Area:</i> Cell &amp; Developmental Biology.</p>	<p><a href="#">Immo Hansen</a> 646-7719, <a href="mailto:immoh@nmsu.edu">immoh@nmsu.edu</a> <i>Research Area:</i> Mosquito Vector Biology.</p>
<p><a href="#">Timothy Wright</a> 646-1136, <a href="mailto:wright@nmsu.edu">wright@nmsu.edu</a> <i>Research Area:</i> Animal Behavior and Evolution.</p>	<p><a href="#">Michele Nishiguchi</a> 646-3721, <a href="mailto:nish@nmsu.edu">nish@nmsu.edu</a> <i>Research Area:</i> Marine Symbiosis.</p>
<p>Patricia Lodato 646-2382, <a href="mailto:plodato@nmsu.edu">plodato@nmsu.edu</a> <i>Research Area:</i> Microbiology (Enterohemorrhagic <i>Escherichia coli</i>, EHEC).</p>	<p><a href="#">Graciela Unguez</a> 646-7963, <a href="mailto:gunguez@nmsu.edu">gunguez@nmsu.edu</a> <i>Research Area:</i> Developmental Neurobiology.</p>
<p>Geoff Smith 646-6080, <a href="mailto:gsmith@nmsu.edu">gsmith@nmsu.edu</a> <i>Research Area:</i> Environmental Biology.</p>	<p><a href="#">Elba Serrano</a> E-mail contact only: <a href="mailto:serrano@nmsu.edu">serrano@nmsu.edu</a> <i>Research Area:</i> Brain cancer, neural tissue engineering, and computational neuroinformatics.</p>
<p>Emily Indriolo 646-3611, <a href="mailto:indriolo@nmsu.edu">indriolo@nmsu.edu</a> <i>Research Area:</i> Pollen-pistil interactions occur in diff. species of <i>Arabidopsis</i> plants.</p>	<p><a href="#">Peter Houde</a> 646-6019, <a href="mailto:phoude@nmsu.edu">phoude@nmsu.edu</a> <i>Research Area:</i> Avian Systematics.</p>
<p><a href="#">Giancarlo Lopez</a> 646-3091, <a href="mailto:gclopez@nmsu.edu">gclopez@nmsu.edu</a> <i>Research Area:</i> Animal Physiology.</p>	



### Department of Animal and Range Sciences

<a href="#">Ryan Ashley</a> 646-4135, <a href="mailto:ryashley@nmsu.edu">ryashley@nmsu.edu</a> <i>Research Area:</i> Reproductive Physiology.	<a href="#">Clint Loest</a> 646-1714, <a href="mailto:cloest@nmsu.edu">cloest@nmsu.edu</a> <i>Research Area:</i> Ruminant Nutrition.
<a href="#">Adam Summers</a> 646-1549, <a href="mailto:asummers@nmsu.edu">asummers@nmsu.edu</a> <i>Research Area:</i> Reproductive Physiology, Fetal Programming.	<a href="#">Sergio Soto-Navarro</a> 646-2515, <a href="mailto:ssoto@nmsu.edu">ssoto@nmsu.edu</a> <i>Research Area:</i> Ruminant Nutrition.
<a href="#">Shanna Ivey</a> 646-4650, <a href="mailto:sivey@nmsu.edu">sivey@nmsu.edu</a> <i>Research Area:</i> Rumen Microbiology.	<a href="#">Eric Scholljegerdes</a> 646-1755, <a href="mailto:ejs@nmsu.edu">ejs@nmsu.edu</a> <i>Research Area:</i> Ruminant Nutrition.
<a href="#">Gaylene Fasenko</a> 646-3402, <a href="mailto:gfasenko@nmsu.edu">gfasenko@nmsu.edu</a> <i>Research Area:</i> Companion Animals and Human Animal Interactions (HAI).	<a href="#">Laura White</a> 646-5595, <a href="mailto:Lmwhite@nmsu.edu">Lmwhite@nmsu.edu</a> <i>Research Area:</i> Pedagogy, Higher order thinking and Equine Nutrition and Growth.
Jennifer Hernandez-Gifford 646-2514, <a href="mailto:jgifford@ad.nmsu.edu">jgifford@ad.nmsu.edu</a> <i>Research Area:</i> Reproductive Physiology, Signaling Pathways that contribute to female fertility.	

