

## **Postdoctoral position**

### **Morgan State University**

**Location:** Baltimore, Maryland

**Start Date:** March, 2012

**Duration:** 2 years

**Description:** One postdoctoral position is available. The Chemistry department has recently been awarded a Department of Defense grant to develop a library of near-infrared (NIR) fluorogenic dyes from microwave assisted synthesis techniques and to optimize these dyes for applications in various bioassays. Our research interests focus on the enhancement of microwave assisted synthesis techniques in order to quickly develop novel luminescent compounds for use in various applied spectroscopy applications including (FRET, FLIM, PCR, and metal enhanced immunoassays). We emphasize the use of research as a teaching tool to enhance the education of STEM undergraduates. An extensive background in organic synthesis is preferred. A working knowledge of fluorescence spectroscopy is a plus. The position is ideal for a candidate considering an academic career at a predominantly teaching institution.

**Background:** Morgan State University is a four year urban teaching university and traditional HBCU that has recently been granted research status. It now offers graduate programs in several of the STEM disciplines. The Morgan State Chemistry department contains state of the art research equipment and facilities that include a 400MHz NMR, research grade synthesis microwaves, and several fluorescence spectrophotometers (intensity and lifetime).

**The annual salary** for this position is \$35,000 (possibly more depending on experience level)

Please submit: CV, Brief description of research experience, contact information of three references

Persons to contact: Angela Winstead; Richard Williams

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