

CURRICULUM VITAE

Stephen P. Henry, PhD

CURRENT TITLES

Houston Community College (HCC) Biology Professor (2018-), Department of Life Sciences. Adjunct Biology Professor, Department of Health and Natural Sciences, Lone star College-Tomball (2015-); AP Biology Rater (Summer 2017-2022)

PREVIOUS TITLE and AFFILIATION

Instructor, Department of Endocrine Neoplasia and Hormonal Diseases, University of Texas MD Anderson Cancer Center (MDACC)

CITIZENSHIP

United States

EDUCATION

Bachelors, Washington University, St. Louis, Missouri, B.A., 1995

Master of Science, University of Texas Graduate School, Houston, Texas, M.S., 1999
Mentor, Ramiro Ramirez-Solis PhD, “*Fibromodulin-null mice have abnormal collagen fibril formation in the Achilles’ tendon and tail*”

Doctorate, University of Texas Graduate School at MD Anderson Cancer Center, Houston, Texas, PhD, 2003 Mentor, Magnus Hook PhD, “*Identification and Expression Pattern of Asporin, A newly discovered member of the Small Leucine Repeat Proteoglycan family*”

PREVIOUS ACADEMIC APPOINTMENTS

Instructor, Department of Endocrine Neoplasia and Hormonal Disorders, MDACC, 2012- Dec 2013, Lab of Robert F. Gagel, M.D.

Postdoctoral Fellow, Department of Genetics, MDACC, 2004-2012, Mentor, Benoit de Crombrughe, M.D.

TEACHING

HCC: Genetics BIOL 2416, BIOL 1407 BIOL II for Majors, BIOL 1306 Lecture Intro Majors; BIOL 1308 Biology Non-Majors; BIOL 2101 and 2102 (A&P I & II Labs); BIOL 2301 and 2302 (A&P I & II Lecture); BIOL 1106 Lab Intro Majors.

Lone star: Started 2015: Hybrid A&P I and II (BIOL 2401, 2402). Previously taught 1406, 2401, 2402 in face-to-face format.

Mentored and trained graduate students and technical staff at MD Anderson in the Departments of Genetics and Department of Endocrine Neoplasia & Hormonal Disorders (2006-2012) in laboratory procedures for basic research and mouse dissections; copy-edited their scientific manuscripts prior to publication; and improved their posters/oral presentations for international scientific conferences.

PROFESSIONAL DEVELOPMENT

HCC Biology Department Committees

Genetics Subcommittee co-chair

Biology Subcommittee member

Anatomy & Physiology Subcommittee member

Education Certifications: HCC Online Teaching Certification (HCC, 2020); Canvas LMS (HCC, 2018); Open Education Resource (OER) @ HCC; Lone star College Online Teaching Certification with Brightspace LMS or D2L (Lone star, 2017); Quality Matters Online Teaching Lone Star College (2020).

Homework online homework portals: Experience with McGraw Hill Connect, Pearson MyLab and Mastering, TopHat, Pivot Interactives, Labster, MacMillan Learning, Sapling, WileyPlus, and Bluedoor.

Classes: Microsoft X Office Suite, Adobe Photoshop, Prezi, and Advanced Excel. Trained to use Virtual Reality lab at HCC Central campus. Ally training for ADA compliance. Graduated from HCC Adjunct Academy.

SERVICE

HCC Rigor Committee (2020-2021)

HCC Faculty Senate Chair and Organizer of Faculty Spring Retreat, Galveston May 2022

HCC Faculty Senate Professional Development Secretary (2020-2022)

HCC Faculty Senator (Life and Natural Sciences) 2020-2022

HCC Faculty Senator (At large) 2019-2020

HCC Faculty Senate Committee member: HCC Faculty Conference (2019-), Professional Development (2019-), Bedichek-Orman Auction (2018-), Faculty Spring Retreat (2018-), and Adjunct Caucus (2017-2021).

Facilitator HCC Faculty Retreat 2018 and 2019, Galveston, TX

Volunteer at Annual HCC Bedichek-Orman November 2017 & 2018 as an Auction 'spotter,' since I graciously accepted their travel grant.

Volunteered as science fair judge representing HCC

Volunteered Lone star Reg Fest to encourage early bird student registration

Participated in Lone star Student Excellence Award nomination and ceremony

TEACHING CONFERENCES

TopHat Engage Conference, Austin, Texas (2022)
TCCTA Convention Attendee, Frisco, Texas (2022)
SABER West Biology Education Conference (Society for the Advancement of Biology Education Research) 2021 - Virtual
Texas Community College Teaching Association (TCCTA 2021) Annual Convention - Virtual
TCCTA Great Teachers Round Up - Virtual
TCCTA 2020 Annual Convention, Frisco TX
TCCTA Central campus representative 2022
Attendee Open Education Conference 2019, Phoenix, Arizona
Creator at OpenStax Creator Fest April 2019 (revised and submitted *Anatomy & Physiology OpenStax Neural Tissue PowerPoint during 4-day event*)
Attendee and Volunteer registration table - HCC Faculty Conference 2019
Attendee Biology sections - Houston 2019 TCCTA conference
Co-Chair 2019 TCCTA conference for American Association of Adjunct Educators
Attendee Open Education Conference 2018, Niagara Falls, New York
HCC Faculty Conference February 2018 (presenter- '*Plickers and Kahoots, tools for in-class formative assessment*')
Creator for OpenStax Creator Fest April 2018 (presented *Anatomy & Physiology Urinary chapter revised at 3-day event*)
Attended March 2018 TCCTA convention Frisco, TX. Nominated to co-chair 2019 American Association of Adjunct Educators at TCCTA Houston

AWARDS

Faculty Fellow TCCTA representing HCC 2020-2021
Adjunct Faculty of the Year 2020-2021 Health Science Center Excellence Award Lonestar College
Awarded a competitive three-year Fellowship from Arthritis Foundation for \$180,000 for 3 years of training, 10/01/05-10/01/08
Best Poster award, 2013, President Select award at American Society of Matrix Biology (ASBMR, Baltimore)
Best Master's Thesis, Poster Award, University of Texas Graduate School (GSBS), 1999
Travel Award, 2009, American Society for Matrix Biology Meeting (ASBMR), Abstract chosen for Oral Presentation.

