Lisa Eidenschink Brodersen, Ph.D

Curriculum Vitae

Hematologics, INC. Seattle

Assistant Laboratory Director April 2011-present

Assistant director of the laboratory, performing flow cytometric analysis on bone marrows, peripheral bloods, cerebral spinal fluids and tissue specimens for diagnosis of hematologic malignancies.

Hematologics, INC. Seattle

Post- doctoral Scientist April 2009-April 2011

Training in hematopathology with a focus in flow cytometry and additional training in molecular analysis.

University of Washington, Seattle

Doctorate of Philosophy, Chemistry 2003-2009

Field of study: biophysical and organic chemistry

Dissertation title: Modeling Protein Interactions with Designed Peptides

University of Washington, Seattle

Masters of Science, Chemistry 2003-2005

Field of study: biophysical and organic chemistry

St. Olaf College, Northfield Minnesota

Bachelors of Arts 1999-2003

Majors: biology and chemistry

Publications

Eidenschink L, DiZerega G, Rodgers K, Bartlett M, Wells DA and Loken MR. "Basal levels of CD34 positive cells in peripheral blood differ between individuals and are stable for eighteen months." Cytometry B Clin Cytom *2011* Jul 8. doi: 10.1002/cyto.b.20611

Cutler JA, Wells DA, van de Loosdrecht AA, de Baca ME, Kalnoski MH, Zehentner BK, **Eidenschink L**, Ghirardelli KM, Sanford Biggerstaff J, Loken MR. "Phenotypic abnormalities strongly reflect genotype in patients with unexplained cytopenias." Cytometry B Clin Cytom *2011* May;80(3):150-7

Kier BL, Shu I, **Eidenschink L**, Andersen NH. "Stabilizing capping motif for beta-hairpins and sheets." Proc Natl Acad Sci USA. *2010* Jun 8;107(23):10466-71

Eidenschink, L Crabbe, E Andersen, NH. "Terminal side-chain packing of a designed beta-hairpin influences conformation and stability." Biopolymers. *2009* Jul;91(7):557-64

Constatino HR, Culley H, Chen L, Morri D, Houston M, Roth S, Phoenix MJ, Foerder C, Philo J, Tsutomu A, **Eidenschink L**, Andersen NH, Brandt G, Quay SC. "Development of Calcitonin Salmon Nasal Spray: Similarity of peptide formulated in chlorobutanol compared

to benzalkonium chloride as preservative." Journal of Pharmaceutical Sciences, *2009* Oct;98(10):3691-706.

Eidenschink L, Kier BL, Huggins K, Andersen NH. "Very short peptides with stable folds: building on the inter-relationship Trp/Trp, Trp/cation, and Trp/backbone-amide interaction geometries." Proteins: Structure, Function and Bioinformatics *2009* May 1;75(2):308-22

Andersen NH, Olsen KA, Fesinmeyer RM, Tan X, Hudson FM, **Eidenschink LA**, Farazi SR. "Minimization and optimization of designed beta-hairpin folds." Journal of the American Chemical Society *2006*, 128, 6101-6110.

Meeting Abstracts and Presentations

Cutler JA, Stolk TT, **Eidenschink L**, Wells DA, Loken MR. Flow Cytometric Analysis of Erythropoiesis: The Last Major Frontier. The 12th International Symposium on Myelodysplastic Syndromes 2011 Edinburgh, UK

Eidenschink, L; Kier, BL.; Andersen, N.H. "Determinants of fold stabilizing aromatic-aromatic interactiongeometries in short peptides." Adv Exp Med Biol. 2009;611:73-4.

Andersen, NH.; Fesinmeyer, RM.; Olsen KA.; **Eidenschink, LA**. "Beta-hairpin minimization and optimization." In *Understanding Biology Using Peptides (S.E. Blondelle, Ed.),* American Peptide Society **2006**, 541-543.

Horton, RA.; **Eidenschink, LA**.; Bagnato, J.D.; Ross, JBA.; Grissom, CB. "Characterization of thequenching of ribose-5'-fluorescent cobalamin derivatives." *Abstracts of Papers of the American Chemical Society* **2004**, 227.