

# CHEMISTRY AND BIOCHEMISTRY

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Shelley Lusetti, Department Head

**Professors** Arterburn, Houston, Lusetti, Maio, Lyons; **Associate Professors** Ashley, Baker, Talipov, Tello-Aburto, Yukl; **Assistant Professors** Folkman, Gold, Vincent-Ruz, Windorff; **College Professor** Dunlavy; **College Associate Professor** Chinnasamy; **College Assistant Professors** Beltran, Marcheschi; **Emeritus Professors** Eiceman, Gopalan, Herndon, Johnson, Kuehn, Lara, Quintana, Rayson, Smirnov

*S. Lusetti, Department Head, Ph.D. (Wisconsin–Madison)– biochemistry; enzymology of DNA repair; J. B. Arterburn, Ph.D. (Arizona)– organic chemistry; synthetic medicinal and chemical biology; A. K. Ashley, Ph.D. (Colorado State)– biochemistry and toxicology; DNA replication and repair, cancer; C. A. Baker, Ph.D. (Florida State)– analytical chemistry; separation science, micro- and nanotechnologies for neuroscience and astrobiology; S. J. Folkman, Ph.D. (Colorado State University)- electrochemistry, materials; inorganic, green chemistry, for sustainability; B. Gold, Ph.D. (Florida State)– organic chemistry; synthetic methods for chemical biology; bioorganic and medicinal chemistry; K. D. Houston, Ph.D. (Texas- MD Anderson)– biochemistry; molecular mechanisms of hormone action in tumorigenesis; B. A. Lyons, Ph.D. (Cornell)– physical biochemistry; NMR spectroscopic studies of signal transduction pathways in breast cancer; W. A. Maio, Ph.D. (Johns Hopkins)– organic chemistry; total synthesis of marine natural products and explorations of new chemical methods; M. R. Talipov, Ph.D. (Bashkir State)– theoretical physical chemistry; electronic structure calculations, ab initio calculations, density functional theory calculations; R. Tello-Aburto, Ph.D. (Iowa) - medicinal and natural products chemistry, asymmetric organic synthesis; P. Vincent-Ruz, Ph.D. (Pittsburgh) - chemistry education research, equity and justice, quantitative methods; C. J. Windorff, Ph.D. (UC-Irvine)- inorganic chemistry; organometallic f-element and transition metal chemistry, redox chemistry; E. T. Yukl, Ph.D. (Oregon Health and Science)– biochemistry; x-ray crystallography and spectroscopy of bacterial metalloproteins*