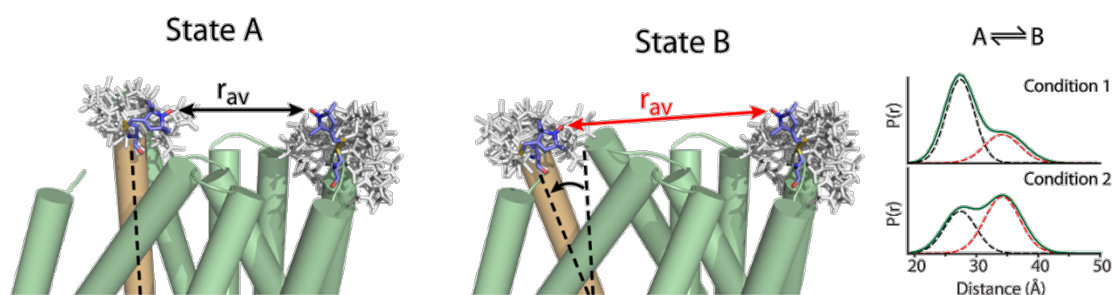


# INTRODUCTION TO DEER SPECTROSCOPY WORKSHOP

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Instructors: Eric Hustedt and Richard Stein

Double Electron-Electron Resonance is a pulsed EPR technique capable of routinely measuring 20 to 60 Å distance distributions between spin labels and distances over 100 Å have been measured. DEER is widely applicable in studies of the structure and functional dynamics of proteins, other biomolecules and their complexes.



**Have you ever wanted to measure long distances? This is your chance to learn.**

Monday, July 31, 2017

9:30 – 12:00 (appx.)

1:00 – 5:00 (appx.)

419-D Light Hall

Topics Include:

- 1) What is the DEER experiment?
- 2) Why can I learn from doing DEER?
- 3) What is needed to do DEER?
- 4) Collecting optimal DEER data.
- 5) Analyzing DEER Data.
- 6) Using DEER results to model structure/dynamics.

If you have questions or plan to attend,  
please email: [eric.hustedt@vanderbilt.edu](mailto:eric.hustedt@vanderbilt.edu)