**Carly Alana Bridge, ND­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_**

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**EDUCATION**

2005-2009 **Doctorate in Naturopathic Medicine**

Bastyr University, Kenmore, WA

2000-2004 **Bachelors of Science, Neurobiology**

University of Washington, Seattle, WA

**POSTGRADUATE TRAINING**

2009-2011 **Residency in Family Practice**

Council of Naturopathic Medical Education, affiliated with Bastyr University, Seattle, WA

**LICENSURE**

Washington State Department of Health: Naturopathic Physician, #NT60119385

**RESEARCH  EXPERIENCE**

2012-present Clinical Research Associate

Department of Neurological Surgery

Northwestern University Feinberg School of Medicine, Chicago, IL

2011-2012 Research Scientist II

Department of Pathology

University of Washington, Seattle, WA

* 1. Student Research Assistant

Bastyr University

Kenmore, WA

2001-2003 Student Research Assistant

Department of Pathology

University of Washington, Seattle, WA

**TEACHING EXPERIENCE**

2011 Supervising Physician, Gynecology Lab, Bastyr University, Kenmore, WA

2009-2010 Adjunct Clinical Resident Physician, Pediatrics Shift, Bastyr Center for Natural Health, Seattle, WA

**PEER-REVIEWED PUBLICATIONS**

1. K.R. Swanson, **C.A. Bridge**, J.D. Murray, E.C. Alvord, Jr.: Virtual and Real Brain Tumors: Using Mathematical Modeling to Quantify Glioma Growth and Invasion, *Journal of the Neurological Sciences;* 216(1):1-10, 2003. (Cited 205 times as of 1/21/2012 according to Google Scholar)
2. L.J. Standish, J. Novack, C.A. Wenner, **C.A. Bridge**, A. Nelson, M. Martzen, C. Torkelson. Breast cancer and the immune system, *Journal of the Society for Integrative Oncolog*y; 6(4):158-68, 2008.
3. [L.J. Standish](http://lib.bioinfo.pl/auth:Standish,LJ), [C.A. Wenner](http://lib.bioinfo.pl/auth:Wenner,CA), [E.S. Sweet](http://lib.bioinfo.pl/auth:Sweet,ES), [**C.A. Bridge**](http://lib.bioinfo.pl/auth:Bridge,C), [A. Nelson](http://lib.bioinfo.pl/auth:Nelson,A), M. Martzen, [J. Novack](http://lib.bioinfo.pl/auth:Novack,J), [C. Torkelson](http://lib.bioinfo.pl/auth:Torkelson,C):  Trametes versicolor Mushroom Immune Therapy in Breast Cancer*. Journal for the Society for Integrative Oncology*; 6(3) 122-128, 2008.
4. Neal ML, Trister AD, Cloke T, Sodt R, Ahn S, et al. Discriminating Survival Outcomes in Patients with Glioblastoma Using a Simulation-Based, Patient-Specific Response Metric. PLoS ONE 8(1): e51951. doi:10.1371/journal.pone.0051951
5. M.L. Neal, A.D. Trister, S. Ahn, **C.A. Bridge**, L. Guyman, J. Lange, A. Baldock, R. Rockne, M. Mrugala, J.K. Rockhill, A. Lai, T. Cloughesy, K.R. Swanson. Response classification based on a minimal model of glioblastoma growth is a prognostic factor for time to progression and survival. *Cancer Research;* 73(10) 2976-2986, 2013.
6. A. Baldock, R. Rockne, A. Boone, M. Neal, A. Hawkins-Daarud, **C.A. Bridge**, L. Guyman, A. D. Trister, M. Mrugala, J. K. Rockhill, K. R. Swanson. From Patient-Specific Mathematical Neuro-Oncology to Precision Medicine. *Frontiers in Molecular and Cellular Oncology;* 3: 62. Published online 2013 April 2. Prepublished online 2013 January 11. doi:  [10.3389/fonc.2013.00062](http://dx.doi.org/10.3389%2Ffonc.2013.00062)
7. J.E. Adair, B.C. Beard, S. K. Johnston, L. Guyman, A. Baldock, **C. A. Bridge,** A. Hawkins-Daarud, D Born, J.K. Rockhill, D.L. Silbergeld, M. Mrugala, R. Rockne, K.R. Swanson and H.P. Kiem. Biomathematical modeling to determine chemotherapy efficacy after hematopoietic stem cell gene therapy in poor-prognosis glioblastoma. (submitted)
8. A. Baldock, K. Yagle, D. Born, S. Ahn, A.D. Trister, M.L. Neal, S.K. Johnston, **C.A. Bridge**, D. Basanta, J. Scott, M. Mrugala, J.K. Rockhill, R. Rockne, K.R. Swanson. Invasion and Proliferation Kinetics in Enhancing Gliomas Predict IDH1 Mutation Status. (in final preparation).
9. A. Hawkins-Daarud, **C.A. Bridge**, E.C. Alvord, Jr., K. R. Swanson.  Combining a Mathematical Model and MR Imaging Characteristics to Predict the Course of an Untreated Glioblastoma: A Novel Case Study with Histopathological Validation (in final preparation).

