

Christopher Betzing

Title:

Student

Department:

Radiation Medicine

High School/University:

Lake Oswego High School, 2006-07; Oregon State University, 2007-2011

Interest and Accomplishments:

Christopher is from Lake Oswego, Oregon and is currently a pre-med student at [Oregon State University](#), majoring in [Radiation Health Physics](#) with a minor in Chemistry. He is a member of the Biophysics/Biochemistry and [Premed](#) Clubs; Dean's List/Honor Roll, [National Society of Collegiate Scholars Honor Society](#), [Alpha Lambda Delta Honor Society](#) and was accepted into OSU's Honors College. In addition, he was selected for the Oregon State University Waldo-Cummings Outstanding Student Awards for academic excellence/community service and achievement in 2008, 2009 and 2010.

Chris is the recipient of scholarships and academic awards from:

- Legacy Meridian Park Medical Auxiliary
- OSU Diversity and Leadership
- Portland Skyliner Tall Club
- Bonneville Power Administration Associates
- Pacific NW Federal Credit Union
- Powis Lee & Winifred Heitmeyer Science Scholarship (2008 & 2010)
- National Society of Collegiate Scholars National Merit Scholarship (1 of 50 Recipients – national competition)
- Guest speaker at OHSU Radiation Medicine sponsored Rubenstein Workshop (2008 & 2009)
- Betty Wang Memorial Scholarship for Outstanding Science Student - 2009
- Oregon State University Retirees Scholarship - 2010
- Waldo Cummings Outstanding Student (2008, 2009, 2010)
- Co-author of Research Paper entitled, "Treatment Planning in Stereotactic Body Radiation Therapy of Lung Cancer" submitted for published in the International Journal of Radiation Oncology * Biology * Physics.

Summer 2006: Christopher was selected as a research intern at Oregon Health Science University (OHSU) Hearing Research Center with [Dr. John Brigande](#) where he helped design an immunohistochemistry procedure that found a less expensive and time consuming way to detect cells infected with a particular strain of virus.

Summer 2007: While serving as a volunteer at OHSU, Chris performed comprehensive work shadowing within the Department of Radiation Medicine and worked directly with the physicians, technicians, therapists, physicist, on all aspects of cancer treatment, surgery, and patient care.

Summer 2008 to current: Selected as department Undergraduate College Research Associate within the Department of Radiation Medicine at OHSU. Chris recently completed a comprehensive research project with [Dr. Jianzhou Wu](#) that involved determining which of the techniques commonly used by physicians to define the tumor volume is the most accurate and gives the best tumor dose. Another project he worked on studied the effectiveness of gating on lung SBRT plans to see whether there was any major dose degradation and what factors would help predict the degradation so that they could be accounted for prior to treatment.

Future Plans: Upon graduation from OSU, Spring 2011, Christopher will be attending OHSU's Bioinformatics graduate program, Fall 2011. His plans are to obtain a MD/PHD and practice in the field of Radiation/Oncology.