### Department of Fish, Wildlife, and Conservation Ecology

<a href="#">Wiebke Boeing</a> 646-1707, <a href="mailto:wboeing@nmsu.edu">wboeing@nmsu.edu</a> <i>Research Area:</i> Aquatic Ecology.	<a href="#">Gary Roemer</a> 646-3394, <a href="mailto:groemer@nmsu.edu">groemer@nmsu.edu</a> <i>Research Area:</i> Mammalian Ecology.
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### Department of Psychology

<a href="#">Michael Hout</a> 646-1730, <a href="mailto:mhout@nmsu.edu">mhout@nmsu.edu</a> <i>Research Area:</i> Visual Cognition, visual attention, memory, eye-movements, and computational modeling.	
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### Department of Plant and Environmental Sciences

<p><a href="mailto:pbosland@nmsu.edu">Paul Bosland</a> 646-5171, <a href="mailto:pbosland@nmsu.edu">pbosland@nmsu.edu</a> <i>Research Area:</i> Chile Breeding, Genetics.</p>	<p><a href="mailto:csgopala@nmsu.edu">Champa Gopalan</a> 646-5784, <a href="mailto:csgopala@nmsu.edu">csgopala@nmsu.edu</a> <i>Research Area:</i> Biotechnology, Genetics.</p>
<p><a href="mailto:frholgui@nmsu.edu">F. Omar Holguin</a> 646-5913, <a href="mailto:frholgui@nmsu.edu">frholgui@nmsu.edu</a> <i>Research Area:</i> Mass Spectral Analysis of Plant Primary and Secondary Metabolism from GMOs.</p>	<p><a href="mailto:shuklamk@nmsu.edu">Manoj Shukla</a> 646-2324, <a href="mailto:shuklamk@nmsu.edu">shuklamk@nmsu.edu</a> <i>Research Area:</i> Environmental Soil Physics.</p>
<p><a href="mailto:iaray@nmsu.edu">Ian Ray</a> 646-3819, <a href="mailto:iaray@nmsu.edu">iaray@nmsu.edu</a> <i>Research Area:</i> Improving osmotic stress tolerance in alfalfa through molecular techniques and conventional breeding.</p>	<p><a href="mailto:cscramer@nmsu.edu">Chris Cramer</a> 646-2657, <a href="mailto:cscramer@nmsu.edu">cscramer@nmsu.edu</a> <i>Research Area:</i> Breeding, Genetics, Onions, Quantitative Genetics, Crop Production.</p>
<p><a href="mailto:jinzhang@nmsu.edu">Jinfa Zhang</a> 646-3438, <a href="mailto:jinzhang@nmsu.edu">jinzhang@nmsu.edu</a> <i>Research Area:</i> Cotton breeding, genetics and genomics.</p>	<p><a href="mailto:kgrover@nmsu.edu">Kulbhushan Grover</a> 646-2352, <a href="mailto:kgrover@nmsu.edu">kgrover@nmsu.edu</a> <i>Research Area:</i> Sustainable Agriculture.</p>
<p>Nicole Pietrasiak 646-1910, <a href="mailto:npietras@nmsu.edu">npietras@nmsu.edu</a> <i>Research Area:</i> Soil Microbiology, Physiology, Desert Soil Ecology, Biocrusts.</p>	<p>Ivette Guzman 646-3405 <a href="mailto:ivguzman@nmsu.edu">ivguzman@nmsu.edu</a> <i>Research Area:</i> Vegetable Physiology and Biochemistry, Vegetable Health Bioactivity, Organic Agriculture.</p>

