

ESTEEMED Mentor Application

- 1. Letter of commitment to train an ESTEEMED student.** Address Dr. Gail P. Taylor, PhD.
- 2. Biosketch:** Please provide an NIH Biosketch on the current form, with the Personal Statement expanded to include information on 1) Your training philosophy/approach for undergraduates (UGs) in your lab and 2) A summary of the numbers and outcomes of UGs whom you have trained.

<https://grants.nih.gov/grants/forms/biosketch.htm>

- 3. Please provide a short (one to two paragraph) description of a research project on which an ESTEEMED trainee could be placed.**

- 4. Please provide a summary of your research interests and history with training undergraduates.**

Name	Degree(s)	Rank	Primary Department or Program	Research Interest	Training Role	UG In Training	UG Graduated	UG Continued in Research or Related Careers
Brancaleon, Lorenzo	Ph.D.	Professor	Physics	Molecular Biophysics	Faculty Preceptor	6	15	12

- 5. Publications with Students in Training:** Going back, up to 10 years, please provide a listing of publications (abstracts & papers) on which an UG was an author, with the UG bolded. Example below. If you have many pages, reduce this to 5 years.

Faculty Member	Trainee Name	Past or Current Trainee	Training Period	Publication (Authors, Year, Title, Journal, Volume, Inclusive Pages)
You here	G. Reat Student	Past	2015-17	Tian, F., Student G.R. , Zamarripa, M., Sansone, S., Brancaleon, L., 2007, Binding of porphyrins to tubulin heterodimers. <i>Biomacromolecules</i> , 8:3767-3778.
You Here	G. Reat Student	Past	2015-17	Student, G.R. , Tian, F., Brancaleon, L., 2006, 'Investigation of the Effects of Clinically Useful Porphyrins on Tubulin for the Application to Phototherapy Cancer Treatment', <i>Annual Biomedical Research Conference for Minority Students (ABRCMS)</i> , November 8-11, Anaheim, CA, USA and <i>UTSA MARC Symposium</i> , October 6, San Antonio, TX.

- 6. Research Support:** Please list the research support that you have available to carry out the research of an ESTEEMED student.

Faculty Member	Funding Source	Grant Number	Role on Project	Grant Title	Project Period	Current Year Direct Costs
Mentor 1	Burroughs Wellcome Fund	Collaborative Research Travel Grant	PI	Collaboration for the Biomedical Applications of Protein Photosensitization	07/01/17-12/31/18	\$8,500
Mentor 1	NIH	1SC2GM121250-01	PI	Photosensitization of albumin: a potential approach to modulate drug delivery into abnormal cells	09/01/17-08/31/20	\$100,000
Mentor 2	NIH	5R01EB020604	PI (MPI)	An Enabling Technology for Preclinical X-ray Imaging of Biomaterials in-vivo	08/01/16-04/30/20	\$225,000