

# Drew Doering

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## EDUCATION

09/2009-12/2012      **Bachelor of Science, Biology**      Madison, WI  
University of Wisconsin-Madison  
Certificates in Environmental Studies and Leadership

**HONORS:** Dean's List, College of Agricultural and Life Sciences, UW-Madison: Spring 2012, Fall 2010

## RESEARCH EXPERIENCE

01/2012-08/2013      **Undergraduate Research Assistant**      Madison, WI  
University of Wisconsin-Madison, Dept. of Bacteriology, PI Dr. Cameron Currie  
Studied cellulose degradation of insect-associated and free-living bacteria.  
Determined the cellulolytic capacity of insect-associated and free-living bacteria  
in qualitative and quantitative screens of over 300 strains.

01/2010-12/2011      **Undergraduate Research Assistant**      Madison, WI  
University of Wisconsin-Madison, Dept. of Surgery, PI Dr. Jon Odorico  
Evaluated the expression of histocompatibility complexes and costimulatory  
molecules on human embryonic stem cell lines and pancreatic progenitors upon  
IFN $\gamma$  stimulation.

## WORK EXPERIENCE

06/2011-08/2011      **SOAR Peer Advisor**      Madison, WI  
College of Agricultural and Life Sciences, UW-Madison  
Helped all incoming CALS students choose schedules, signed them up for  
extracurriculars, and oriented them to life as a student at UW-Madison.

## SKILLS

Cell culture, flow cytometry, immunofluorescence microscopy, gel electrophoresis, sterile technique,  
spectroscopy, media/buffer preparation, collecting/analyzing data, preparing reports

## MANUSCRIPTS

Alexander WG, Doering DT, and Hittinger CT (2014) Highly efficient genome editing in *Saccharomyces*  
yeasts. In preparation.

Book AJ, Lewin GR, Doering DT, McDonald BR, Takasuka TE, Fox BG, and Currie CR (2014) Genus wide  
analysis of biomass deconstruction in *Streptomyces*. In preparation

## POSTERS

**Doering, D.T.**, D.C. Baiu, and J.S. Odorico. A Potential Treatment for Type I Diabetes Using Stem Cells  
and Pancreatic Precursors. Biology 152 Undergraduate Poster Symposium, Madison, WI (14 December  
2011).

Lewin G.R., Book A.J., McDonald B.R., **Doering D.T.**, Wagar M., Fox B.G., Currie C.R. A Phylogenetic-  
Based, Systems-Analysis of Biomass Degradation by *Streptomyces*. Great Lakes Bioenergy Research  
Center Annual Retreat, South Bend, IN (May 2013).

**Doering, D.T.**, G.R. Lewin, A.J. Book, and C.R. Currie. Isolation of Lignotoxin-Metabolizing Microbes from Leaf-cutter Ant Refuse Dumps. Great Lakes Bioenergy Research Center Annual Retreat, South Bend, IN (May 2013).

**EXTRACURRICULAR ACTIVITIES**

**Teacher**, UW Emerging Leaders Program

**Co-Chair**, UW Student Leadership Program

**Unit Volunteer**, American Family Children's Hospital