CURRICULUM VITAE

Manuel Calderón de la Barca Sánchez

Personal Information

Work Address:	One Shields Ave Physics Department, University of California Davis, CA 95616
Phone:	1 (530) 554-2209
Fax:	1 (530) 752-4717
Email:	mcalderon@ucdavis.edu
Web Site:	nuclear.ucdavis.edu/~calderon/

Areas of Interest

Relativistic Heavy Ion Collisions

My focus is on heavy quark production in heavy ion collisions. My research group is involved in quarkonium measurements from p+p collisions, Au+Au collisions and d+Au collisions in STAR, and on dilepton production in Pb+Pb collisions with the CMS experiment at CERN. In both of these experiments, one of the key drivers of my research program is the study bottomonium production in heavy-ion collisions, and the possible modification of the bottomonium meson binding due to color deconfinement in the Quark-Gluon Plasma produced in the collisions. In addition, in the CMS experiment I also study the production of the Z boson. It can be used as a `standard candle' of the initial state of the collision, since the Z bosons studied via the dimuon and dielectron channels are not expected to be affected by the produced Quark-Gluon Plasma.

Education

Education and Training

1997-2001	Yale University, New Haven, CT, Ph.D., High Energy Nuclear Physics (John Harris), Dissertation: Charged Hadron Spectra in Au+Au Collisions at sqrt(s_{NN}) = 130 GeV, nucl-ex/0111004
1997-1999	Yale University, New Haven, CT, M.Sc. M.Phil., Physics
1996-1996	CINVESTAV, Mexico City, Physics, Preliminary graduate studies. Honors.
1991-1995	ITESM, Monterrey, N.L. Mexico, B. Sc., Engineering Physics, Honors (Mención Honorífica). Specialization: Optics & Control Engineering.

Employment

Employment History

7/2012-Present	UC Davis, Davis, CA, Professor, Focus on heavy flavor production in heavy ion collisions. Co-leader of UC Davis Heavy-Ion Group. My emphasis is on bottomonium production from p+p, d+Au, and Au+Au collisions in STAR and CMS, and on Z0 and bottomonium production in Pb+Pb collisions in CMS.
7/2008-7/2012	UC Davis, Davis, CA, Associate Professor, Co-convener of the STAR Heavy Flavor Working Group (2/2007-10/2009).
1/2006-7/2008	UC Davis, Davis, CA, Assistant Professor, Responsible for the quarkonium triggers of the STAR experiment during the 2006 RHIC run, and for all heavy flavor triggers since 2007. Developed triggers to perform quarkonium measurements and managed the task force to analyze the data, including the quality assurance of the triggered data, simulation efforts to estimate efficiency, and analysis techniques of the reconstructed data to optimize signal-to-background.
2/2007-10/2009	STAR Collaboration, Upton, NY, Co-convenor, Heavy Flavor Working Group, This group focuses on production of particles containing charm and beauty quarks. In addition to quarkonium, this area involves steering the measurements of semi-leptonic decays of heavy flavor quarks, correlations related to heavy quark decays, as well as direct reconstruction of open charm; planning of run scenarios and requests of beam usage related to heavy flavor measurements physics input to planned upgrades to the STAR experiment with relevance to heavy quark measurements.
9/2004-12/2005	Indiana University, Bloomington, IN, Assistant Professor, Laid the groundwork for measurements of heavy flavor production in the STAR Detector during the 2004 Au+Au data taking run. Supervised quarkonium studies, trigger implementations during online data-taking, and analysis of the triggered data offline. Successfully tested the quarkonia triggers into a combined Level-0 (hardware) + Level-2 (software) scheme for the first time in the STAR experiment during the 2005 p+p data taking run. Mentor at IU: Steven Vigdor.
9/2003-9/2004	Brookhaven National Laboratory, Upton, NY, Assistant Physicist, Finalized a study on the prospects for quarkonia measurements in STAR. STAR Deputy Reconstruction Software Leader, focusing on the integration of a new tracking package for STAR. Supervisors at BNL: Dr. Thomas Ullrich and Dr. Timothy Hallman.

12/2001-9/2003	Brookhaven National Laboratory, Upton, NY, Research Associate
1/1997-12/2001	Yale University, Relativistic Heavy Ion Group, New Haven, CT, Research Assistant
6/1996-12/1996	CERN, Geneva, Switzerland, Student, CERN Summer Student Program 1996. Research Assistant, NA49 Experiment. Supervisor: Dr. Andrés Sandoval.

