



## Summer Undergraduate Research Program

A 10-week NSF funded summer undergraduate research experience is available in Dr. Michael Massiah's laboratory in the Department of Biochemistry at Oklahoma State University. He is looking for motivated individuals who are interested in learning current state-of-the-art biochemical techniques. His lab investigates the structure and function of Midline-1, a human protein that results in midline abnormalities in human when it is mutated. Students will learn how to clone a gene that codes for a domain of this protein using PCR, express the protein in bacteria, and purify it for structural studies. Students will also have the opportunity to learn how NMR spectroscopy is used to study protein structure, and will be exposed to basic biochemical technologies including PCR cyclers, mass spectrometry, SDS-PAGE, etc. No prior research experience is required although courses in chemistry and biology can be helpful. Please refer to the Department's website for additional information ([biochemistry.okstate.edu](http://biochemistry.okstate.edu)).

**How to apply:** Email a CV, a letter of inquiry, and names of two references to:  
[michael.massiah@okstate.edu](mailto:michael.massiah@okstate.edu)

**Deadline:** January 15<sup>th</sup>, 2009

**Stipend:** \$4,500 for the equivalent of 10 weeks (possible time frame: 05/15/09-08/15/09; negotiable). This 10 week summer program payment will be set up as monthly stipend.