

Biomedical Research Training at Texas State

Preparing Bobcats for doctoral programs in the biomedical sciences

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Bridges to the Baccalaureate, 1999—2003 Southwest Texas State & Alamo Community College (PI: Dana García)

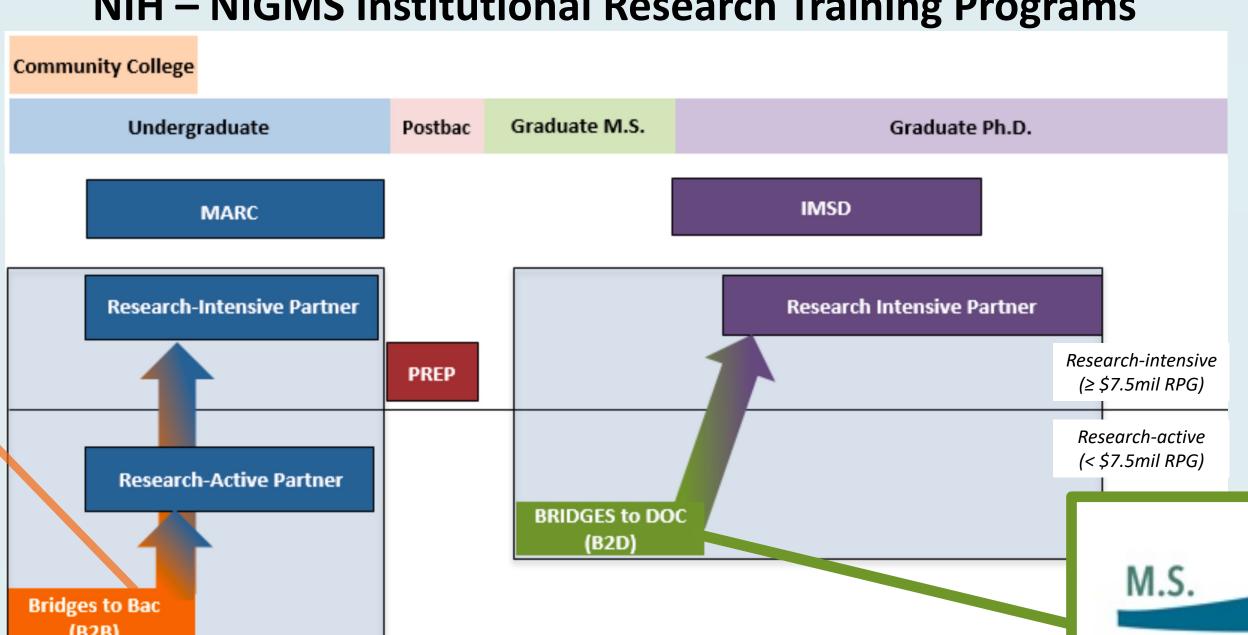
Bridges to Biomedicine, 2013 – 2015 Texas State University, San Antonio College, &

Northwest Vista College (PI: Ron Walter)

B.S. \rightarrow Ph.D.

Texas State U-RISE 2021 - 2026 (PI: Karen A. Lewis)

NIH – NIGMS Institutional Research Training Programs



 $M.S. \rightarrow Ph.D.$



southtxdocbridge.txstate.edu

South Texas Doctoral Bridge Program 2013 - 2023

SOUTH TEXAS DOCTORAL BRIDGE PROGRAM

Texas State University & UT Health San Antonio (TxSt PI: Steve Whitten, formerly Ron Walter)



Bobcat Days

urise.wp.txstate.edu

Bobcat Preview STEM sections of US1100 Career Exploration Workshops

60% Tuition Remission + ~\$12,000 Annual Stipend Career Exploration & Development Mentored Research @ TxSt Summer Research @ R1 Partners PhD Application Mentoring

M.S. Year 2 M.S. Year 1 Spring Spring Fall Summer **Program Orientation**

Interview Mentors Select Thesis Lab

Coursework Conferences First-Year Review

Conferences PhD Applications PhD Interviews Coursework Thesis Defense

100% Tuition Remission + ~\$20,000 Annual Stipend

Thesis Research

Weekly Development Workshops + Individualized Career Mentoring (IDP)

2022 – 2023 TxSt Biomedical Research Scholars

Multi-Year, Integrated Training Programs





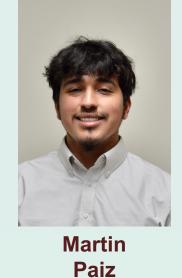




Simpson



Vélez Guzmán

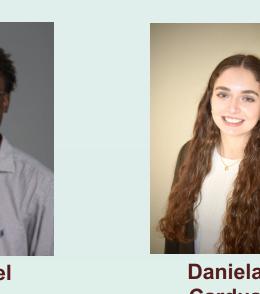






















STDBP Scholars

Outcomes and Impact

Increased Workforce Diversity

U-RISE

- Scholars: 100% URM, 58% first-gen, 58% women
- 5 majors represented across 2 colleges

STDBP

- Scholars: 100% URM
- URM in Chem/Biochem M.S. nearly doubled from 2012 to 2020 (28% to 44%)

Alumni Matriculate to Doctoral Programs



10 U-RISE trainees over 2 years

> 25 PhD interview invitations

Class of 2022: 100% PhD acceptance

rate; 75% offered additional scholarships









STANFORD University

OF MINNESOTA

36 STDBP trainees over 10 years

of NORTH CAROLINA

- 5 in progress
- 24 completed
- 21 pursued PhD (4 now postdocs)

Texas State Research Culture

Fellowships = productivity

Vernaza

- 37 peer-reviewed publications
- > 100 conference presentations
- Support faculty research grants

National recognition

- 3 NIH F31 awards
- 2 NSF GRFP applications

Promote institutional success

- Reduced time to MS graduation by 10%
- Increased MS graduation rate to >80%