

# Philip (Flip) Tanedo

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CONTACT INFORMATION	3054 Physics Building University of California Riverside, CA 92521, USA	951 827 6168 flip.tanedo@ucr.edu physics.ucr.edu/flip/
RESEARCH	My research connects theories of new physics with novel experimental signatures at particle and astro-particle experiments. My primary focus is the fundamental description of dark matter.	
EMPLOYMENT	<b>University of California, Riverside</b> Assistant Professor, Department of Physics & Astronomy <b>University of California, Irvine</b> Postdoctoral Scholar, Chancellor's ADVANCE Postdoctoral Fellow	2016 –  2013 – 2016
EDUCATION	<b>Cornell University</b> , Ithaca, New York Advisor: Csaba Csáki; <i>Doctor of Philosophy (2013), Master of Science (2010)</i> <b>Durham University</b> (Josephine Butler College), Durham, UK <i>Master of Science by Research</i> <b>Cambridge University</b> (Trinity College), Cambridge, UK <i>Master of Advanced Study in Mathematics with Merit</i> <b>Stanford University</b> , Stanford, California <i>Bachelor of Science in Physics and Mathematics with Honors and Distinction</i>	2008 – 2013  2007 – 2008  2006 – 2007  2002 – 2006
FELLOWSHIPS & HONORS	UCI Chancellor's ADVANCE Postdoctoral Fellowship Ford Foundation Dissertation Fellowship, Honorable Mention Paul & Daisy Soros Fellowship for New Americans Ford Foundation Predoctoral Fellowship, Honorable Mention National Science Foundation Graduate Research Fellowship Marshall Scholarship Barry M. Goldwater Scholarship	2014 – 2015 2012 2010 – 2012 2010 2006 – 2011 2006 – 2008 2005 – 2006
PUBLICATIONS	<p>“DarkCapPy: Dark Matter Capture and Annihilation,” A. Green and P. Tanedo, <a href="#">arXiv:1808.03700 [hep-ph]</a>, <i>submitted to Computer Physics Communications</i>.</p> <p>“Just a Taste: Lectures on Flavor Physics,” Y. Grossman and P. Tanedo, Proceedings, 2016 Theoretical Advanced Studies Institute. 10.1142/9789813233348_0004 <a href="#">arXiv:1711.03624 [hep-ph]</a>.</p> <p>“Neutron stars at the dark matter direct detection frontier,” N. Raj, P. Tanedo and H. B. Yu, <i>Phys. Rev. D</i> <b>97</b> (2018) no.4 043006 <a href="#">arXiv:1707.09442 [hep-ph]</a>.</p> <p>“Dark Photons from Captured Inelastic Dark Matter Annihilation: Charged Particle Signatures,” J. Smolinsky and P. Tanedo, <i>Phys. Rev. D</i> <b>95</b> no.7, 075015 (2017) <a href="#">arXiv:1701.03168 [hep-ph]</a>.</p> <p>“Dark Matter Interpretation of the Fermi-LAT Observation Toward the Galactic Center,” C. Karwin, S. Murgia, T. M. P. Tait, T. A. Porter and P. Tanedo, <i>Phys. Rev. D</i> <b>95</b>, no. 10, 103005 (2017) <a href="#">arXiv:1612.05687 [hep-ph]</a>.</p> <p>“Lepton-Flavor Violating Mediators,” I. Galon, A. Kwa and P. Tanedo, <i>JHEP</i> <b>1703</b>, 064 (2017) <a href="#">arXiv:1610.08060 [hep-ph]</a>.</p> <p>“Dark Sectors 2016:Community Report,” J. Alexander <i>et al.</i>, <a href="#">arXiv:1608.08632 [hep-ph]</a>.</p> <p>“Particle Physics Models for the 17 MeV Anomaly in Beryllium Nuclear Decays,” J. L. Feng, B. Fornal, I. Galon, S. Gardner, J. Smolinsky, T. M. P. Tait and P. Tanedo, <i>Phys. Rev. D</i> <b>95</b>, no. 3, 035017 (2017) <a href="#">arXiv:1608.03591 [hep-ph]</a>.</p> <p>“Protophobic Fifth-Force Interpretation of the Observed Anomaly in <math>^8\text{Be}</math> Nuclear Transitions,” J. L. Feng, B. Fornal, I. Galon, S. Gardner, J. Smolinsky, T. M. P. Tait and P. Tanedo, <i>Phys.</i></p>	

