

# Kenneth Frame

141 W 11<sup>th</sup> Ave • Columbus, OH 43201 • Cell: (216)403-2750 • kenframe@gmail.com

---

**Objective:**

Undergraduate molecular genetics student with extensive basic laboratory experience, applying to PhD programs with an emphasis on genetics and plant biology.

**Work Experience:**

September 2002 through September 2004

Cuyahoga County Public Library

4645 Mayfield Road

South Euclid, Ohio

44121

Page (part time):

Collects and files materials, performs basic clerical work, aids with setup for programs within the library.

June 2005 through September 2005

United States Geological Survey

6480 Doubletree Avenue,

Columbus, Ohio

43229

Summer Intern (part time):

Collects quality control water samples at Edgewater beach in Cleveland, Analyzes said samples in the laboratory for contaminants and turbidity, also serves as USGS contact in Cleveland for water resources projects; maintains said projects in Cleveland.

February 2006 through present (excluding March-July 2007)

Grotewold research lab

Dr. Erich Grotewold

206 Rightmire Hall,

1060 Carmack Road

Columbus, OH 43210

Undergraduate research assistant (part time):

General molecular biology laboratory work, including but not limited to the preparation of DNA preps, running gels, microparticle bombardment, PCR, etc. I am investigating the maize protein RIF-1 and its role in the transcription of anthocyanins, or red pigment cells.

March 2007 through July 2007

Bartels Laboratory

Prof. Dr. Dorothea Bartels

Kirschallee 1, D-53115 Bonn

Germany

Telephone: +49-228 73-2070

Research assistant (part time):

Assisted lab members with various lab tasks. Refined an assay for measuring levels of Malondialdehyde in *Arabidopsis Thaliana*.

**Publications:**

Hernandez JM, Feller A, Morohashi K, Frame K, Grotewold E.  
The basic helix loop helix domain of maize R links transcriptional regulation and histone modifications by recruitment of an EMSY-related factor.

Proc Natl Acad Sci U S A. 2007 Oct 23;104(43):17222-7. Epub 2007 Oct 15.

PMID: 17940002 [PubMed - in process]

Poustka F, Irani NG, Feller A, Lu Y, Pourcel L, Frame K, Grotewold E.

A Trafficking Pathway for Anthocyanins Overlaps with the Endoplasmic Reticulum-to-Vacuole Protein Sorting Route in Arabidopsis and Contributes to the Formation of Vacuolar Inclusions.

Plant Physiol. 2007 Oct 5; [Epub ahead of print]

PMID: 17921343 [PubMed - as supplied by publisher]

**Volunteer Work:**

Volunteered at Cleveland Clinic Foundation Biomedical Research Center under Dr. Anthony Calabrio (Summer 2004). Learned laboratory techniques, including preparation and usage of gel electrophoresis plates and acid assays.

**Education:**

Charles F. Brush High School  
4875 Glenlyn Road  
Lyndhurst, OH 44121  
Graduated June 2004  
Rank 9 of 353

The Ohio State University  
Columbus, Ohio 43210  
614-292-OHIO

Two majors, M.S. in molecular genetics, and M.A. in German. Anticipating graduation in June 2008 with honors and research distinction in molecular genetics, and with honors in German.

Senior standing with 218 quarter hours.

3.44 undergraduate GPA as of Autumn quarter 2008.

3.33 GPA in molecular genetics major as of Autumn quarter 2008.

**Additional Skills:**

Very computer literate, with good knowledge of Microsoft Office, Microsoft Windows 95-vista, and Mac OS X, as well as troubleshooting. Basic Linux knowledge.

Native speaker of English, fluent in German.

**Awards:**

Medalist Scholarship (4 years full tuition to OSU); Dean's Undergraduate Research Fund Mini-grant (\$300 for one quarter); Dean's List (3 quarters)

**Competitions:**

Participated in 2006 Denman Undergraduate Research Forum, 2006 College of Biological Sciences Undergraduate Research Colloquium

**Citizenship:**

U.S. Citizen