

## **Bethany L. Yost**

**Permanent Address**  
1679 Thorpe Road  
Pasadena, MD 21122  
(410) 255-8073

**Temporary Address**  
7074 Duckett's Ln. 203  
Elkridge, MD 21227  
(410) 379-2918

### **EDUCATION**

**University of Maryland, Baltimore County**  
Bachelor of Science, Biological Sciences. May 1996  
Minor in Psychology

**Chesapeake High School, Pasadena, MD**  
June, 1991

### **EXPERIENCE**

**Johns Hopkins Medical School, Baltimore, MD**  
Head Laboratory Technician, Pulmonary Division  
David Jacoby, M.D., Principal Investigator.  
May, 1993 to present  
Investigation of neuronal inhibitory M<sub>2</sub> muscarinic receptor function and airway inflammation.  
Primary culture of post-ganglionic parasympathetic nerves from guinea pig airways (in press).  
Isolation and purification of M<sub>2</sub> receptor RNA and amplification by competitive PCR.  
Embedded whole lung tissue in paraffin, cut and prepared serial sections.  
Managed grant budget for laboratory.

### **SKILLS**

Laboratory animal experience including sensitization, viral infections, some surgery and harvesting of tissues for further study.  
Maintenance of primary and secondary cell culture.  
Molecular biology experience includes SDS-PAGE, RNA extraction, radiolabelling, and competitive PCR.  
Biochemical experience includes both saturation and competitive receptor binding studies, serial dilutions, ion exchange and gas chromatography, immunoprecipitation, ELISA, distillation and organic extractions.

### **ACTIVITIES**

President, Biology Council of Majors  
Tutor, Anne Arundel County Literacy Council  
Member, UMBC Ambassadors