- Rev. Lett. **117**, no. 7, 071803 (2016) [arXiv:1604.07411 \[hep-ph\]](#).
- “Kaluza-Klein gluons at 100 TeV: NLO corrections,” B. Lillard, T. M. P. Tait and P. Tanedo, Phys. Rev. D **94**, no. 5, 054012 (2016) [arXiv:1602.08622 \[hep-ph\]](#).
- “Detecting dark matter through dark photons from the Sun: Charged particle signatures,” J. L. Feng, J. Smolinsky and P. Tanedo, Phys. Rev. D **93**, 115036 (2016) [arXiv:1602.01465 \[hep-ph\]](#).
- “Limiting SUSY compressed spectra scenarios,” A. Nelson, P. Tanedo and D. Whiteson, Phys. Rev. D **93**, 115029 (2016) [arXiv:1509.08485 \[hep-ex\]](#).
- “Dark Photons from the Center of the Earth: Smoking-Gun Signals of Dark Matter,” J. L. Feng, J. Smolinsky and P. Tanedo, Phys. Rev. D **93**, 015014 (2016) [arXiv:1509.07525 \[hep-ph\]](#).
- “On-Shell Mediators and Top-Charmed Dark Matter Models for the Fermi Galactic Center Excess,” A. Rajaraman, J. Smolinsky and P. Tanedo, [arXiv:1503.05919 \[hep-ph\]](#); *submitted to Phys. Rev. D*
- “2013 ESHEP lectures on Beyond the Standard Model,” C. Csáki and P. Tanedo, Proceedings of the 2013 European School of High-Energy Physics, Parádörd, Hungary, 5–18 June 2013, edited by M. Mulders and G. Perez, CERN–2015–004 (CERN, Geneva, 2015), ISBN: 9789290834205.
- “Dynamics of 3D SUSY Gauge Theories with Antisymmetric Matter,” C. Csáki, M. Martone, Y. Shirman, P. Tanedo and J. Terning, JHEP **1408**, 141 (2014) [arXiv:1406.6684 \[hep-th\]](#)
- “Hidden On-Shell Mediators for the Galactic Center  $\gamma$ -Ray Excess,” M. Abdullah, A. DiFranzo, A. Rajaraman, T. Tait, P. Tanedo and A. Wijangco, Phys. Rev. D **90**, 035004 (2014) [arXiv:1404.6528 \[hep-ph\]](#)
- “Effective theory of self-interacting dark matter,” B. Bellazzini, M. Cliche and P. Tanedo, Phys. Rev. D **88**, 083506 (2013) [arXiv:1307.1129](#)
- “The Same-Sign Dilepton Signature of RPV/MFV SUSY,” J. Berger, M. Perelstein, M. Saelim and P. Tanedo, JHEP **1304**, 077 (2013) [arXiv:1302.2146 \[hep-ph\]](#)
- “Fundamental Physics at the Intensity Frontier,” J. L. Hewett, H. Weerts, R. Brock, J. N. Butler, B. C. K. Casey, J. Collar, A. de Gouvea and R. Essig *et al.*, [arXiv:1205.2671 \[hep-ex\]](#)
- “The Birds and the Bs in RS: The  $b \rightarrow s\gamma$  penguin in a warped extra dimension,” M. Blanke, B. Shakya, P. Tanedo and Y. Tsai, JHEP **1208**, 038 (2012) [arXiv:1203.6650 \[hep-ph\]](#)
- “SUSY\_FLAVOR v2: A Computational tool for FCNC and CP-violating processes in the MSSM,” A. Crivellin, J. Rosiek, P. H. Chankowski, A. Dedes, S. Jaeger and P. Tanedo, Comput. Phys. Commun. **184**, 1004 (2013) [arXiv:1203.5023 \[hep-ph\]](#)
- “Goldstone Fermion Dark Matter,” B. Bellazzini, C. Csaki, J. Hubisz, J. Shao and P. Tanedo, JHEP **1109**, 035 (2011) [arXiv:1106.2162 \[hep-ph\]](#)
- “Warped penguin diagrams,” C. Csaki, Y. Grossman, P. Tanedo and Y. Tsai, Phys. Rev. D **83**, 073002 (2011) [arXiv:1004.2037 \[hep-ph\]](#)
- “SUSY\_FLAVOR: A Computational Tool for FCNC and CP-Violating Processes in the MSSM,” J. Rosiek, P. Chankowski, A. Dedes, S. Jager and P. Tanedo, Comput. Phys. Commun. **181**, 2180 (2010) [arXiv:1003.4260 \[hep-ph\]](#)
- “Complete one-loop predictions for  $B_s \rightarrow \ell^+ \ell'^-$  in the MSSM”, A. Dedes, J. Rosiek and P. Tanedo, Phys. Rev. D **79**, 055006 (2009) [arXiv:0812.4320 \[hep-ph\]](#)

