

*Curriculum Vitae*

## **Kalyani Telu**

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Environmental Science Division, Oak Ridge National Laboratory,  
PO BOX2008, MS6036, Oak Ridge, TN  
Ph: (865) 241-8245; [teluk@ornl.gov](mailto:teluk@ornl.gov)

### **Education:**

MS. Cell and Molecular Biology. 2006-2009. University of Delaware, DE

*Thesis title: Differential localization of mRNA using laser microdissection in the polarized hyphal tip of Fusarium oxysporum.*

B.S. Agriculture. 1999-2003. N.G. Ranga Agricultural University, Hyderabad, INDIA.

### **Research Interests:**

- Gene expression analysis of specific cells using laser capture microdissection.
- Preparation and imaging analysis to understand plant-microbe interactions.

### **Skills:**

- Adequate skills in cell and molecular biology such as protein expression (PCR, RT-PCR, Sequencing);
- Experience in bio-imaging (Confocal microscopy, Laser capture Micro Dissection, Cryo-sectioning and Embedding);
- Experience in tissue culture;
- Adept skills in using computers for data management (SAS).

### **Research Experience**

January 2010 – Current: **Post Masters Research Associate**, ORNL, Oak Ridge, TN.  
*Research Work is with Plant genomic group; Mentor: Dr. Udaya Kalluri.*

June 2009 – November 2009: **Research Scholar**, Univ. Tennessee, Knoxville, TN.  
*Research Work was at Dr. Neal Stewart Lab, Knoxville, TN.*

August 2006 – April 2009: **Teaching Assistant**, University of Delaware, Newark, DE.  
*Research Work was at Bio-imaging lab, DBI, Newark, DE.*

December 2005 – May 2006: **Research Assistant**, Bio-imaging lab, DBI, Newark, DE.

*Project: Imaging the interaction of Fusarium oxysporum with Arabidopsis plant roots using confocal microscopy*

March 2002 – July 2003: **Student-Intern**, Rural Work Experience Program (RAWEP), Regional Agricultural Research Station, Anakapalli, AP INDIA

**Teaching Experience:**

Biology Department at University of Delaware

2006 Fall, 2007 Fall, 2008 Spring – Introductory Biology lab (BISC 207)

2007 Spring - Introduction to Experimental Biology lab (BISC 316)

**Publications:**

Kalyani Telu., K.Czymmek, N. Donofrio, and B. Kingham. Differential localization of mRNA using laser microdissection in the polarized hyphal tip of fusarium oxysporum. Fungal Biology and Genetics. 2009 (In preparation).