Extending Knowledge

Broadcast, Print or Electronic Media

1. Strange Antihyperparticle Created, Newspaper Article, March 30, 2010, UC Davis News.
2. Large Hadron Collider throws lead, Newspaper Article, November 4, 2010, UC Davis News.
3. Heaviest antimatter found, Newspaper Article, April 27, 2011, UC Davis News.
4. Subatomic mythbusters: Confirmed, Website, April 8, 2011, Fermilab Today.
5. Bringing nuclei together breaks quarks apart, Website, July 28, 2011, APS Physics.
6. Secrets of the Universe, Other, 2013-2017, K2 Communications, Giant Screen Film.

Workshops, Conferences, Presentations and Short Courses

1. The Physics of the LHC, Invited Speaker, Senior citizens, Osher Lifelong Learning Institute, October-November 2014, 30 Attendees.
2. Hot Quarks: Workshop for young scientists in ultra relativistic heavy-ion physics, Organizer, Early career heavy-ion physicists, Puerto Rico, 2012, 70 Attendees.
3. The strongest force in Nature, Keynote Speaker, Undergraduate women and minority students, SACNAS Chapter, UC Davis, Dinner with Professionals, May 2014, 50 Attendees.
4. The Strongest Force in Nature, Colorful Gluons, and Beautiful Quarks, Invited Speaker, Families with young children, AAAS Conference, Family Science Days, 14/Feb/2015, 80 Attendees.

Grants and Contracts

Grants Active

07/15/14 - 06/30/17	Grant #1404281, $1,050,000, Co-Principal Investigator, Studies of the Quark-Gluon Plasma with STAR and CMS at UC Davis, Daniel Cebra (Principal Investigator), National Science Foundation
05/01/13 - 04/30/16	Grant #1004848, $279,000, Co-Principal Investigator, Physics at UC Davis - REU Site, Rena Zieve (Principal Investigator), National Science Foundation
07/01/2014 -	Grant #1322527, $67,841, Co-Principal Investigator, Full-Scale

05/31/16	Development: Secrets of the Universe, K2 Communications - National Science Foundation

Grants Completed

04/01/07 - 03/31/13	NSF Grant #0645773, $900,000, Principal Investigator, CAREER: Studies of Heavy Quarkonium Production in Relativistic Heavy-Ion Collisions at UCD, National Science Foundation
08/01/10 - 12/31/12	NSF Grant #1038404, $5,000, Principal Investigator, Hot Quarks - A Workshop on The Physics of Ultrarelativistic Nucleus-Nucleus Collisions for Young Scientists, National Science Foundation
08/01/11 - 09/30/14	NSF Grant #1068833, $792,000, Co-Principal Investigator, Quantifying Key Properties of the Quark-Gluon Plasma, Daniel Cebra (Principal Investigator), National Science Foundation
07/01/13 - 06/30/14	$1,000, Principal Investigator, UC MEXUS, UC Davis University Outreach and International Progs. (UOIP)

Honors & Awards

1991-1995	Programa Suplementario de Educación. ITESM extra-curricular merit program consisting of seminars, workshops and language courses with focus on development of leadership, team integration and problem solving skills as well as cultural interests and activities.
1996	Verano Científico Fellowship. Award sponsored by the Mexican Physical Society, Division of Particles and Fields for students to participate in high energy physics experiments at CERN.
2007	NSF CAREER: Faculty Early Career Development Award. Proposal: Studies of Heavy Quarkonium Production in Relativistic Heavy-Ion Collisions at UC Davis.
2009	MLK/César Chávez/Rosa Parks Visiting Professor. Award to visit Wayne State University in Detroit and to visit several Detroit Public Schools to speak with elementary school students about life as a physicist.
2010	UC Davis, Mathematical and Physical Sciences Division, Research Award.
2012-13	Association of Students of UCD Nominee for Excellence in Education.
2013-14	UC Davis Distinguished Teaching Award
2013-14	European Physical Society High Energy and Particle Physics Prize, for an outstanding contribution to High Energy Physics, awarded to the ATLAS and CMS collaborations, “for the discovery of a Higgs boson, as predicted by the Brout-Englert-Higgs mechanism”.
2013-14	SACNAS UC Davis Chapter Award for "Commitment to Students"

Invited Talks

2001 February 1, **First Results from Charged Hadron Spectra in STAR**, Seminar, Lawrence Berkeley National Laboratory, Berkeley, California.

