



## **NMR of Small Molecules Workshop, 2015**

The NMR Facility at Penn State University (<http://www.chem.psu.edu/directory/nuclear-magnetic-resonance-spectroscopy>) is proud to host our second year workshop for NMR of small molecules. Come! Join the scientists for presentations and technical discussions on NMR spectroscopy.

**The event is free!**

**Please register by contacting Dr Emmanuel Hatzakis, [euc15@psu.edu](mailto:euc15@psu.edu)**

**Date: Tuesday March 17, 2015**

**Time: 10:00 am to 5:00 pm**

**Location: 301A Chemistry building, University Park, PSU**

### **Agenda**

**10:00 am:** Opening and Morning Coffee

**10:15 – 11:00:** “Use of F2-Coupled HSQC Experiments and Computer-Assisted Structural Elucidation (CASE) Programs in Structural Determination Studies”

*Eugene Mazzola, Research Chemist and Adjunct Professor of Chemistry  
Univ. of Maryland- Food and Drug Administration (FDA) Joint Institute*

**11:00 – 11:30:** “The Sensitivity Advantages of Non-uniform Sampling: theorems and applications”

*David Rovnyak, Associate Professor  
Department of Chemistry, Bucknell University*

**11:30 – 12:00:** “The Role of NMR in Discovery Drug Metabolism: Practical Examples and Sensitivity Limits”

*Greg Walker, Senior Principal Scientist  
Pfizer, Inc*

**12:00- 12:30:** "Tips and Tricks to Obtain Ultra High Resolution NMR spectra"

*Krishnan Damodaran, Research Associate Professor, NMR Director  
University of Pittsburgh*

***12:30 – 13:15 Lunch break and tour in the PSU NMR Facility***

**13:15 – 14:00:** “Small Molecule Structure Characterization: New and Improved NMR Methods”

*Thomas Williamson, Director - NMR Lead*

*Merck & Co., Inc*

**14:00 – 14:30:** "Using Carbon Detected Experiments with Very High Resolution for More Complete Assignment of Fatty Acid Esters"

*Clark Ridge, Researcher*

*Food and Drug Administration (FDA)*

**14:30 – 15:00:** "Fun with Small Molecule Glycoconjugate NMR: Nucleosides to Glycopeptides"

*Joseph Barchi, Head, Structural Glycoconjugate Chemistry and NMR group,*

*Senior Scientist*

*Center for Cancer Research National Cancer Institute*

**15:00 – 17:00:** "NMR in Anisotropic Media and its Applications to the Structural Analysis of Small Molecules"

*Roberto Gil, Research Professor and NMR Director*

*Department of Chemistry, Carnegie Mellon University*





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