PhD and MS teaching/research assistantships in Environmental and Analytical Chemistry

**Our Program**
- NSF, NASA, NOAA, DOE, and NIH funded scientists to investigate global and regional environmental issues highly relevant to society
- Internationally recognized for outstanding research in biomass burning, environmental sensor development, and beyond
- Recent research includes: aircraft, ship, and ground-based field research in the Arctic, Bermuda, Nepal, Indonesia, Australia, and U.S.
- Many opportunities for student fellowships
- Strong faculty-student interactions

**About Missoula, MT**
- Lively city of about 70,000 surrounded by breathtaking mountain scenery
- Easy access to world-class outdoor recreation facilities: skiing, biking, kayak, fishing, hiking, climbing, and many more
- Cool art, culture, food, microbrewing
- Frequently ranked among the top places in the U.S. to live
- Close to Yellowstone and Glacier National Parks
- [https://youtu.be/jOxVwxviPtk](https://youtu.be/jOxVwxviPtk)

**About UM**
- 12,000 undergraduate and graduate students and 500+ faculty members
- “Top rated for combining academic quality and outdoor recreation, The University of Montana boasts one of the most scenic campuses in America.” *
- Excellent research reputation: Ranked nationally #122 in Chemistry, #78 in Earth Sciences; globally #81 in Environment/Ecology*

* U.S. News & World Report ranking
Mike DeGrandpre
http://hs.umt.edu/chemistry/people/default.php?s=DeGrandpre
Chemical sensor development for applications in aquatic chemistry, chemical limnology and oceanography

Lu Hu
http://hs.umt.edu/luhu/
Atmospheric chemistry, volatile organic compounds, source attribution of air pollutants, mass spectrometry, chemical transport model

Chris Palmer
http://hs.umt.edu/chemistry/people/faculty.php?s=Palmer
Development of materials for microscale analytical separations, separation and detection of compounds of environmental interest

Robert Yokelson
http://hs.umt.edu/chemistry/people/researchFaculty.php?s=Yokelson
Atmospheric chemistry, remote spectroscopic studies of biomass burning

Examples of Recent Student Research

- Wade Permar: Mass spectrum from smoke plume measurements using UM’s new mass spectrometer aboard the NSF C-130 airborne research lab, 2017 American Geophysical Union Fall Meeting presentation


Applications deadline is the 15th of December. Applicants are strongly encouraged to contact individual faculty to discuss research interests. More information at http://hs.umt.edu/chemistry/.