

**Brandt P. Currier**

530S. Jackson Street, Suite C07

Louisville, KY, 40202

Office: (502) 852-5875

Fax: (502) 852-1754

E-Mail: [brandt.currier@Louisville.edu](mailto:brandt.currier@Louisville.edu)**EDUCATION**

2022-2023      Neuroradiology Fellowship, University of Louisville, Louisville, KY 40202  
 2016-2022      Diagnostic Radiology Residency, Surgical Internship, Long Beach, NJ  
 2016            M.D. St. George's University, School of Medicine, Saint George's Grenada  
 2010            B.S., Major: Biomedical Sciences Minor: Chemistry, Mount Pleasant, MI

**ACADEMIC APPOINTMENTS**

2023            Assistant Professor Department of Radiology  
                   University of Louisville  
                   Louisville, KY

**PUBLICATIONS****Manuscripts accepted for publication:**

Bang, H.J., Littrup, P. J., **Currier, B.P.**, Goodrich, D.J., Aoun, H.D., Heilbrun, L.K., Adam B.A. *Soft-tissue cryoablation in diffuse locations: feasibility and intermediate term outcomes.* JVIR 2013; 20;24(12):1875-25

Bang, H.J., Littrup, P. J., **Currier, B.P.**, Goodrich, D.J., Aoun, H.D., Klein, L.C., Kuo, J.C., Heilbrun, L.K., Gadgeel, S.G., Goodman, A.C. *Percutaneous cryoablation of metastatic lesions from non- small cell lung carcinoma: Initial survival, local control, and cost observations.* JVIR 2012; 23(6):761-9

Bang, H.J., Littrup, P. J., **Currier, B.P.**, Goodrich, D.J., Choi, M., Heilbrun, L.K., Goodman, A.C. *Percutaneous Cryotherapy of Metastatic Lesions from Colorectal Cancer: Efficacy and Feasibility with Survival and Cost-effectiveness Observations.* ISRN Minimally Invasive Surgery Volume 2012 (2012), Article ID 942364

Bang, H.J., Littrup, P.J., Goodrich, D.J., **Currier, B.P.**, Aoun, H.D., Heilbrun, L.K., Vaishampayan, U., Adam, B., Goodman, A.C. *Percutaneous Cryoablation of metastatic renal cell carcinoma for local tumor control: Improved patient survival and estimated cost-effectiveness.* JVIR 2012; 25;23(6):770-7

Littrup, P.J., Jallad, B., Vorugu, V., Littrup, G., **Currier, B.**, George, M., Herring, D. *Lethal isotherms of cryoablation in a phantom study: effects of heat load, probe size, and number.* J Vasc Interv Radiol 2009; 20:1343-51.  
 Accepted in 2009 to the Journal of Vascular and Interventional Radiology

**Abstracts presented/to be presented at national and international meetings:**

Bang, H.J., Littrup, P. J., **Currier, B.P.**, Goodrich, D.J., Klein, L.C., Kuo, J.C., Aoun, H., Adam, B. (2012) *Percutaneous Cryoablation of Metastatic Lesions from Non-Small Cell Lung Carcinoma: Initial Survival, Local Control, and Cost Observations.* Association of University Radiologists (AUR).

Bang, H.J., Littrup, P. J., **Currier, B.P.**, Goodrich, D.J., Kassem, M., Klein, L.C., Aoun, H.D., Adam, B. (2012). *Percutaneous Cryoablation of Metastatic Epithelial Ovarian Cancer for Local Tumor Control: Initial Cost and Survival Observations.* Clinical Interventional Oncology (CIO).

Bang, H.J., Littrup, P. J., **Currier, B.P.**, Goodrich, D.J., Kuo, J.C., Aoun, H., Adam, B. (2011) *Cryoablation of*

*metastatic lesions from non-small cell lung carcinoma: Initial survival and local control.* Annual Society of Interventional Radiology meeting (SIR).

Bang, H.J., Littrup, P.J., Klein, L.C., **Currier, B.P.**, Goodrich, D.J., Aoun, H.D., Adam, B. (2012) *Percutaneous Cryoablation of Osseous Lesions from Metastatic Disease: Local Control, Pain Palliation, and Survival Observations.* Clinical Interventional Oncology (CIO).

Bang, H.J., Littrup, P. J., Goodrich, D.J., D'Agostini, M.A., **Currier, B.P.**, Aoun, H., Adam, B. (2011) *Cryotherapy of Metastatic Lesions from Colorectal Cancer: Initial Cost and Survival Observations.* 2nd Place Scientific Trainee Prize at the Annual meeting for the Association of University Radiologists (AUR).

Bang, H.J., Littrup, P. J., Goodrich, D.J., D'Agostini, M.A., **Currier, B.P.**, Aoun, H., Adam, B., *Cryoablation of metastatic renal cell carcinoma for local tumor control: Improved patient survival and estimated cost-effectiveness.* Annual meeting for World Conference on Interventional Oncology (WCIO) (2011).