CONFERENCE  
TALKS & INVITED  
SEMINARS

- “*Dark Matter Complementarity / Is the WIMP Dead?*”  
Harvey Mudd Physics Colloquium, Pomona, CA Nov. 2018  
USC Physics Colloquium, Los Angeles, CA Oct. 2018  
The Small-Scale Structure of Cold (?) Dark Matter  
Invited talk, Kavli Institute for Theoretical Physics, Santa Barbara, CA Jun. 2018
- “*Composite Mediators*”  
Santa Fe Workshop: Trending Topics in HEP, Plenary talk, Santa Fe, NM Jul. 2018  
Matter Detection and Detectability: Paradigm Confirmation or Shift?

Invited talk, Kavli Institute for Theoretical Physics, Santa Barbara, CA	Apr. 2018
Particle Theory Seminar, Lawrence Berkeley National Laboratory, Berkeley, CA	Apr. 2018
American Physical Society April Meeting, Columbus, OH	Apr. 2018
T-2 Seminar, Los Alamos National Laboratory, Los Alamos, NM	Mar. 2018
<i>“Light Mediators to Dark Sectors”</i>	
Invited talk, American Physical Society April Meeting, Columbus, OH	Apr. 2018
<i>“Light mediators and terrestrial dark matter capture”</i>	
New Directions in Dark Matter and Neutrino Physics, Invited Talk, Perimeter Institute, Waterloo, CA	Jul. 2017
<i>“Models, Exotic Signatures and Proposed Searches”</i>	
XI International Conference on the Interconnection between Particle Physics and Cosmology, Invited Plenary Talk, Corpus Christi, TX	May 2017
<i>“Composite Higgs, Composite Mediators”</i>	
DM at LHC, UC Irvine, CA	Apr. 2017
<i>“New Physics in Nuclear Transitions? The 17 MeV Anomaly in <math>^8\text{Be}</math>”</i>	
Focus Workshop on Particle Physics and Cosmology, CTPU-IBS, Daejeon City, Korea	Dec. 2016
Beyond the Standard Model Workshop, MCTP, Ann Arbor, MI	Oct. 2016
LHC Awakens: A New Energy Frontier, Aspen Center for Physics Aspen, CO	Sep. 2016
Latin American Webinars on Physics, Google Hangouts on the Air (webcast)	Sep. 2016
LHC Run II Workshop, Santa Fe, NM	July. 2016
Cornell Particle Theory Seminar, Ithaca, NY	May. 2016
UMD Particle Theory Seminar, College Park, MD	May. 2016
UC Davis Theory Lunch, Davis, CA	May. 2016
SLAC Dark Sectors 2016 Workshop, Menlo Park, CA	April. 2016
<i>“Dark Sunshine”</i>	
Cal State Fullerton Physics Colloquium, Fullerton, CA	Mar. 2016
CSU Long Beach, Physics Colloquium, Long Beach, CA	Mar. 2016
<i>“Dark Photons from the Center of the Earth”</i>	
UT Austin Seminar, Austin, TX	Feb. 2017
UC Davis Theory Seminar, Davis, CA	May. 2016
PIKIO Workshop, Cincinnati, OH	Feb. 2016
MCTP Brown Bag Seminar, Ann Arbor, MI	Feb. 2016
SLAC Theory Seminar, Menlo Park, CA	Feb. 2016
UC Riverside Theory Seminar, Riverside, CA	Dec. 2015
TRIUMF Theory Seminar, Vancouver, Canada	Dec. 2015
UC Santa Barbara HEP Experiment & Phenomenology Seminar	Sep. 2015
New Directions to Shed Light on Dark Matter, Aspen, CO	Sep. 2015
SUSY 2015: 23rd Conference on SUSY & Unification, Lake Tahoe, CA	Aug. 2015
Anticipating 14 TeV: Insights from the LHC & Beyond, Munich, Germany	Jul. 2015
<i>“On-Shell Mediators” / “Heavy, Hidden Hooperon”</i>	
Fermilab HEP Theory Seminar, Batavia, IL	Dec. 2015
UC Davis HEFTI Seminar	Mar. 2015
Santa Cruz Institute for Particle Physics Theory Seminar, UC Santa Cruz	Mar. 2015
Santa Fe Summer Workshop: LHC After the Higgs, Santa Fe, NM	Jul. 2014
UCLA HEP Theory Seminar, Los Angeles, CA	Jun. 2014
UC Riverside High Energy Physics Seminar	May 2014
SLAC Theory Seminar, Menlo Park, CA	May 2014
Berkeley Center for Theoretical Physics Seminar	May 2014
<i>“Charged Lepton Flavor Violation in RS”</i>	
International Workshop for Charged Lepton Flavor Violation, Irvine, CA	May 2014
<i>“Stealthy Composite Stops”</i>	
Perimeter Institute Particle Physics Seminar, Waterloo, Canada	Nov. 2012
<i>“Goldstone Fermion Dark Matter”</i>	