2001 March 27, **Heavy Ions at RHIC: A Tour of the Experiments and Latest Results**, Colloquium, UNAM, Mexico D.F., Mexico.

2001 March 28, **The STAR Experiment at RHIC: What Have We Learnt So Far?**, Seminar, Universidad Nacional Autonoma de Mexico (UNAM) and Centro de Investigacion y de Estudios Avanzados (CINVESTAV), Mexico D.F., Mexico.

2002 September 9, **Spectra Physics at RHIC: Highlights from 200 GeV Data**, XXXII International Symposium on Multiparticle Dynamics, Alushta, Ukraine.

2002 November 2, **Recent Advances from the STAR Experiment: Inclusive Spectra and Azimuthal Correlations**, X Mexican School of Particles and Fields, Playa del Carmen, Q. Roo, Mexico.

2003 September 7, **Review of Spectra at RHIC**, XXXII International Symposium on Multiparticle Dynamics, Krakow, Poland.

2004 June 16, **RHIC Experimental Summary**, Strong and Electroweak Matter '04, Helsinki, Finland.

2004 July 22, **Electrons (and Electron Pairs) in STAR**, Hot Quarks '04, Taos, New Mexico.

2004 October 22, **Size Matters: Spacetime Geometry in Subatomic Collisions**, SACNAS (Society for the Advancement of Chicanos and Native Americans in Science) National Conference 2004, Austin, TX.

2004 November 6, **D Meson Production from d + Au Collisions**, Hard Probes 2004, Ericeira, Portugal.

2006 April 21, **Results from Heavy Flavor Production in STAR**, DIS2006 (XIV International Workshop on Deep Inelastic Scattering), Tsukuba, Japan.

2006 November 4, **Recent Results from RHIC: Experimental Overview**, SILAFAE 2006 (VI Latin American Symposium on High Energy Physics, Joint with XII Mexican School of Particles and Fields), Puerto Vallarta, Mexico.

2006 November 14, **STAR Highlights on High-pT, Heavy Flavor and Electromagnetic Probes**, Quark Matter 2006 (19th International Conference on Ultra-Relativistic Nucleus-Nucleus Collisions), Shanghai, China.

2008 June 27, **Review of Heavy Flavor, High-pT and Electromagnetic Probes**, Characterization of the Quark Gluon Plasma with Heavy Quarks, Bad Honnef Germany.

2009 April 22, **Exploring the Forces of Nature**, Visit at Elementary Schools, Detroit Public School System.

2009 April 23, **Have We Reached the Bottom at RHIC?**, Colloquium, Wayne State University, Detroit, MI.

2009 October, **Have we reached the bottom at RHIC?**, SACNAS National Conference 2009. Scientific Symposium. Dallas, TX.

2010 January, **Quarkonia in STAR: Results and Future Plans**, 26th Winter Workshop on Nuclear Dynamics. Ocho Rios, Jamaica.

2010 October, **Exploring the Forces of Nature**, B.B. Rice Elementary School. Conroe, TX.

2011 July, **Recent Results from STAR**, eXtreMexico: Workshop on eXtreme QCD. San Carlos, Sonora, Mexico.

2011 July, **Dimuon results in PbPb and pp collisions in CMS**, Particles And Nuclei International Conference (PANIC) 2011. Cambridge, MA.

2012 May, **Overview of Heavy Flavor Results from STAR**, Hard Probes 2012, Plenary Talk. Cagliari, Italy..

2012 June, **Heavy Flavor and Heavy Quarkonia in Heavy Ions with CMS**, Workshop on Heavy Flavor Production in High-Energy Nuclear Collisions. Chicago, Il..

2012 July, **Results from Relativistic Heavy Ion Collisions**, The LHC, Particle Physics, and the Cosmos. Auckland, NZ..

2012 August, **A Panoramic View of Heavy Flavor Results from QM12.**, Jet Modification in the RHIC and LHC Era. Detroit, MI..

2013 February, **Quarkonium Results in PbPb Collisions at CMS**, Winter Workshop on Nuclear Dynamics. Squaw Valley, CA.

2013 May, **The Quest for Beauty in Heavy Ion Collisions**, Physics Colloquium. UC Riverside. Riverside, CA..

2014 September, **A Panorama of Bottomonium Results (with focus on STAR and CMS)**, University of Washington, Institute of Nuclear Theory, Workshop on Heavy Flavor and Electromagnetic Probes in Heavy-Ion Collisions.

