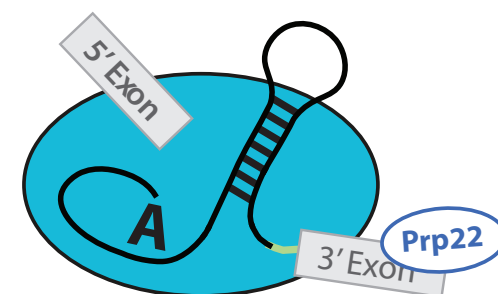


Cody Anthony Hernandez

Ph.D. Candidate @ The University of Chicago

Chicago, IL | 915-603-0991 | RNA@uchicago.edu



Education

- 2015-Present **Doctor of Philosophy, Molecular Genetics and Cellular Biology**
Cell and Molecular Biology @ The University of Chicago
Staley Lab
- 2010-2015 **Bachelor of Science (cum laude), Biochemistry**
Honors College @ Texas State University, HSI (Hispanic Serving Institute)
Minor: Applied Mathematics
Thesis; Practical Bioinformatics: A Course for the Life Sciences

Research Experience

- 2015-Present **Ph.D Candidate**
The University of Chicago, Molecular Genetics & Cellular Biology
Structural and Functional studies of Prp22's proofreading mechanism in 3'ss usage
Advisor: Jon Staley
- 2014-2015 **Research Assistant**
Trinity University
Characterization of a small splicing protein Dib1, in the formation of the tri-snRNP
Advisor: Corina Maeder
- 2014 **NSF-REU Research Assistant**
University of California @ Berkeley
Characterization of Rickettsia Parkeri surface cell receptor in host cell invasion
Advisor: Matthew Welch
- 2013-2014 **Research Assistant**
Texas State University
Characterization of a small splicing protein Dib1, in the formation of the tri-snRNP
Advisor: Corina Maeder

Leadership Roles

- 2020 **Fundraising, communications, assembly, distribution (Protestor Packs)**
The University of Chicago
Raised \$15,000 to assemble packs for safe protests and distributed over 2000 packs & 100 med-packs to local black advocacy groups
- 2020 **Founding member, Transforming Academic Ecosystems (TAE) Consortium**
Multi-Institutional
- 2017-Present **Co-Founder, Recognition for Outstanding Work in Diversity and Inclusion (ROWDI) Award**
The University of Chicago

Annual award given to one outstanding graduate student for their dedication to empowering and supporting the next generation of diverse STEM talent.

2016-Present **Co-Founder, Graduate Recruitment Initiative Team (GRIT)**

The University of Chicago

Team of individuals dedicated to the recruitment, retention, and sustainability of minorities and other marginalized groups at the University Of Chicago. This movement has expanded to other institution across the country.

2016-2017 **Co-President, University of Chicago Chapter**

Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS), The University of Chicago
Led graduate and undergraduate student leadership groups. Specific tasks were as follows. Event ideation, planning and implementation, liaison to faculty leadership, secure funding and organize SACNAS regional conference

2016-2017 **Chief of Communications, Graduate Student Seminar (GSS)**

The University of Chicago

Recruited speakers, promoted events, conducted fun pre-interviews to garner interest

2014-2015 **President, Texas State University Chapter**

American Society for Biochemistry and Molecular Biology (ASBMB), Texas State University

Recruited 65 new members, coordinated 3 outreach events, started a journal club in which graduate students mentored undergraduate students through primary literature.

2012-2014 **Biology, Chemistry, Math, and Physics Supervisor**

Student Learning Assistance Center, Texas State University

Center received over 40,00 visits a year. I tutored, trained (over 20 tutors), and created programs ensuring equitable tutoring for students with learning disabilities.

2011-2012 **Facilitator, Advancement Via Individual Determination (A.V.I.D)**

Northern Independent School District (N.I.S.D.)

Responsible for developing lesson plans and STEM projects for over 30 URM elementary and middle school students. Resulted in higher standardized test scores.

Fellowships

2018-Present **Howard Hughes Medical Institution (HHMI) Gilliam Fellowship**

2017-2018 **Molecular and Cellular Biology Training Grant (T-32)**

2015-2017 **Initiative for Maximizing Student Development (IMSD) Program**

2015 **Early Summer Research Fellowship**

Honors and Awards

2017-2018 **Graduate Student Leadership Award (Chicago, IL)**

Competitive Award given to 8 University of Chicago Graduate Students (only one in BSD)

2017-2018 **Pilot Award (Chicago, IL)**

Office of the Provost

\$5000 Award to expand GRIT to other areas @ the University of Chicago

2017 **The Innogeraul SACNAS Regional Conference held at UChicago**

Chair for conference organization and fundraising

2017 **Small Diversity Grant (Chicago, IL)**

Center for Diversity and Inclusion

\$1000 award to attend "Forty Years of mRNA Splicing: From Discovery to Therapeutics.

