

## CURRICULUM VITAE

### ZACHARY J. DEBRUINE

Van Andel Institute Graduate School  
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Grand Rapids, MI 49503

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#### Education

- 2011-2015 B.S., Biochemistry and Molecular Biology (ASBMB Accredited),  
Hope College, Holland, MI (Minor, Music)  
2015- 1<sup>st</sup> year Ph.D. student, Cellular and Molecular Genetics,  
Van Andel Institute Graduate School, Grand Rapids, MI

#### Awards and Honors

- 2011-2015 Presidential Scholarship Award, Hope College  
Distinguished Artist Award, Hope College  
Ruth Haidt Hughes Memorial Organ Scholarship, Hope College  
Michigan Competitive Scholarship  
2011 REACH Summer Research Award, Hope College  
2013 Summer Research Program Award, Hope College  
2013-2015 Jaecker-Holleman Chemistry Scholarship, Hope College  
2014 Summer Research Program Award, Hope College

#### Research Experience

- 2011 High School Research Scholar, Hope College, Department of Chemistry  
(Moses Lee, Advisor)  
2011-2012 Undergraduate Research Student, Hope College, Department of Chemistry  
(Moses Lee, Advisor)  
2013-2015 Undergraduate Research Student, Hope College, Departments of  
Chemistry and Biology (Maria Burnatowska-Hledin, Advisor)  
2015 Student Intern, Van Andel Research Institute, Laboratory of Structural  
Biology and Biochemistry (Karsten Melcher, Advisor)  
2015 Graduate Rotation Student, Van Andel Research Institute, Laboratory of  
Cell Signaling and Carcinogenesis (Bart Williams, Advisor)  
2015 Graduate Rotation Student, Van Andel Research Institute, Laboratory of  
Biochemistry and Structural Biology (Karsten Melcher, Advisor)  
2016 Graduate Rotation Student, Van Andel Research Institute, Laboratory of  
Chromatin and Epigenetic Regulation (Scott Rothbart, Advisor)

#### Teaching Experience

- 2013-2014 TA, General Biology I  
2013-2014 Peer Help Session Leader and TA, Ecology and Evolutionary Biology  
2013 TA, Organismal Biology

2014 TA, Regional Flora and Fauna Laboratory  
2014 TA, Advanced Cell Biology Laboratory  
2014 Molecular Biology Private Tutor, Cardinal Scholar

### **Professional Memberships**

2011-2016 American Society for Biochemistry and Molecular Biology (ASBMB)

### **Oral Presentations**

August 2014, Hope College Department of Biology Summer Seminar, Holland, MI  
May 2014, Hope College Department of Chemistry Summer Seminar, Holland, MI  
March 2014, National Conference of Undergraduate Research, University of Kentucky,  
Lexington, KY  
July 2013, Hope College Department of Chemistry Summer Seminar, Holland, MI

### **Poster Presentations**

April 2015, American Society for Biochemistry and Molecular Biology Annual Meeting,  
Boston, MA  
April 2015, Hope College Celebration of Undergraduate Research, Holland, MI  
July 2014, Department of Chemistry Research Symposium, Hope College, Holland, MI  
November 2013, West Michigan Regional Undergraduate Science Research Conference,  
Grand Rapids, MI  
July 2013, Department of Chemistry Research Symposium, Hope College, Holland, MI  
April 2012, Hope College Celebration of Undergraduate Research, Holland, MI  
April 2012, Hope College Celebration of Undergraduate Research, Holland, MI  
July 2011, Department of Chemistry Research Symposium, Hope College, Holland, MI

### **Invited Presentations and Workshops**

May 2014	Black Swamp Bird Observatory	Cleveland, OH
May 2014	Tawas Point Birding Festival	East Tawas, MI
April 2013	Michigan Bird Conservation Initiative	Tustin, MI
January 2014	Muskegon Nature Club	Muskegon, MI
Dec 2013	Grand Rapids Audubon Society	Grand Rapids, MI
May 2013	MI Audubon Cerulean Warbler Festival	Hastings, MI
March 2013	Michigan Bird Conservation Initiative	Tustin, MI
March 2012	Michigan Bird Conservation Initiative	Tustin, MI