2014	December, **Weak Boson Results from CMS: Probing the Initial State in Nuclear Collisions Using Electroweak Measurements**, Initial Stages in High-Energy Nuclear Collisions. Napa, CA.
2015	January, **Upsilon Results from STAR**, Winter Workshop on Nuclear Dynamics, Keystone, CO.
2015	February, **The Strongest Force in Nature, Colorful Gluons, and Beautiful Quarks**, AAAS Conference, Family Science Days..

Service

Committees

Campus

2009	Member - New Faculty Orientation: Discussion Panel of Newly Tenured Faculty.
2009	Invited Speaker, Discussion Panel - New Faculty Orientation.
2009	Member - UC Davis STEM Preview Day, Faculty Panel.
2009	Invited Speaker - Professors for the Future Program.
2010	Invited Speaker, Discussion Panel - New Faculty Orientation.
2011	Invited Speaker - Visit from O'Dowd High School to UC Davis.
2012-13	Member - General Education Committee.
2013-14	Ambassador, Speaker - Visit from College of the Canyons to STEM Departments, Organized by through the UCD McNair Scholars Program.
2013-14	Member - Strength Through Equity and Diversity (STEAD) Committee, UC Davis ADVANCE.
2014-2015	Member - Strength Through Equity and Diversity (STEAD) Committee, UC Davis, ADVANCE.
2014-2015	Member - International Programs Advisory Committee, UC Davis.

Systemwide

2012-13	Reviewer - UC MEXUS Grant and Postdoctoral Fellow review panel.
2013-14	Reviewer - UC MEXUS Grant and Postdoctoral Fellow Review Panel.
2013-14	Member - UC MEXUS Advisory Committee.
2014-2015	Member - UC-Mexico Initiative, Student Mobility Task Force.
2014-2015	Member - UC MEXUS Advisory Committee.

Other University

2011-12	UC Davis Physics REU Program.
2011-12	SACNAS - Judging posters, faculty contact, and manning of the UC Davis Exhibitor booth in support of the campus's role as Platinum Sponsor of SACNAS '11.
2013-2014	Mentor - SACNAS Chapter, UC Davis.

Other Non-University

2007	Co-Convenor - STAR Heavy Flavor Physics Working Group (PWG). This is an activity to which I devoted the largest fraction of my research time and professional service time. For the aspects which pertain to service, one major contribution is the supervision of all talks and proceedings from the PWG. The published proceedings from analyses done in the Heavy Flavor group which I reviewed and approved are listed in the Candidate's Statement.
2007	RHIC/AGS Users' Executive Committee (Working Groups: Funding, Politics and Programmatics Committee; Quality of Life Committee).
2007	Local Organizing Committee, Colliders to Cosmic Rays.
2007	STAR Talks Committee.
2008	Co-Convenor - STAR Heavy Flavor Physics Working Group (PWG).
2008	RHIC/AGS Users' Executive Committee (Working Groups: Funding, Politics and Programmatics Committee; Quality of Life Committee).
2008	SACNAS Committees for 2008 National Conference: Served in abstract selection committee; served as judge for posters and presentations.
2008	Local Organizing Committee, DNP 2008.
2008	Local Organizing Committee, Hot Quarks 2008.
2008	Local Organizing Committee, STAR Collaboration Meeting at UC Davis.
2008	STAR Talks Committee.
2009	Co-Convenor - STAR Heavy Flavor Physics Working Group (PWG).
2009	RHIC/AGS Users' Executive Committee (Working Groups: Funding, Politics and Programmatics Committee; Quality of Life Committee).
2009	Co-organizer - RHIC & AGS Annual Users' Meeting, Workshop on Heavy Flavor Physics.
2009	Local Organizing Committee, Hot Quarks 2010.
2009	SACNAS Committees for 2009 National Conference. Served in abstract selection committee; served as judge for posters and presentations.
2009	Participant - 2009 Adopt-a-Physicist Program, Spring.
2009	Participant - 2009 Adopt-a-Physicist Program, Fall.
2010	Reviewer - NSF CAREER Proposal Review Panel.
2010	Physicist "Adoptee" - Adopt-a-Physicist Program.
2011	Local Organizer - STAR Analysis Meeting at UCD.
2011-14	Physicist "Adoptee" - Adopt-A-Physicist Program.
2012-13	DOE Nuclear Physics grant reviewer.

