

Wren Walker Robbins, Ph.D.

Director, Changing Communities [2C] Consulting

353 Goodrich Ave
St Paul, MN 55102
(612) 615-2605
wren@STEMconsult.org

Professional Preparation

1992 -1995 **Ph.D.**, The University of New Mexico, Cell & Tissue Biology
1990 -1992 **M.S.**, The University of New Mexico, Cell & Tissue Biology
1983 -1987 **B.S.**, University of Montana, Billings, Biology

Postdoctoral Fellowships

1997 -1999 The University of New Mexico, Department of Cell Biology & Physiology
1995 -1997 Harvard Medical School, Dept. of Medicine, Massachusetts General Hospital

Professional Experience

2013 – *present* Director, Changing Communities Consulting
2010 – *present* President, North Star AISES Alliance & Professional Chapter
2014 – *present* Community Faculty, Metropolitan State University, Department Natural Sciences
2015 – *present* Advancing Equity in Career & Technical Education, Tech. Working Group, Dep. Ed.
2015 – *present* Intergovernmental Platform on Biodiversity & Ecosystem Services
2010 – 2013 Project Lead, Professional Development Group, Science Museum of Minnesota
2006 – 2010 Instructor, Native Ways of Knowing Secondary Science, Turtle Mountain Community College
2004 – 2006 Online Faculty, South University
2004 – 2006 Member, Project Kaleidoscope Leadership Initiative
2001 – 2006 Assistant Professor, Dept. Biology, Iona College
2000 – 2001 Faculty, Santa Fe Community College, Santa Fe, New Mexico
2000 – 2001 Biology Teacher, Santa Fe Preparatory School, Santa Fe New Mexico
1999 – 2000 Visiting Assistant Professor, Highlands University, Las Vegas, NM
1997 – 1999 Research Fellow, Department of Cell Biology & Physiology, The University of New Mexico
1995 – 1997 Research Fellow, Department of Medicine, Harvard Medical School, Boston MA
1990 – 1995 Graduate Research Assistant, Dept. Biology, The University of New Mexico, Albq, NM
1987 – 1990 Research Technician, The University of Washington, Seattle WA
1986 – 1987 Research Technician, The Tumor Institute, Swedish Hospital, Seattle, WA

Selected Invited Papers & Presentations

Walker Robbins, W.J., Carlson, T.E., Sky Woman: Using Diversiform Storytelling to Deconstruct Single Story and Create Inclusive Learning Spaces, Minnesota Education Equity Partnership Conference, Minneapolis, MN, February 25th, 2016
Walker Robbins, W.J., Bellcourt, M., Greensky, Z.N., Butterfield, A.J., Iyngar, S., Grossman, J., Building Multi-organizational Partnerships that help Native Students Rise & Thrive, AISES National Meeting, Phoenix AZ, November 19-21, 2015
Walker Robbins, W.J., Wholeness As Medicine To Undo the Infrastructure of Oppression, Keynote Address Midwest LGBTQ Education Summit, Chicago IL, November 7-8, 2015.
Walker Robbins, W.J., Story & Storytelling to Invite Diverse Identities Into Our Science, Technology, Engineering, and Mathematics [STEM] Classes, Presentation at Midwest LGBTQ Education Summit, Chicago IL, November 7-8, 2015.
Walker Robbins, W.J, Foundations for Increased Organizational & Programmatic Diversity, Workshop at the Destination Imagination Board of Directors Retreat, October 23rd, 2015
Walker Robbins, W.J., Meeting the Needs of Native Women in STEM, NAPE online Webinar, February 25, 2014.

- Walker Robbins, W.J., Meeting the Needs of Native American Students, Workshop at National Alliance for Partnerships In Equity [NAPE] Professional Development Institute, April 11, 2014
- Walker Robbins, W.J., Panel Moderator, Under the Lens: Questioning the Culture of Science, University of Minnesota, November 15, 2013
- Walker Robbins, W.J., Keynote Address, Working & Teaching Across Cultures: Inviting Culture into your Classes, Metropolitan State University Spring Faculty Conference, May, 2012.
- Walker Robbins, W.J., Maxon, J.A., Workshop, Working & Teaching Across Cultures: Inviting Culture into your Classes, Metropolitan State University Spring Faculty Conference, May, 2012.
- Walker Robbins, W.J., Strauss, E.V., Equity in K-16 STEM Education: Transforming Ideology and Practice, ASTE 2011 International Conference, Minneapolis, MN, January 2011.
- Chatman, L., Sandland, T.O., Strauss, E.V., Walker Robbins, W.J., The Essence of the Leech: A Coming of Age Story About the Rewards of Teaching and Learning Across Cultural Boundaries. Annual Meeting, National Association for Multicultural Education (NAME), Chicago IL, 2011.
- Walker Robbins, W.J., A Case for High Context Science Instruction: Inviting Culture Into Your Classes, The Collaboration Conference, February 2009.
- Walker Robbins, W.J., Culturally Responsive Teaching, 38th Annual North Dakota Indian Education Conference, May 2008.
- Robbins, J.R. Science students confound the principle of evolution with the theory of natural selection. Paper presented at The National Meeting of The Association for Research In Science Teaching (NARST) Dallas, TX, April 2005
- Robbins, J.R. Science students confound the principle of evolution with the theory of natural selection. Paper presented at the North East Regional Meeting for the Association for the Education of Teachers In Science, Syracuse University, Syracuse, NY October 2004
- Robbins, J.R., Goldring, M.B.: Human Articular and embryonic Chondrocytes Immortalized with tsSV40-Tag Express differentiated phenotypes in Defined Conditions. East Coast Connective Tissue Society Meeting, March 1997.

