Ricardo Belmares

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Education

University of North Texas Health Science Center, Fort Worth, Texas
Graduate School of Biomedical Sciences, Structural Anatomy and Rehabilitation Sciences, Doctoral Candidate
Current enrollment

Texas Christian University, Fort Worth, Texas
College of Education, Alternate Teaching Certificate/Composite Science, May 1996

Texas Christian University, Fort Worth, Texas
Ranch Management University Program, Certificate, May 1995

University of Texas Medical Branch, Galveston, Texas
Medical Sciences, August 1989- May 1993

Texas Christian University, Fort Worth, Texas
College of Science and Engineering, B.S., May 1986

Honors and Awards

Undergraduate
- TCU Dean's Honor
- TCU Scholar

Medical School
- National Institute of Health Summer Research Program Award

Ranch Management
- Arthur H. Courtade Memorial Scholarship
- Charles Goodnight Scholarship

Graduate School
- Oral Qualifying Exam, passed with distinction
- UNTHSC Graduate Student Affairs Scholarship
- SACNAS Travel Award for National Conferences (2016, 2017)

Research Publications

Biochemical Characterization of Temporal Mandibular Joint, Research, Conference paper, IADR meeting, Geoffrey Guttman, Ricardo Belmares, Tanya Lerma, March 2014

Cellular Fibronectin Expression in Human Trabecular Meshwork and Induction by Transforming Growth Factor-Beta2" Wanda E. Medina, Ricardo Belmares, Sandra Newbauer, Robert J. Wordinger, Abbot F. Clark, *Cell Biology and Anatomy, Investigative Ophthalmology and Visual Sciences*, 2013

Structural insight into the ion-exchange mechanism of the sodium/calcium exchanger. Liao J, Li H, Zeng W, Sauer DB, Belmares R, Jiang Y. *Science*. 2012 Feb 10;335(6069):686-90.

The structure of a Michaelis Serpin-Protease Complex.
Ye, S., Cech, A., Belmares, R., Bergstrom, R., Corey, D., Kanost, M., and Goldsmith, E.J. , *Nature Struct. Biol.* , 2001; (8):979-983

Non-immunological Detection Of PhoA Fusion Proteins
Linda H. Phillips - LaShauna Chambers - Ricardo Belmares - David W. Niesel - *Journal of Microbiological Methods* - Vol. 16 - Issue 1 - 1992 - pp. 13-22

Leadership Experience

Human Anatomy Society
- Vice president and founding officer 2014-2015

Graduate School
- President SACNAS 2015-2016
- Vice President SACNAS 2016-2017
- Public relations officer, SACNAS 2014-2015
- Leadership council/orientation leader 2014-2015
- Council member, Center for Diversity UNTHSC, 2015-2017
- Student Ambassador for National Mentoring Network, UNTHSC 2016
- Outreach coordinator, Mentors for Life, UNTHSC 2015, 2016

Professional
- Department Chair/ Instructional/Curriculum Team Leader
  - Crowley Independent School District
  - Everman Independent School District
- District level team member for College Readiness Program
  - Crowley Independent School District
- National Honor Society Sponsor
  - Hillsboro Independent School District

Professional Society Memberships

<u>Graduate School and Professional</u>

Society for the Advancement of Chicano & Native American Scientists, SACNAS
American Association of Anatomists
The American Society for Pharmacology and Experimental Therapeutics
Human Anatomy Society

Graduate Student Association, UNTHSC
Black Graduate Student Organization, UNTHSC
International Student Organization, UNTHSC
Earth Club/Office of Sustainability, UNTHSC
Science Teachers Association of Texas

Medical School

Organization of Hispanic Medical Students
Texas Medical Association
Alpha Kappa Kappa Medical Society

Undergraduate

Alpha Epsilon Delta Premedical Society
Golden Key Honor Society

Certifications

Alternative Secondary Education/Composite Science
CITI Training for Human Studies

Volunteer and Community Service

Graduate School

Lions Vision Screening, volunteer 2017
UNTHSC Pediatric Mobile Unit, Vision screening volunteer 2017
HABLE : healthy aging study, volunteer, 2017
National Mentorship Mentoring network, Student Ambassador 2016
Academy 4 mentor 2015-2016
Community garden volunteer 2015-2016
Mentors for Life Outreach 2015-2016
Graduate School Orientation leader, 2014-2015
Dream Outside the Box, Science Mentor, Spring2014
All Saints Catholic School Science Fair judge, Spring 2014
UNTHSC Clint Black Benefit Concert, docent, November 2014
North Hi Mount Fall Festival Volunteer, Fall 2014, 2015
SMART poster presentation judge 2015, 2016, 2017
Texas Academy of Biomedical Sciences presenter 2015
Spanish translator, IRB approved Brain Study, Dr. Ghorpade lab 2015-2017

Medical School

Christian Medical Society Medical Missions Trip Matamoros Mexico
Translator, July1990
Ronald McDonald House Haunted House volunteer
St. Vincent De Paul Society
Food Bank volunteer

Undergraduate

Harris Medical Center
Surgical Recovery Volunteer/Emergency Room Volunteer

Employment Experience

Graduate Teaching Assistant
University of North Texas Health Science Center 2013-2017
Human Gross Anatomy and Medical Science Biostatistics

High School Science Teacher/Interim department chair
Everman Independent School District, August 2012-2013
Biology, Chemistry, Anatomy & Physiology

High School Science Teacher, Science Department Chair, Curriculum and Instruction specialist, Leadership Team
Crowley Independent School District, August 2007- June 2012
AP Biology, AP Physics,
Pre-AP Physics, TAKS remediation

Research Associate,
University of North Texas Health Science Center -Fort Worth, Texas, North Texas Eye Research Center, Robert J. Wordinger Lab, Summer 2011-2012,
Summer Research internship for educators

Lab manager, Research Associate
University of Texas Southwestern Medical Center – Dallas, Texas, Department of Biochemistry, Youxing Jiang Lab, August 2004- July 2006

High School Science Teacher and National Honor Society Sponsor
Hillsboro Independent School District, August 2002- May 2004
AP Chemistry, Pre-AP Chemistry and ESL Science

Research Assistant and Lab Manager
University of Texas Southwestern Medical Center – Dallas, Texas, Department of Biochemistry, Elizabeth Goldsmith Lab, September 1999-August 2002

ESL Science Teacher
Fort Worth Independent School District, September 1996- May 1999, William James Middle School

Research Technician II
University of Texas Medical Branch – Galveston, Texas
Department of Microbiology, David Niesel Lab/ Lawrence Dreyfus Labs,
August 1988 - June 1989

Research Technician II
University of Texas Southwestern Medical Center
Department of Cell and Molecular Biology, January 1987- June 1987