Editorial and Advisory Boards

2008-09	Editor: Hot Quarks Conference Proceedings.
2009	Referee, Hot Quarks volume of The European Physical Journal (4 publications reviewed).
2009-10	Editor: Hot Quarks Conference Proceedings.
2010-11	Editor: Hot Quarks Conference Proceedings.
2011	Referee: Physical Review C.
2011-12	Editor: Hot Quarks Conference Proceedings.
2013-2015	UC MEXUS Advisory Committee.

Teaching

Courses

2004	Fall Semester, Course Number=P202, General Physics (at Indiana University), Undergraduate Count=0, Graduate Count=0, Percentage Effort=100
2005	Fall Semester, Course Number=P201, General Physics (at Indiana University), Undergraduate Count=0, Graduate Count=0, Percentage Effort=100
2006	Spring Quarter, Course Number=Phy 7C, General Physics-Lecture, Units=4, Undergraduate Count=266, Graduate Count=0, Percentage Effort=100
2006	Fall Quarter, Course Number=Phy 7C, General Physics-Lecture, Units=4, Undergraduate Count=150, Graduate Count=0, Percentage Effort=100
2007	Winter Quarter, Course Number=Phy 7C, General Physics-Discussion/Lab, Units=4, Undergraduate Count=240, Graduate Count=0, Percentage Effort=100
2007	Spring Quarter, Course Number=Phy 129A, Introduction to Nuclear Physics, Units=4, Undergraduate Count=8, Graduate Count=0, Percentage Effort=100
2007	Fall Quarter, Course Number=Phy 102, Computational Lab in Physics, Units=1, Undergraduate Count=29, Graduate Count=0, Percentage Effort=100
2007	Fall Quarter, Course Number=Phy 105A, Analytical Mechanics, Units=4, Undergraduate Count=47, Graduate Count=0, Percentage Effort=100
2008	Winter Quarter, Course Number=Phy 105B, Analytical Mechanics, Units=4, Undergraduate Count=34, Graduate Count=0, Percentage Effort=100
2008	Spring Quarter, Course Number=Phy 129A, Introduction to Nuclear Physics, Units=4, Undergraduate Count=18, Graduate Count=0, Percentage Effort=100
2008	Fall Quarter, Course Number=Phy 102, Computational Lab in Physics, Units=1, Undergraduate Count=41, Graduate Count=0, Percentage Effort=100
2008	Fall Quarter, Course Number=Phy 105A, Analytical Mechanics, Units=4, Undergraduate Count=47, Graduate Count=0, Percentage Effort=100
2009	Winter Quarter, Course Number=Phy 105B, Analytical Mechanics, Units=4, Undergraduate Count=35, Graduate Count=0, Percentage Effort=100
2009	Spring Quarter, Course Number=Phy 129A, Introduction to Nuclear Physics, Units=4, Undergraduate Count=13, Graduate Count=0, Percentage Effort=100
2009	Fall Quarter, Course Number=Phy 102, Computational Lab in Physics, Units=1, Undergraduate Count=27, Graduate Count=0, Percentage Effort=100