Courses Taught

Turtle Mountain Community College, Methods in Elementary Science Education; Multicultural Education; Ecology; Anatomy & Physiology; Biochemistry; Organic Chemistry; Analytical Chemistry; Praxis 1 & 2 Review

Southern Online University, *Introductory Biology I & II*

Iona College, The Living Environment (ED 510); Advanced Cell Biology; Human Anatomy & Physiology; Senior Seminar & Senior Capstone

Santa Fe Community College, *Anatomy & Physiology; Microbiology for Health*

Santa Fe Preparatory School, 9th grade biology; *Teen Action Program*

New Mexico Highlands University, *Science/Math in Secondary Methods*; Cell Biology; Information In Ecological Systems (620); *Seminar* (600); *Biotechnology* (515); Genetics; *Leadership* (INTDEP 135)

Honors & Awards

Kappa Delta Award for outstanding research, Am Acad. of Orthopedic Surgeons, 1996

Kappa Delta Award for outstanding research, Am Acad. of Orthopedic Surgeons, 1991

Passed With Distinction, Doctoral Exams, University of New Mexico, 1995

Educational Associations

- 2011 – present National Indian Education Association
- 2004 – 2006 Project Kaleidoscope (PKAL) Leadership Initiative
- 2001 – 2006 National Association for Research In Science Teaching (NARST)
- 2001 – 2006 Association for The Education of Teachers In Science (AETS)
- 1999 – 2000 Center for Excellence in Teacher Preparation (CTEP)
- 1999 – 2000 Math & Science Council, Highlands University

Scientific Associations

American Indians in Science and Engineering Society (AISES)

Society for the Advancement of Chicanos and Native Americans In Science (SACNAS)
American Association for the Advancement of Science (AAAS)

Selected Publications (published under prior name: Robbins, J.R)

- Chatman, E.S., Sandland, T.O., Strauss, E.V., Walker Robbins, W., Professional Development for Access and Equity in STEM Education: Changing Teacher and Leader Mindsets, Proceedings of the National Association of Research in Science Teaching (NARST), Pittsburgh, PA, 2014
- Robbins, J.R., Science Students Confound the Principle of Evolution with the Theory of Natural Selection. Proceedings of the National Association of Research in Science Teaching (NARST), Dallas, April 2005
- Robbins, J.R., Thomas, B., Tan L., Choy, B., Arbiser J.L., Goldring M.B., Immortalized human adult articular chondrocytes maintain cartilage-specific phenotype and responses to interleukin-1 β Arthritis & Rheumatism 43:2189-2201, 2000
- Kokenyesi R, Tan L, Robbins J.R, Goldring M.B., Proteoglycan production by immortalized human chondrocyte cell lines cultured under conditions that promote expression of the differentiated phenotype. Arch Biochem Biophys 383:79-90, 2000
- Robbins, J.R., McGuire, P.G., Wehrle-Haller, B., Rogers, S.L., Diminished Matrix Metalloproteinase 2 (MMP-2) In Ectomesenchyme-derived Tissues of the Patch Mutant Mouse: Regulation of MMP-2 by PDGF and Effects on Mesenchymal Cell Migration. Developmental Biology 15:255-263, 1999
- Robbins, J.R., Goldring, M.B., Methods for Preparation of Immortalized Human Chondrocyte Cell Lines. In: Methods in Molecular Medicine: Methods in Tissue Engineering (Ed. J.R. Morgan and M.L. Yarmush) Humana Press Inc., Totowa, NJ 1999.
- Chansky, H., Robbins, J.R., Cha, S., Raskind, W.H., Conrad, E.U., Sandell, L.J., Expression of Cartilage Extracellular Matrix and Potential Regulatory Genes in a New Human Chondrosarcoma Cell Line. J. Orthopaedic Res. 16:521-530, 1999.
- Robbins, J.R., Evanko, S.P., and Vogel K.G., Mechanical Loading and TGF-B Regulate Proteoglycan Synthesis in Tendon. Arch. Biochem. And Biophys. 342:303 - 211, 1997
- Robbins, J.R., Vogel, K.G., Regional Expression of mRNA for Proteoglycan and Collagen In Tendon. Eur. J. Cell Biol. 64:264 - 270, 1994.
- Sandell, L.J., Morris, N., Robbins, J.R., Goldring, M.B.: Alternatively Spliced Type II Procollagen mRNAs Define Distinct Populations of Cells During Vertebral Development: Differential Expression of the Amino-Propeptide. J. Cell Biol. 114:1307 – 1991