UC PPFP Academic Retreat, Lake Arrowhead, CA	Apr. 2015
UCI Data Science Initiative: Software Carpentry	Feb. 2015
UC PPFP 30th Anniversary Meeting, Berkeley, CA	Oct. 2014
Model Building in the LHC Era, Aspen Center for Physics, Aspen, CO	Aug. 2014
Santa Fe 2014 Summer Workshop, Santa Fe, NM	Jul. 2014
SLAC Workshop on Physics at a 100 TeV Collider, Menlo Park, CA	Apr. 2014
Dark Matter in Southern California III Symposium, Pasadena, CA	Apr. 2014
Dark Matter in Southern California II Symposium, Pasadena, CA	Sep. 2013
TeV Particle Astrophysics, Irvine, CA	Aug. 2013
Prospects in Theoretical Physics, Princeton, NJ	Jul. 2013
Communicating Science 2013, Cambridge, MA	Jun. 2013
Phenomenology 2012 Symposium, Pittsburgh, PA	May 2012
Fundamental Physics at the Intensity Frontier, Rockville, MD	Dec. 2011
Soros Fellowship for New Americans Fall Conference, OSI, New York	Oct. 2011
Supersymmetry 2011, Fermilab, Batavia, IL	Sep. 2011
First Year of the LHC, KITP, Santa Barbara, CA	Aug. 2011
SUSY Breaking '11, CERN, Geneva, Switzerland	May 2011
Phenomenology 2011 Symposium, Madison, WI	May 2011
Soros Fellowship for New Americans Fall Conference, OSI, New York	Oct. 2010
Emerging problems in particle phenomenology, ITS at CUNY	Apr. 2010
Theoretical Advanced Studies Institute, University of Colorado at Boulder	Jun 2009
International Workshop on SUSY Breaking, Durham University IPPP	Apr. 2009
Young Researchers in Mathematics (Beyond Part III), Cambridge University	Apr. 2009
ICTP School on the Gauge/Gravity Correspondence, Trieste	May 2008
Marshall Colloquium, Association of Commonwealth Universities, London, UK,	May 2008
5th Part III Return Conference, Cambridge University	Apr. 2008
IOP HEPP Group Annual Meeting, University of Lancaster	Apr. 2008
Higgs–Maxwell Workshop: EWSB, Royal Society of Edinburgh	Feb. 2008
Young Experimentalists and Theorists Institute, Durham University IPPP	Jan. 2008
IPPP Annual Theory Meeting, Durham University	Dec. 2007
UK LHCb Annual Meeting, Durham University IPPP	Dec. 2007
Cosener's Forum on Heavy Flavor Physics, Cosener's House, Abingdon, UK	Jun. 2007