2009	Fall Quarter, Course Number=Phy 105A, Analytical Mechanics, Units=4, Undergraduate Count=48, Graduate Count=1, Percentage Effort=100
2010	Winter Quarter, Course Number=Phy 105B, Analytical Mechanics, Units=4, Undergraduate Count=36, Graduate Count=3, Percentage Effort=100
2010	Winter Quarter, Course Number=Phy 291, Nuclear Physics Seminar, Units=1, Undergraduate Count=0, Graduate Count=6, Percentage Effort=100
2010	Spring Quarter, Course Number=Phy 129A, Intro Nuclear Physics, Units=4, Undergraduate Count=9, Graduate Count=1, Percentage Effort=100
2010	Spring Quarter, Course Number=Phy 291, Nuclear Physics Seminar, Units=1, Undergraduate Count=0, Graduate Count=4, Percentage Effort=100
2010	Fall Quarter, Course Number=Phy 102, Computational Lab in Physics, Units=1, Undergraduate Count=41, Graduate Count=0, Percentage Effort=100
2010	Fall Quarter, Course Number=Phy 105A, Analytical Mechanics, Units=4, Undergraduate Count=86, Graduate Count=0, Percentage Effort=100
2011	Winter Quarter, Course Number=Phy 105B, Analytical Mechanics, Units=4, Undergraduate Count=60, Graduate Count=0, Percentage Effort=100
2011	Spring Quarter, Course Number=Phy 129A, Intro Nuclear Physics, Units=4, Undergraduate Count=21, Graduate Count=0, Percentage Effort=100
2011	Spring Quarter, Course Number=Phy 291, Nuclear Physics Seminar, Units=1, Undergraduate Count=0, Graduate Count=11, Percentage Effort=100
2011	Fall Quarter, Course Number=Phy 105A, Analytical Mechanics, Undergraduate Count=71, Graduate Count=0
2012	Winter Quarter, Course Number=Phy 105B, Analytical Mechanics, Units=4, Undergraduate Count=37, Graduate Count=0, Percentage Effort=100
2012	Spring Quarter, Course Number=224C, Intro Relativistic Heavy Ion Physics, Units=3, Undergraduate Count=3, Graduate Count=8, Percentage Effort=100
2012	Fall Quarter, Course Number=P105A, Analytical Mechanics, Undergraduate Count=80, Graduate Count=0
2013	Winter Quarter, Course Number=252C, Statistical Data Analysis for Particle/Nuclear Physics, Undergraduate Count=0, Graduate Count=5
2013	Spring Quarter, Course Number=9A, Classical Physics, Units=4, Undergraduate Count=160, Graduate Count=0
2013	Fall Quarter, Course Number=9A, Classical Physics, Units=4, Undergraduate Count=163, Graduate Count=0
2014	Winter Quarter, Course Number=252C, Statistical Data Analysis for Particle/Nuclear Physics, Units=3, Undergraduate Count=0, Graduate Count=5

2014	Fall Quarter, Course Number=105A, Analytical Mechanics, Units=4, Undergraduate Count=76, Graduate Count=0
2015	Winter Quarter, Course Number=224C, Intro Relativistic Heavy Ion Physics, Units=3, Undergraduate Count=0, Graduate Count=3

Special Advising

2009	Physics Department Ombudsperson
2010	Physics Department Ombudsperson

Student Advising

2007 - 2008	Number of undergraduate advisees: (4), Number of graduate advisees: (2)
2008 - 2009	Number of undergraduate advisees: (6), Number of graduate advisees: (2)
2009 - 2010	Number of undergraduate advisees: (3), Number of graduate advisees: (3)
2010 - 2011	Number of undergraduate advisees: (4), Number of graduate advisees: (3)
2011 - 2012	Number of undergraduate advisees: (4), Number of graduate advisees: (4)
2012 - 2013	Number of undergraduate advisees: (11), Number of graduate advisees: (4)
2013 - 2014	Number of undergraduate advisees: (12), Number of graduate advisees: (6)
2014 - 2015	Number of undergraduate advisees: (5), Number of graduate advisees: (3)

Thesis Committees

2006-2011	Orpheus Mall, Member, Ph.D., In Progress
2006-2012	Cara Henson, Member, Ph.D., Awarded, Postdoctoral Fellow
2006-2016	Randy Nelson, Member, Ph.D., In Progress
2007-2011	Rosi Reed, Chair, Ph.D., Awarded, Postdoctoral Fellow
2007-2011	Jorge Robles, Chair, Ph.D., Awarded, R&D, Decision Sciences Corp.
2007-2013	Renjun Xu, Member, Ph.D., Awarded
2008-2014	Guillermo Breto, Chair, Ph.D., Awarded, Data scientist, Bloomberg
2008-2014	Samantha Brovko, Co-Chair, Ph.D., Awarded
2008-2014	Jeremy Mock, Member, Ph.D., Awarded
2010-2014	Anthony Kesich, Chair, Ph.D., Awarded
2010-2014	Evan Sangaline, Co-Chair, Ph.D., Awarded, Postdoc
2010-2014	Michael Gardner, Chair, Ph.D., Awarded
2010-2015	Rylan Conway, Chair, Ph.D., In Progress
2011-2016	Christopher Flores, Co-Chair, Ph.D., In Progress
2012-2012	Christopher Powell, Member, Ph.D., Awarded
2012-2017	Chad Flores, Chair, Ph.D., In Progress
2013-2018	Kathryn Meehan, Co-Chair, Ph.D., In Progress
2013-2018	Joshua Gearhart, Chair, Ph.D., In Progress