

BIOGRAPHICAL SKETCH

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NAME: Tania M. Malave Sanabria

eRA COMMONS USER NAME (credential, e.g., agency login): tmalave

POSITION TITLE: Professor

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.)*

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
University of Puerto Rico (Humacao)	B.S.	05/1006	Industrial Chemistry
Purdue University	Ph.D.	08/2002	Biochemistry
Baylor College of Medicine	Post Doc.	07/2004	Molecular Genetics
UT-MD Anderson Cancer Center	Post Doc.	07/2006	Biochemistry

A. Personal Statement

Ever since I began high school, I knew I wanted to be a scientist. To achieve my goals, I pursued every opportunity I encountered. This included summer programs as a high school student, summer internships, and participation in the MARC program. I was fortunate to have grown up in an academic environment, so I knew where to look for the opportunities that I later pursued. Eventually I obtained my Ph. D in Biochemistry and joined the University of Puerto Rico at Humacao as an Assistant Professor. When I joined the UPR as an assistant professor, and in the initial years, I realized that one of the most important components to my success had been the mentors that guided me along the way. A good mentor can really make an impact in the future of the mentees. With this in mind, I have become involved in many programs whose goal is to train and guide undergraduate students in the biomedical sciences. I have been the campus liaison for the BioMinds program and Louis Stokes Alliance for Minority Participation Program. I was also a member of the U54 UPR and MD-Anderson Cancer Center training advisory board. I have mentored 14 undergraduates, three of which were MARC Scholars. All three of my MARC trainees have completed Ph.Ds.

The UPR-Humacao Campus has had a MARC program that has been very successful for the last 30 years. With the support of this program, many students, who otherwise would not have had the opportunity to get involved in research, have been introduced to laboratory research. As a UPRH MARC Alumni, I want future generations of students to have the same opportunities that I had. Since our institution no longer qualifies for a MARC Program, I am applying to the U-RISE program. Through this program we can continue to train students and support their efforts to pursue a career in the biomedical sciences.

B. Positions and Honors

1992	National Hispanic Scholar
1993 – 1996	Honor Student at UPR-Humacao
1994 – 1996	Minority Access to Research Careers (MARC) Scholar
1996	Magna Cum Laude Graduation Honors, UPR-Humacao
1996 – 1997 and 2000 – 2001	Purdue University's Graduate Opportunities Fellowship

1997 – 2000	Ford Foundation Predoctoral Fellowship
2001 – 2002	Ford Foundation Dissertation Fellowship
2004 – 2006	T32 NIH Training Grant
2006 – 2010	Assistant Professor, UPR-Humacao
2009 – 2011	Liaison for the Humacao Campus of the Amgen BioMinds program
2010	Associate Professor, UPR-Humacao
2011	Tenured Associate Professor, UPR-Humacao
2017	Department of Chemistry Chair
2016 – Present	Liaison for Humacao Campus of the NSF Puerto Rico Louis Stokes Alliance for Minority, PR-LASMP, program
2020 – Present	Department of Chemistry Chair
2021 – Present	Tenured Professor
2022 – Present	Program Director for URISE at UPRH

C. Contributions to Science

Publications:

1. Marla Perez-Davis, **Tania M. Malave**, Paul Hambourger, Sharon Rutledge, David Roig, Kim K. de Groh, and Chin-Cheh Hung. 1993. "Transparent Conducting Thin Film for Spacecraft Applications". AIAA-94-0375.
2. Margarita Ortiz Morales, Liz M. Tirado, Roberto Colon, Maria L. Ufret, Ruth Figueroa, Marisabel Lebron, Melvin de Jesús, Johanna Martinez, and **Tania M. Malave**. 1998 "N-Tert-Butyldimethyldilyl imines as intermediates for the synthesis of amines and ketones" Synthetic Communications, 28:4067-4075.
3. **Tania M. Malave** and James D. Forney. 2004. "Identification of a Developmentally Regulated Translation Elongation Factor-2 in Tetrahymena thermophila.".. Gene. 326:97-105.
4. **Tania M. Malave** and Sharon R. Dent. 2006. Transcriptional repression by Tup1-Ssn6. Biochem. Cell Biol. (Review). 84: 437-443.

D. Additional Information: Research Support and/or Scholastic Performance

Research Support:

Investigating the Kinetics of Transcriptional Repression by Tup1-Ssn6

FOPI Institutional Award	(10,000.00)	August 2008-July 2009
FOPI Institutional Award	(8,000.00)	August 2009-July 2010

Research Training Support

NIH URISE 5T34GM145525	(3,750,000.00)	April 2022 – March 2027
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