- 2017 **Small Diversity Grant (Chicago, IL)**
Center for Diversity and Inclusion
\$2000 award to send 5 GRIT members to the SCIENTISTA Conference
- 2017 **Career Development Grant**
Graduate Council
\$1000 award for Professional Diversity Networking Event
- 2017 **UChicago Grad Council Grant (Chicago, IL)**
Graduate Council
\$3,500 Award given for Regional SACNAS Conference
- 2017 **Geek Grant (Chicago, IL)**
KCURA
\$2,500 Award given to 1 Organization. Used for the Regional SACNAS Conference
- 2015 **Experimental Biology Travel Award, (Boston, MA)**
Federation of American Societies for Experimental Biology (FASEB)-Maximizing Access to Research Careers
Presenter Travel Award
- 2015 **American Chemical Society Award for Outstanding Academic Performance (San Marcos, TX)**
National ACS exam for Physical Chemistry
Top 99th Percentile on National Exam
- 2015 **American Chemical Society Award for Outstanding Academic Performance (San Marcos, TX)**
National ACS exam for Biochemistry
Top 99th Percentile on National Exam
- 2014 **Undergraduate Travel Award (Los Angeles, CA)**
Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)
Presenter Travel Award
- 2014 **Research Experience for Undergraduates (Berkeley, CA)**
National Science Foundation
Competitive fellowship 10/400 students awarded for research experience @ Berkeley
- 2014 **Experimental Biology 2014 Travel Award (San Diego, CA)**
Federation of American Societies for Experimental Biology (FASEB)-Maximizing Access to Research Careers
Mentor-Mentee travel award
- 2014 **Larry D. Herwig Research Scholarship (San Marcos, TX)**
Texas State University
Annual award for Top Research Student in Biochemistry
- 2014 **American Chemical Society Award for Outstanding Academic Performance (San Marcos, TX)**
National ACS exam for Organic Chemistry I & II
Top 99th Percentile on National Exam

Presentations

- 2020 **RNA International Conference @ British Columbia**
Selected Speaker
- 2019 **Diverse Perspectives in STEM @ UChicago**
Invited Speaker
- 2019 **Investigating the Mechanism and Physiological Role of Prp22 in Mediating 3'ss Selection @UChicago**
Research in progress, Training Grant Presentations

- 2018 **Diverse Perspectives in STEM @ Mayo Clinic**
Invited Speaker
- 2018 **Diversity and Inclusion Workshop Series on GRIT @ UVA**
Invited Speaker
- 2018 **Speaker @ Commity on Diversity and Inclusion (CODI) @ Annual Endocrinology Society Meeting**
Invited Speaker
- 2017 **GRADLAB: Voices from the field @ SACNAS**
Invited Speaker
- 2017 **McNair Student Discussion Pannel @UChicago**
Invited Speaker
- 2015 **Practical Bioinformatics: A Course for the Life Sciences**
Thesis Defense
Thesis Oral Defense
- 2015 **Investigating the Role of Rickettsia parkeri Surface Proteins in Host Cell Invasion**
Presented at UC Berkeley Summer Symposium, SACNAS, and Honors College Symposium at Texas State*
*Posted award winner

Publications

- 2018 Schreib, C.C., Hernandez, C., Bowman, E., Potts, C., Lucas, A., and Maeder, C.. 2018. Functional and Biochemical Characterization of Dib1's Role in Pre-Messenger RNA Splicing. JMB
- 2015 Hernandez, C. and Lewis, K. 2015. Practical Bioinformatics: A Course for the Life Sciences, Thesis, Texas State University Honors College, San Marcos, TX.

Small Articles Published About Advocacy Work (Hyperlinks)

GRIT Website

At Student Group's Urging, Biological Sciences Division Drops GRE Requirement

The Chicago Maroon, Comprehensive overview of GRIT

University drops test scores from graduate-admissions criteria

Nature Blogs, Featured in Nature

Graduate Recruitment Initiative Team Grit Grows to the PSD and Beyond

Chemistry Pubs @UChicago

Why graduate students should get involved in advocacy

Nature Blogs, Featured in Nature

Grassroots, student-led team works with faculty to enhance diversity in the sciences

UChicago Medicine