### Department of Entomology, Plant Pathology, and Weed Science

<p><a href="mailto:aromero2@nmsu.edu">Alvaro Romero</a> 646-5550, <a href="mailto:aromero2@nmsu.edu">aromero2@nmsu.edu</a> <i>Research Area:</i> Entomology/Parasitology.</p>	<p><a href="mailto:shanson@nmsu.edu">Steve Hanson</a> 646-5073, <a href="mailto:shanson@nmsu.edu">shanson@nmsu.edu</a> <i>Research Area:</i> Virology.</p>
<p><a href="mailto:ssanogo@nmsu.edu">Soum Sanogo</a> 646-3577, <a href="mailto:ssanogo@nmsu.edu">ssanogo@nmsu.edu</a> <i>Research Area:</i> Host-Pathogen Relationships.</p>	<p><a href="mailto:japierce@nmsu.edu">Jane Pierce</a> 575-748-1228, <a href="mailto:japierce@nmsu.edu">japierce@nmsu.edu</a> <i>Research Area:</i> Entomology.</p>
<p><a href="mailto:creamer@nmsu.edu">Rebecca Creamer</a> 646-3068, <a href="mailto:creamer@nmsu.edu">creamer@nmsu.edu</a> <i>Research Area:</i> Plant Virology.</p>	<p><a href="mailto:jrandall@nmsu.edu">Jennifer Randall</a> 646-2920, <a href="mailto:jrandall@nmsu.edu">jrandall@nmsu.edu</a> <i>Research Area:</i> Genetic and molecular mechanisms of plant development and plant microbe interactions.</p>

## Department of Chemistry & Biochemistry

<p><a href="#">Amanda Ashley</a> 646-2084, <a href="mailto:ashleyak@ad.nmsu.edu">ashleyak@ad.nmsu.edu</a> <i>Research Area:</i> DNA repair/replication, cancer biology, development of chemotherapy resistance.</p>	<p><a href="#">Kevin Houston</a> 646-3918, <a href="mailto:khouston@nmsu.edu">khouston@nmsu.edu</a> <i>Research Area:</i> The research efforts in my laboratory involve investigations regarding the molecular function of ovarian hormones such as estrogen in cancers and tumors (e.g. breast cancer, uterine leiomyoma).</p>
<p><a href="#">Shelley Lusetti</a> 646-6016, <a href="mailto:slusetti@nmsu.edu">slusetti@nmsu.edu</a> <i>Research Area:</i> defining the cellular processes underlying chromosomal maintenance by studying the enzymes and regulatory mechanisms that control it.</p>	<p><a href="#">Erik Yukl</a> 646-3176, <a href="mailto:etyukl@nmsu.edu">etyukl@nmsu.edu</a> <i>Research Area:</i> Mechanisms by which bacteria acquire metals (e.g. iron, copper, magnesium) from the environment, and how certain metalloproteins are used as sensors of environmental conditions.</p>
<p><a href="#">Feifei Li</a> 646-3346, <a href="mailto:fli@nmsu.edu">fli@nmsu.edu</a> <i>Research Area:</i> Synth. transition metal chemistry, bioinorganic chemistry of metal-ion-based therapy, developing of novel imaging therapies.</p>	<p><a href="#">Paola Mera</a> 646-7679, <a href="mailto:mera@nmsu.edu">mera@nmsu.edu</a> <i>Research Area:</i> identifying unique species-specific genetic modules that control cell proliferation in pathogenic bacteria in order to uncover novel targets for new antibiotics.</p>
<p><a href="#">Barbara Lyons</a> 646-4072, <a href="mailto:blyons@nmsu.edu">blyons@nmsu.edu</a> <i>Research Area:</i> Grb7 in breast cancer signaling DNAJBI-prkaca chimeric protein in fibrolamellar hepatocellular carcinoma.</p>	<p>James Herndon 646-2487, <a href="mailto:jherndon@nmsu.edu">jherndon@nmsu.edu</a> <i>Research Area:</i> The coupling reaction between fisher carbene complexes and highly conjugated acetylene derivatives.</p>
<p><a href="#">Aravamudan Gopalan</a> 646-2589, <a href="mailto:agopalan@nmsu.edu">agopalan@nmsu.edu</a> <i>Research Area:</i> Chelators for environmental applications.</p>	