## TEACHING

<b>UC Riverside</b> , Riverside, CA	
<i>Lecturer</i> , Physics 165: Particle Physics	Winter 2018, 2019
<i>Lecturer</i> , Physics 231: Methods in Theoretical Physics	Fall 2016, 2017, 2018
<i>Lecturer</i> , Physics 208: General Relativity	Winter 2017
<i>Lecturer</i> , Physics 177: Computational Methods for Physical Sciences	Spring 2017, 2018
<b>Cornell University</b> , Ithaca, NY	
<i>Teaching Assistant</i> , Physics 3318: Analytical Mechanics	Spring 2013
<i>Teaching Assistant</i> , Physics 3327: Advanced Electricity & Magnetism	Fall 2012
<i>Course Grader</i> , Physics 7651: Quantum Field Theory I	Fall 2011
<b>UC Berkeley</b> , Berkeley, CA	
<i>Course Grader</i> , Physics 137A: Quantum Mechanics	Summer 2006
<b>Stanford University</b> , Stanford, CA	
<i>Teaching Assistant</i> , Physics 121: Electrodynamics II	Spring 2006
<i>Course Grader</i> , Physics 161: Cosmology	Spring 2006
<i>Course Assistant</i> , The Elementary Particles and their Fundamental Interactions	Summer 2004

RECENT PRESS	“Dark Matter Eludes Particle Physicists” NPR Science Friday	Jun. 2018
	“What’s the Universe Made of?” NOVA Wonders	May 2018
	“ <i>Nova Wonders</i> Asks ‘What’s the Universe Made Of’ Tonight,” Sarah Lewin, <i>Space.com</i> & Facebook Live interview	May 2018
	“NOVA Wonders Episode to Feature UCR Expert on Dark Matter,” Iqbal Pittalwala, <i>UCR Today</i>	Apr. 2018
	“Physicists Win Two Awards at Science Hack Day,” Iqbal Pittalwala, <i>UCR Today</i>	Oct. 2017
	“UCR physicists win ‘Best in Show’ and ‘Most Whimsical’ at Science Hack Day,” Cydney Contreras, <i>The Highlander</i>	Oct. 2017
	“Physicists Offer Explanation for Diverse Galaxy Rotations,” Iqbal Pittalwala, <i>UCR Science News</i>	Sep. 2017
	“Generation: First” <i>UCR Magazine</i> , Win. 2018 (Vol 13, No. 1)	
	“Protophobic Fifth-Force Interpretation of the Observed Anomaly in $^8\text{Be}$ ,” Physical Review Letters; Altmetric attention score <sup>1</sup> : 977	Aug. 2016
	“Nuclear Puzzle May Be Clue to Fifth Force”, Sean Nelson <i>UCR Today</i>	August 17, 2016
	Featured on <a href="http://pinoyscientists.com">pinoyscientists.com</a> (Filipino Scientists)	June 2016
	“One Higgs is the loneliest number”, Katie Elyce Jones, <i>Symmetry Magazine</i>	July 30, 2015
	“Hard times for theorists in a post-Higgs world”, Andrew Grant, <i>Science News</i>	June 13, 2013
REFEREING	Referee record is available at <a href="https://publons.com/author/637273/philip-tanedo">https://publons.com/author/637273/philip-tanedo</a> .	
	<b>Referee:</b> <i>Physics Review D</i> (APS)	2014, 2015, 2017, 2018
	<b>Referee:</b> <i>European Physical Journal C</i> (Springer)	2014, 2017 – 2018
	<b>Referee:</b> <i>Physics of the Dark Universe</i> (Elsevier)	2013, 2015
	<b>Referee:</b> <i>Annals of Physics</i> (Elsevier)	2013
	<b>Referee:</b> <i>Europhysics Letters</i> (EPS)	2012
SERVICE	<b>Mentor:</b> APS National Mentoring Community	2018 –
UNIVERSITY SERVICE	<b>Mentor:</b> UCR Graduate Student Mentoring Program	2017 – 2018
	<b>Discussion leader:</b> UCR GradEdge/JumpStart summer journal club Led a journal club to prepare incoming under-represented minority grad students.	2017
	<b>Media contact:</b> UCR Experts on Demand	2016 – 2018
DEPARTMENT SERVICE	<b>Committee:</b> Website	2017 –
	<b>Committee:</b> Outreach	2017 –
	<b>Committee:</b> Graduate Diversity	2017 –
	<b>Organizer:</b> UCR Physics Hack Day	2016 –
	<b>Committee:</b> Co-Chair: Summer Academy for HS teachers	2016 – 2018
	<b>Committee:</b> Early Universe Hiring Committee	2016 – 2017
	<b>Committee:</b> Chair: Open House Committee	2016 –
	<b>Committee:</b> UCR-CC Bridge	2016 – 2017
	<b>Committee:</b> Ernest Ma Retirement Symposium	2016 – 2017
	<b>Committee &amp; Advising:</b> Undergraduate Advisor	2016 – 2017
	<b>Social Media Outreach:</b> Particle Theory Twitter (UCR_HEP_Theory)	2017 –
OUTREACH	<b>Participant</b> (UCR leader): Science Hack Day (won best in show, most whimsical)	2017
	<b>Organizer:</b> ParticleBites <i>en Español</i> , a Spanish-language physics outreach blog Spanish-language outreach blog for particle physics.	2017 –
	<b>Mentor:</b> Paul & Daisy Soros Fellowship for New Americans	2017 – 2018

