

### 1. Personal Information

<b>First Name</b>	Richard
<b>Last Name</b>	Harris
<b>Affiliation</b>	University of California at Irvine
<b>Country</b>	USA
<b>Department</b>	Susan Samueli Integrative Health Institute
<b>Degree (Ph.D. / M.D.)</b>	PhD
<b>E-Mail</b>	richareh@hs.uci.edu

### 2. Curriculum Vitae

#### ◆ Educational Background & Experience

Year	Affiliation	Position
2023	University of California at Irvine	Professor and Endowed Chair
2021	University of Michigan	Professor
2002	Maryland Institute of TCM	LAc
1998	University of California at Berkeley	PhD
1992	Purdue University	BS

#### ◆ Publications

No.	Contents
1	Napadow V, <b>Harris RE</b> , Helmer KG. Birth of the Topological Atlas and Repository for Acupoint Research. J Integr Complement Med. 2023 Dec;29(12):769-773. PMID: 37943513
2	Mawla I, Ichesco E, Zöllner HJ, Edden RAE, Chenevert T, Buchtel H, Bretz MD, Sloan H, Kaplan CM, Harte SE, Mashour GA, Clauw DJ, Napadow V, <b>Harris RE</b> . Greater Somatosensory Afference With Acupuncture Increases Primary Somatosensory Connectivity and Alleviates Fibromyalgia Pain via Insular gamma-Aminobutyric Acid: A Randomized Neuroimaging Trial. Arthritis Rheumatol. 2021 Jul;73(7):1318-1328. PMID: 33314799
3	Wang Y, Wang DD, Pucka AQ, O'Brien ARW, Harte SE, <b>Harris RE</b> . Differential clinical characteristics across traditional Chinese medicine (TCM) Syndromes in patients with sickle cell disease. Front Pain Res (Lausanne). 2024 Jan 5;4:1233293. PMID: 38249565

4	<p><b>Harris RE</b>, Zubieta JK, Scott DJ, Napadow V, Gracely RH, Clauw DJ.          Traditional Chinese acupuncture and placebo (sham) acupuncture are differentiated by their effects on mu-opioid receptors (MORs).  <i>Neuroimage</i>. 2009 Sep;47(3):1077-85. PMID: 19501658</p>
5	<p>Mawla I, Huang Z, Kaplan CM, Ichesco E, Waller N, Larkin TE, Zöllner HJ, Edden RAE, Harte SE, Clauw DJ, Mashour GA, Napadow V, <b>Harris RE</b>.          Large-scale momentary brain co-activation patterns are associated with hyperalgesia and mediate focal neurochemistry and cross-network functional connectivity in fibromyalgia.  <i>Pain</i>. 2023 Dec 1;164(12):2737-2748. PMID: 37751539</p>

### 3. Abstract

Lecture Title	Topological Atlas and Repository for Acupoint Research (TARA)
<p>Acupuncture is a millennia-old therapy, which is increasingly being integrated in conventional care for the treatment of a range of conditions. A critical component of acupuncture therapy is the existence of <i>specific</i> locations across the body surface where inserting and manipulating a needle can engender salubrious, clinically beneficial effects. These locations are termed acupuncture points, or acupoints, and have been the source of great controversy for the acupuncture research field. Lack of clarity on the biological basis of acupoints has greatly hindered their more widespread integration into clinical care. Indeed, a comprehensive understanding of the anatomy and physiology of acupoints continues to elude researchers in this field. This talk will focus on the <b>Topological Atlas and Repository for Acupoint research (TARA)</b> which may be an invaluable Research Resource Center for the acupuncture research community to investigate acupoints. TARA incorporates 1) an acupoint ontology using both traditional and modern nomenclature systems, 2) a male and female standardized human body atlas with 3D coordinate system based on a common origin reference point, and 3) an easily searchable database, curated by an expert-committee, that includes previously published physiological data associated with acupoint stimulation. TARA is supported by the Society for Acupuncture Research, the leading international academic acupuncture research organization, ensuring broad outreach to acupuncture research communities worldwide. We hope the TARA portal will form an invaluable Research Resource Center for the acupuncture research community by strengthening the biological basis of acupoints, facilitating acupuncture integration into clinical care.</p>	