
BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. **DO NOT EXCEED FIVE PAGES.**

NAME: Jennifer A. Stone MSOM, LAc.

eRA COMMONS USER NAME (credential, e.g., agency login): jemeador

POSITION TITLE: Clinical Acupuncturist, East West Acupuncture Inc., Adjunct Faculty, Indiana University School of Medicine

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Ithaca College, Ithaca, NY	Bachelors	1988	Liberal Arts
Midwest College of Oriental Medicine, Chicago, IL	Masters Science of Oriental Medicine	1991	Acupuncture, Chinese Herbs
Indiana University, Bloomington, IN	Continuing Education	2005-2008	Pre-Med Sciences

A. Personal Statement

My role in this project is that of a Co-PI. This pilot project will provide preliminary data that will lay the foundation for a future NIH proposal designed to examine the efficacy of acupuncture as a non-pharmaceutical option for preventing and treating painful CIPN, and possible mechanisms behind the effects. This line of research falls directly within the National Center for Complementary and Integrative Health's and the National Cancer Institute's areas of high program priority and has the potential to improve the management of a debilitating and dose-limiting side effect of chemotherapy in cancer patients. Additionally, results of this research can be used to help inform IU Health Cancer providers on the use of nonpharmacologic strategies for pain management, which meets the revised standards of the Joint Commission PC.01.02.07. My training in Chinese Medicine and my 25 years of clinic experience provide me with valuable empirical evidence that can be tested in a research setting. My research interests include acupuncture as an adjunct in the cancer setting for the palliation of symptoms associated with cancer treatments. I have published 3 papers and a book chapter on the use of acupuncture in the oncology setting and possible mechanisms behind the effects. Specifically I am interested in peripheral nerve pain and I have conducted research on acupuncture for the treatment of post-herpetic neuralgia, I have published 2 papers on my findings. Given the expertise of our research team, I believe we have the ability to successfully conduct the proposed research study and to submit a highly competitive NIH application to investigate the efficacy and biological effects of acupuncture in cancer patients at risk for painful CIPN.

B. Positions and Employment

Positions and Employment

1997-1998	Consultant, Clinical Acupuncturist, Community Hospital Center for Integrative Medicine, Indianapolis IN
1998-2001	Consultant, Clinical Acupuncturist, Center for Integrative Medicine at Columbus Regional Hospital, Columbus IN

1995-2005	Instructor, Oriental Medicine, IUPUI Advanced Studies Program, Indianapolis IN
2004-2005	Consultant, Clinical Acupuncturist, Central Indiana Cancer Centers/US Oncology; Indianapolis IN
2003-2012	Clinical Acupuncturist/Research, Bloomington Hospital's Advanced Pain Center, Bloomington IN
2011-2014	Editor in Chief, The American Acupuncturist, Washington, DC
2000-2015	Adjunct Faculty/Research, Indiana University School of Medicine, Department of Radiation Oncology, Indianapolis IN
2013-Present	Visiting Faculty, Research Module and Clinic, DAOM program, Oregon College of Oriental Medicine, Portland OR
2014-Present	Editor in Chief, Meridians: The Journal of Acupuncture and Oriental Medicine, Sacramento, CA
2015-Present	Visiting Faculty, Faculty Research Training, Pacific College of Oriental Medicine, Chicago, IL
2015-Present	Assistant Research Professor, Indiana University School of Medicine, Department of Anesthesia
1991-Present	Clinical Acupuncturist, Owner, East West Acupuncture Inc. Bloomington, IN

Other Experience and Professional Memberships

1992-Present	Diplomat in Acupuncture; National Commission for the Certification of Acupuncture (NCCA) [now NCCAOM]
1992-Present	Founder; Lobbyist; Indiana Association of Acupuncture and Oriental Medicine (IAAOM), Indianapolis, IN
1992-Present	Member; American Association of Acupuncture and Oriental Medicine, CA
1999-2005	Board Member; Acupuncture Task Force of the Medical Licensing Board, Indianapolis, IN
2008-Present	Member; Society of Integrative Oncology
2009-2011	Member; Faculty Learning Community on the Scholarship of Teaching in the Health Professions, Indiana University School of Medicine
2010-Present	President, Indiana Association of Acupuncture and Oriental Medicine
2010-Present	Member; American Society of Acupuncturists
2010-2011	Planning Chair, AAAOM National Research Conference
2012-Present	Member; Society of Acupuncture Research