<sup>1</sup>Top 5% of all research outputs, #5 output from Phys. Rev. Lett., 99th percentile for outputs of the same age and source; <http://aps.altmetric.com/details/6976772>

<b>Discussion leader:</b> UC President's Fellow Spring Retreat; career navigation	2017
<b>Organizer:</b> Physical & Natural Science Book Club (Cellar Door Bookstore) Monthly discussion of popular science books with members of the community	2016 –
<b>Science Ambassador:</b> Science Hack Day San Francisco One of six invited scientists sponsored by Gordon & Betty Moore Foundation	2015
<b>Blogger, organizer, editor:</b> ParticleBites, a research digest Leads team of students who write about physics for the public.	2013 –
<b>Blogger:</b> US/LHC Blogs (Quantum Diaries), public outreach blog	2009 – 2012
<b>Lecturer:</b> Particle Physics for Undergrads (Cornell undergraduate research program)	2012
<b>Lecturer:</b> Stanford ESP SPLASH! and SHEP high school courses on particle physics	2005

#### OUTREACH TALKS & PANELS

<i>"The Physics of Star Wars"</i> UCR ARTSblock film screening and discussion	May. 2018
<i>"Breaking into Academia"</i> UCR TRIO Scholars Program	Apr. 2018
<i>"First-Gen Day Faculty Panel"</i> UCR First Generation Friday Panel	Jan. 2018
<i>"Surviving the Academic Job Market"</i> UCR Grad Success Panel	Nov. 2017
<i>"First Generation Academics"</i> UCR Grad Success Panel	Nov. 2017
<i>"I have no idea: A guide to finding your way in science"</i> Middle School Symposium talk, Riverside STEM Academy	Sep. 2017
High School Symposium talk, Riverside STEM Academy	Sep. 2017
<i>"Quantum Electrodynamics with Feynman Diagrams"</i> UCR Summer Physics Teacher Academy	Jun. 2017
<i>"Applying to Graduate School"</i> UCR Society of Physics Students	May 2017
<i>"Communicating through Social Media"</i> Communicating Science: San Diego, Invited Panelist	Sep. 2016
<i>"Data vs. Dark Matter: Opportunities for Open Science in Particle Physics"</i> Science Hack Day, San Francisco (Gordon & Betty Moore Science Ambassador)	Oct. 2015
<i>"Balancing writing your dissertation and finding a postdoc position"</i> Panelist, UCI Graduate Division & ADVACE Program	Nov. 2014
<i>"Here be dragons: [fairy] tales from beyond the Standard Model"</i> Cornell Society of Physics Students	Apr. 2013
<i>"The Physics of Angels &amp; Demons"</i> Cornell Institute for Physics Teachers	Jul. 2009
<i>"Applying for Graduate Fellowships Information Session"</i> Panelist, Cornell Physics Department	Oct. 2008
<i>"Quantum penguins hint at the nature of matter and antimatter"</i> Marshall Aid Commemoration Commission Colloquium, London, UK	May 2008

#### ADVISING

<b>Adam Green</b> , Ph.D student, UC Riverside	2018 –
<b>Kuntal Pal</b> , Ph.D student, UC Riverside	2018 –
<b>Ian Chaffey</b> , Ph.D student, UC Riverside	2017 –
<b>Syris Norelli</b> , undergraduate researcher, UC Riverside	2017 – 2018
<b>Adam Green</b> , undergraduate researcher, UC Riverside	2016 – 2017
<b>Ran Huo</b> , Postdoctoral Scholar, UC Riverside	2016 – 2018