



JAMES MADISON
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Chemistry and Biochemistry Department Seminar

Friday, October 11, 2019

3:35pm in ISAT 159

Deciphering the code:
**How our cells recruit DNA repair
factors using the protein ubiquitin**

Dr. Patrick Lombardi

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DNA is the blueprint for making everything in our bodies. However, we all continuously experience DNA damage from both internal and external sources. We are able to preserve our genetic information because our cells are equipped with DNA repair machinery that detects and fixes this damage. Our group is interested in understanding how the cell's DNA repair machinery is targeted to damage sites. This talk will focus on how cells utilize the protein ubiquitin to recruit DNA repair factors, with emphasis on the experiments Mount St. Mary's students are conducting to characterize the protein-binding interactions that are essential for this process.