Department of Chemistry
2014-15 Accomplishments

1. Dr. Shiyue Fang promoted to Full Professor.
2. Dr. Ashutosh Tiwari promoted to Associate Professor with Tenure.
3. Successfully hired a new faculty member in Experimental Physical Chemistry, Dr. Kathryn Perrine, from UC-Irvine. Research area is in chemistry at interfaces, specializing in liquid/solid interactions on metal oxide surfaces.
4. Hired a new front office staff member, Ms. Charlene Page, as secretary and administrative assistant. Supporting general office activities and budget related work. Transferred from Academic Counseling Services.
5. Dr. Lynn Mazzoleni helped lead a successful collaborative NSF-MRI research proposal submission for a new Orbitrap Mass Spectrometer (~$500K).
6. Dr. Lynn Mazzoleni’s graduate student, Matt Brege, won a NASA Graduate Fellowship providing full support for one calendar year (>30K).
7. Dr. Lynn Mazzoleni is PI on two NSF grants; Supplemental Research at Pico Mountain Collection Station ($68K); Collaborative effort with Desert Research Institute ($115K).
8. Dr. Tarun Dam won Michigan Tech’s top teaching award in his category.
9. Dr. Marina Tanasova lead a collaborative REF-IE proposal resulting in the purchase of a $70K DNA Synthesizer.
10. Drs. Haiying Liu and Ashutosh Tiwari were awarded a NIH grant for ~$321K to study “Ratiometric Near-Infrared Fluorescent Probes for Lysosomal pH in Living Cells” ($321K).
11. Received an alumni donation of $62K to establish a Postdoctoral Research Position.
12. Procured ~$50K in new science equipment for our Undergraduate Teaching Labs.
13. Established and vetted a priority list for purchasing the next wave of science equipment for UG Teaching Labs, with an emphasis on dual use teaching & research, and will execute the purchases starting in October, 2015.
14. Sent a prioritized list of desired research equipment to Army Research Laboratory Director in charge of all facilities, i.e., the Associate Director for Laboratory Operations.
15. Supported attendance of seven faculty members plus myself to participate in the first Army Research Laboratory Open Campus Open House to begin developing research collaborations with their researchers.
16. Supported three faculty members plus myself to participate in the first ever US Army Medical Research & Materiel Command (MRMC) research opportunities meeting in DC. This meeting educated researchers and developers on the medical and life science technical needs of the DOD, and provided an opportunity for face-to-face dialogue with all the PM’s representing funded programs. Met numerous PMs.
17. Supported two faculty members to attend the annual US MRMC Medical Health System Research Symposium in Florida. Attended research talks and posters about the broad spectrum of medical and health science research supported across the DOD. Met several MRMC PMs.
18. Dr. Rudy Luck was selected by VPR to serve one year, AY16, as a Faculty Fellow to help institute acceptable Chemical Safety Guidelines, training and compliance procedures.