Bang, H.J., Littrup, P. J., Goodrich, D.J., D'Agostini, M.A., **Currier, B.P.**, Aoun, H., Adam, B., Vaishampayan, U., Heilbrun, L., Goodman, A. (2011) *Cryoablation of Metastatic Renal Cell Cancer for Local Tumor Control: Improved Patient Survival and Estimated Cost- Effectiveness.* Annual meeting for Michigan Radiology Society (MRS) 2011. Top 5 poster and featured oral presentation. Winner of the research award at the 2011 Michigan Radiological Society Hickey Lecture.

Bang, H.J., Littrup, P. J., Goodrich, D.J., D'Agostini, M.A., **Currier, B.P.**, Aoun, H., Adam, B., (2011) *Cryoablation for local control and improved patient survival with metastatic colorectal cancer.* Annual meeting for the Clinical Interventional Oncology (CIO). Awarded Best Abstract / Awarded Best Poster / Featured Oral Presentation.

Bang, H.J., Littrup, P. J., Goodrich, D.J., D'Agostini, M.A., **Currier, B.P.**, Aoun, H., Adam, B. (2010) *Cryoablation for local control and improved patient survival with metastatic renal cell carcinoma.* Radiological Society of North America (RSNA).

## Research

### Karmanos Cancer Institute

Detroit, MI

*Radiology and Oncology Research Associate:* (June 2005 – August 2007, May 2010 - present)

Observe the effects of cryoablation by conducting experiments to reveal the isothermal properties of ice-ball formation. Use gelatin phantoms to represent human tissue, identify the internal temperature of ice formation in order to improve cryoablation in a clinical setting. Investigate the effectiveness of percutaneous cryoablation procedures. Duties included managing research papers to be submitted for publication, abstracts to be submitted for presentation at radiology conferences, grant proposals, PowerPoint presentations exhibiting the research performed, and data analysis. These tasks were completed on a volunteer basis before being hired on as a full time research assistant.

## Student Activities/Affiliations

### Laboratory Investigator

Lab Assistant for Dr. Philip Hertzler, Central Michigan University, June 2009- August 2010

Served my first year as the assistant of a graduate student in the cloning and sequencing of genes in malacostracans (shrimp). In the second year, I served as the student investigator and successfully cloned and sequenced the gene "engrailed" in the species *Penaeus japonicus*.

## Awards

Roger L. Gonda Research Award Recipient

- *Percutaneous Cryoablation of Metastatic Ovarian Cancer for Local Tumor Control: Improved Patient Survival and Estimated Cost-Effectiveness*

2<sup>nd</sup> place poster presentation and the Clinical Interventional Oncology Symposium (CIO) 2012

- *Percutaneous Cryoablation of Metastatic Ovarian Cancer for Local Tumor Control: Improved Patient Survival and Estimated Cost-Effectiveness*

2<sup>nd</sup> place presentation at the Association of University Radiologists (AUR 2012)

- *Percutaneous cryoablation of metastatic lesions from non-small cell lung carcinoma: Initial survival, local control, and cost observations*

Best Abstract/Best Poster/Featured Oral Presentation at Clinical Interventional Oncology (CIO) 2011

- *Cryoablation of metastatic lesions from colorectal cancer: Initial cost and survival observations*

Hickey Lecture Research Presentation at Michigan Radiology Society (MRS-RFS) 2011

- *Cryoablation of Metastatic Renal Cell Cancer for Local Tumor Control: Improved Patient Survival and Estimated Cost- Effectiveness*

Top 5 Poster/Featured Oral Presentation at Michigan Radiology Society (MRS-RFS) 2011 annual meeting

- *Cryoablation of Metastatic Renal Cell Cancer for Local Tumor Control: Improved Patient Survival and Estimated Cost- Effectiveness*

2nd Place for the Scientific Trainee Prize at Association of University Radiologists (AUR) 2011

- *"Cryoablation of Metastatic Lesions from Colorectal Cancer: Initial Cost and Survival Observations"*

#### **Other Notable Accomplishments and Works President's**

##### **Honors List**

Spring/Summer 2007

##### **Dean's Honors List**

Fall 2008

#### **Relevant College-Level Courses**

Organic Chemistry, Biochemistry, Inorganic Chemistry, Quantitative Chemistry, Immunology, Microbiology, Genetics, Molecular Genetics, Molecular Biology, Developmental Biology, Physics.

#### **Medical Courses Completed**

Biochemistry, Anatomy, Histology, Medical Ethics, Community and Preventative Medicine, Physiology, Neuroscience, Immunology, Genetics, Nutrition, Psychology, Clinical and Physical Diagnosis, Microbiology, Pathology