Honors

1999-Present	Gubernatorial Appointee to the Acupuncture Task Force of the Medical Licensing Board, Indianapolis, IN
2014-Present	Research Committee Member, National Commission for the Certification of Acupuncture and Oriental Medicine (NCCAOM)
2015-Present	Recertification Committee Member, NCCAOM

C. Contributions to Science

1. **Treatment of Post-herpetic neuralgia using dermatome associated acupuncture.** Given the lack of evidence to support the use of pharmaceutical therapies for PHN pain, and need for nonpharmacologic strategies for pain management, my team at the IU Health Bloomington Pain Center examined the use of innovative treatment strategy for PHN pain. Findings from our research support the use of dermatome associated acupuncture as a treatment for PHN pain.
 - a. **Stone JA**, Successful Treatment of Postherpetic Neuralgia Using Dermatome Associated Acupuncture, *Meridians:JAOM*, Vol 1(1)2014: pgs14-17
 - b. **Stone JAM**, Johnstone PAS, Gettelfinger G, Treatment of 13 Patients with Post-Herpetic Neuralgia using Acupuncture, *Journal of the Society for Integrative Oncology*, Vol 8, No 4 (Fall), 2010: pp 000-124

-
2. **Mechanisms of action for acupuncture in the oncology setting.** Although further evidence is needed, existing studies examining the effectiveness of acupuncture for symptoms associated with cancer treatments show promising results. Examples include chemotherapy-induced peripheral neuropathy, nausea and vomiting associated with chemotherapy, xerostomia, chemotherapy-induced fatigue, neutropenia, and leucopenia. Though acupuncture is emerging as a safe and valid treatment option for the symptoms associated with cancer therapies little is known about the mechanisms behind the results. At IUSM Simon Cancer Center, we (Mentor: Johnstone PA, co-I **Otte J**) completed a study on the use of acupuncture for sleep disturbances and hot flashes in post-menopausal breast cancer patients and possible mechanisms behind the effects. These findings are significant because an improved understanding of acupuncture's mechanisms will inform cancer providers on adjunctive nonpharmacologic therapeutic strategies aimed at reducing symptoms associated with cancer treatments.
- a. **Stone JA, Johnstone PA**, Greene S, Acupuncture for the Treatment of Symptoms Associated with Radiation Therapy, *Acupuncture and Moxibustion as an Evidence Based Therapy for Cancer*, Springer Publishing, Germany. Volume 3, 2012, pp 183-197
 - b. **Stone JA, Johnstone PA**, Mechanisms of Action for Acupuncture in the Oncology Setting, *Current Treatment Options in Oncology*, 2010, DOI 10.1007/s11864-010-0128-y
 - c. **Otte J**, Carpenter J, Zhong X, **Johnstone PA**, Feasibility Study of Acupuncture for Reducing Sleep Disturbances and Hot Flashes in Post-Menopausal Breast Cancer Survivors. *Clin Nurse Spec*. 2011 Sep; 25(5): 228–236. doi: 10.1097/NUR.0b013e318229950b PMID: PMC3292187, NIHMSID: NIHMS312317
3. **Acupuncture for Low Back Pain: A Systematic Review of Randomized Controlled Trials.** Low back pain (LBP) is a major health problem, having a substantial effect on people's quality of life and placing a significant economic burden on healthcare systems. Despite the fact that low back pain is of an important impact in general health care, this pain condition is often treated insufficiently. Poor efficiency has led to the necessity of guidelines addressing evidence-based strategies for treatment of LBP. The Washington State Bureau of Labor and Industries required that evidence in the form of a systematic review was needed to inform policy makers on the treatment of LBP with acupuncture. We (Lisa Taylor Swanson co-PI) conducted a systematic review of acupuncture for low back pain in adults. Eighteen out of 948 papers met all inclusion criteria and reviewed using the criteria set forth in the Consolidated Standards of Reporting Trials (CONSORT) and Standards for Reporting Interventions in Clinical Trials of Acupuncture (STRICTA) checklists. Data was analyzed and presented to the Bureau of Labor and Industries September, 2016.
- a. Taylor-Swanson, **Stone JA**, Kingsley Gale M, Acupuncture for Low Back Pain: A Systematic Review of Randomized Controlled Trials. Presented to the Washington State Bureau of Labor and Industries, September 30, 2016. Full manuscript in process.

D. Research Support

None