Adrian Ledesma-Mendoza

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EDUCATION

PhD Student Expected 06/2022

Yale University

Bachelor of Science in Chemical Engineering

06/2016

GPA 3.85

Summa Cum Laude

PROFESSIONAL EXPERIENCE

The University of New Mexico

Rotating Graduate Research Assistant

Fall 2016 – Spring 2017

Yale University, New Haven, CT P.I.: Prof. Anjelica Gonzalez (Fall 2016) & Prof. W. Mark Saltzman (Spring 2017)

Project summary: In Fall 2016, I investigated the mechanical effects on pericytes and endothelial cell growth and function using polyacrylamide hydrogels.

In Spring 2017, I characterized a novel family of poly(amino-co-ester) terpolymers for the use in targeted gene delivery.

Undergraduate Research Assistant

The University of New Mexico, Albuquerque, NM

05/2014 - 05/2016

P.I.: Prof. Heather Canavan

Project summary: Development of a human skin irritation assay derived from poly(N-isopropyl acrylamide) cell sheets for drug testing

Undergraduate Research

Harvard University, Cambridge, MA

Summer 2015

E 11 2017 G : 2017

P.I.: Dr. Kevin Kit Parker

Project summary: Creation of a cardiac impulse propagation model employing heart-on-a-chip technology to study the effects of cell alignment on cardiac electric propagation.

AWARDS

A NICE C

•	NSF Computer Science and Engineering Scholarship Program	Fall 2015 – Spring 2016
•	SACNAS Travel Scholarship	Fall 2015
•	John A. Paulson School of Engineering and Applied Sciences	
	2015 Research Experience for Undergraduates (REU)	Summer 2015
•	UNM El Centro de la Raza-El Puente Fellows Program	Fall 2014-Spring 2015
•	NSF STEP Program	Summer 2014
•	Dean's List	Fall 2013 – Spring 2016
•	Harry and Mabel F. Leonard Scholarship Fund	Fall 2012 – Spring 2016

PRESENTATIONS

Ledesma-Mendoza, A., Ulibarri, S., Chavez, M., Pham, T.K., Saavedra, B. "Novel Method for Sour Water Cleaning" Presented at the 2016 UNM SOE Research Symposium, Albuquerque, NM, 05/04/16

Ledesma-Mendoza, A., Pasqualini, F.S., Moran, Y., Parker, K.K., "Cardiac Propagation on the Heart-on-a-Chip" Presented at the 2015 SACNAS National Conference, Washington, DC, 10/29/15

Ledesma-Mendoza, A., Pasqualini, F.S., Moran, Y., Parker K.K., "Cardiac Propagation on the Heart-On-A-Chip". Presented at the John A. Paulson Annual 2015 REU Symposium, Harvard University, Cambridge, MA. 8/15/15

Ledesma-Mendoza, A., Canavan, H. E., "Development of a scaffold-free human skin equivalent using pNIPAM substrates" Presented at UNM Shared Knowledge Conference, UNM, Albuquerque, NM. 4/23/15