

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
- 2005-2006 Research Assistant
Bastyr University
Kenmore, WA
- 2001-2003 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 Oncology*; 6(4):158-68, 2008.
3. L.J. Standish, C.A. Wenner, E.S. Sweet, **C.A. Bridge**, A. Nelson, M. Martzen, J. Novack, C. Torkelson: 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*; Prepublished online February 11, 2013; doi: 10.1158/0008-5472.CAN-12-3588
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](https://doi.org/10.3389/fonc.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)

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