Second place poster winner in Rolanette and Berdon Lawrence Bone Disease Program of Texas, 2010

Grant application finalist for Rolanette and Berdon Lawrence Bone Disease Program Award

RESEARCH

Training fellow for the National Institutes Health (NIH) Training grant (T32) in the Department of Cancer Genetics, University of Texas MD Anderson for Gigi Lozano, PhD, 10/01/04-10/01/05

Awarded a competitive three-year Fellowship from Arthritis Foundation for \$180,000 for 3 years of training, 10/01/05-10/01/08

Training fellow for the National Institutes Health (NIH) Training grant (T32) in the Department of Rheumatology, University of Texas Health Science Center for John Reveille, MD, 10/01/08- 10-30-11

PATENT Uses of DNA sequence for gene Asporin and recombinant protein, patent filed 2005

PUBLICATIONS:

Zhou X, von der Mark K, **Henry S**, Norton W, Adams H, de Crombrughe B. PLoS Genetics. 2014 Dec 4;10(12): e1004820. 2014 Dec.PMID:25474590

[Chondrocytes Transdifferentiate into Osteoblasts in Endochondral Bone during Development, Postnatal Growth and Fracture Healing in Mice.](#)

Henry SP, Liang S, Akdemir KC, de Crombrughe B. J Bone Miner Res. 2012 Dec;27(12):2511-25. doi: 10.1002/jbmr.1696. PMID: 22777888
The postnatal role of Sox9 in cartilage.

Dancer JY, **Henry SP**, Bondaruk J, Lee S, Ayala AG, de Crombrughe B, Czerniak B. Expression of master regulatory genes controlling skeletal development in benign cartilage and bone forming tumors. Hum Pathol. 41(12): p. 1788-93. 2010

Nuka S*, Zhou W*, **Henry SP***, Gendron CM, Schultz JB, Shinomura T, Johnson, Wang Y, Keene DR, Ramirez-Solis R, Behringer RR, Young MF, Hook M. Phenotypic characterization of epiphycan-deficient and epiphycan/biglycan double-deficient mice. 2010. Osteoarthritis Cartilage 18:88-96.

* contributed equally to work

Henry SP, Jang CW, Deng JM, Zhang Z, Behringer RR, de Crombrughe B. 2009. Generation of aggrecan-CreERT2 knockin mice for inducible Cre activity in adult cartilage. *Genesis* 47:805-814.

Takanosu M, Boyd TC, Le Goff M, **Henry SP**, Zhang Y, Bishop PN, Mayne R. 2001. Structure, chromosomal location, and tissue-specific expression of the mouse opticin gene. *Invest Ophthalmol Vis Sci* 42:2202-2210.

Henry SP, Takanosu M, Boyd TC, Mayne PM, Eberspaecher H, Zhou W, de Crombrughe B, Hook M, Mayne R. 2001. Expression pattern and gene characterization of aspirin- a newly discovered member of the leucine-rich repeat protein family. *J Biol Chem* 276:12212-12221.

EDITORIAL AND REVIEW ACTIVITIES

Content Editor, Cengage Anatomy Textbook

Reviewed manuscripts for *Nature Genetics*, *Cell Stem Cell*, *Genes and Development*, *Journal of Biological Chemistry*, and *Matrix Biology*.

SCIENTIFIC CONFERENCES AND SYMPOSIUM

Meeting of American Society for Matrix Biology, Saint Louis, Mo, Oral Presentation 2000, “Characterization of the PRELP gene”

Cartilage Gordon Conference, Il Ciocco, Italy, 2005

Poster at OARSI (Osteoarthritis Research Society International), Ft. Lauderdale, Florida, 2007 “Sox9 in the Joints.”

Poster at Cartilage Gordon Conference, Ventura California, 2007 “Sox9 deletion in the joint with gdf5-cre driver mouse.”

Meeting of American Society for Matrix Biology, San Diego, California, 2008, Abstract chosen for oral presentation “Role of Sox9 in Postnatal Cartilage”

Cartilage Gordon Conference, Les Diablerets, Switzerland, 2009, Poster, “Role of Sox9 in Postnatal Cartilage”

American Society of Bone and Mineral Research Annual Meeting, San Diego, 2011

Poster presentation at American Society of Bone and Mineral Research, Baltimore 2013 entitled “Calcitonin Regulates the Osteocyte.”

PROFESSIONAL MEMBERSHIPS/ ACTIVITIES

Member TCCTA 2017-2022

Member of American Society for Matrix Biology (ASMB), 2000-2004

Member of Osteoarthritis Research Society International (OARSI)-2007-2009

Member of American Society of Bone and Mineral Research (ASBMR), 2009-2013