**ABSTRACTS**

1. **C. A. Bridge**, E. C. Alvord, K. R. Swanson. “ Validation of a Mathematical Model for Brain Tumor Growth and Invasion: Serial Follow up of an Untreated Glioma”, American Association for the Advancement of Science, 2004 (Seattle, WA)
2. K. R. Swanson, H. Harpold, S. Nissen, **C.A. Bridge**, A. Lai, T. Cloughesy, E. C. Alvord, Jr. Monitoring the Effects of Treatment in Glioblastomas: Integrating Mathematical Modeling with Clinical Imaging. Society for Neuro-Oncology (Toronto, Canada), November 2004 -*Neuro-Oncology*, 6(4):369, 2004
3. A. Trister, B. Bot, A. Hawkins-Daarud, K. Fontes, **C.A. Bridge**, J. K. Rockhill, M. Mrugala, R. Rockne, E. Huang, K. R. Swanson. A novel patient-specific model of glioma growth kinetics elucidates underlying biology as measured by gene expression microarray. Markers in Cancer, October 11-13, 2012 (Hollywood, FL)
4. M.L. Neal, A.D. Trister, S. Ahn, **C.A. Bridge**, J. Lange, A. Baldock, R. Rockne, M. Mrugala, J.K. Rockhill, A. Lai, T. Cloughesy, K.R. Swanson. A response metric based on a minimal model of glioblastoma growth is prognostic for time to progression and overall survival.Society for Neuro-Oncology Annual Meeting, 2012 (Washington, DC).
5. S.K. Johnston, **C.A. Bridge**, R. Rockne, L. Guyman, A. Baldock, J. K. Rockhill, M. Mrugala, S. Adair, H-PP. Kiem, K. R. Swanson. Enabling the Detection of Treatment Benefit in Novel Therapeutic Studies through Patient-Specific Mathematical Modeling: Analysis of Chemoprotective Hematopoietic Stem Cell Gene Therapy in Human Glioblastomas. Annual Meeting of the Society for Neuro-Oncology, 2012 (Washington, DC)
6. A. Hawkins-Daarud, A. Baldock, **C.A. Bridge**, D. Corwin, J. Rockhill, M. Mrugala, R. Rockne, K. R. Swanson. Revealing the diffuse extent of gliomas to enable surgical and radiotherapy treatment design: Insights from a Patient-Specific Mathematical Model and an Untreated Glioblastoma. Annual Meeting of the Society for Neuro-Oncology, 2012 (Washington, DC)
7. A. Trister, B. Bot, K. Fontes, **C. A. Bridge**, J. K. Rockhill, M. Mrugala, R. Rockne, E. Huang, K. R. Swanson. A novel patient-specific model of glioma growth kinetics elucidates underlying biology as measured by gene expression microarray. Annual Meeting of the Society for Neuro-Oncology, 2012 (Washington, DC)
8. **C.A. Bridge**, A. Baldock, P. Kumthekar, P. Dilfer, S.K. Johnston, J.Jacobs, D. Corwin, L. Guyman, R. Rockne, A. Sonabend, M. Cloney, P. Canoll, K.R. Swanson “Characteristics of long-term survivors in glioblastoma” Annual Meeting of the Society for Neuro-Oncology, 2013 (San Francisco, CA)

**INVITED TALKS**  
2013 Northwestern Brain Tumor Institute Support Group, Northwestern University

2013 Northwestern Brain Tumor Institute Annual Retreat, Northwestern University

2011 *Pearls in Pediatric Dermatology,* Advanced Pediatrics Class, Bastyr University  
2010 *Top 10 Common Pediatric Conditions*, Advanced Pediatrics Class, Bastyr University  
2010 *Pearls in Pediatric Dermatology,* Pediatrics Club at Bastyr University  
  
**HONORS/AWARDS**  
2011    Junior League of Seattle Provisional of the Year  
2005    Silver Anniversary Scholarship, Bastyr University

2005 Research Training Grant, Bastyr University  
2005    Bastyr Honors at Entrance Award, Bastyr University  
2003    Mary Gates Research Training Grant Award Recipient, University of Washington

**PROFESSIONAL/COMMUNITY AFFILIATIONS**

Member, International Pediatric Integrative Medicine (IPIM) Network

Member, Naturopathic Physicians’ Research Network  
Member, Junior League of Chicago

Co-Chair of the Membership Satisfaction Committee

Associate Member, Robert H. Lurie Comprehensive Cancer Center

**ACADEMIC SERVICE**  
2009-2011 North American Board of Naturopathic Examiners, NPLEX exam question writer