

Curriculum Vitae

Eron G Manusov, M.D.

Clinical Professor
Department of Human Genetics
South Texas Diabetes and Obesity Institute
University of Texas Rio Grande Valley
School of Medicine

Contact Information

BBRHB 2.237
One W. University Dr.
Brownsville, Texas 78520
Phone: (956) 882-7511
Email: eron.manusov@utrgv.edu

Education & Training

1984	M.D.	Medicine	Uniformed Services University of the Health Sciences, Bethesda, MD
1980	B.S.	Psychobiology	University of California, Riverside, CA

Fellowship

1993-1994	Academic Medicine	University of North Carolina, Chapel Hill, NC, United States
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Residency

1984-1987	Family Medicine	David Grant Medical Center, Travis AFB, CA
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Expertise

Leadership - My leadership style is transformational, focusing on maximizing team dynamics to improve outcomes, although I am a servant leader. I am interested in interprofessional integrated practice, education, and how team dynamics function best. My training began as a senior leader in the USAF, followed by a Fellowship in Academia and Leadership and AAMC Leadership Training. I served as Vice President of the Duke Southern Regional AHEC, Inaugural UTRGV Chair, Department of Family and Community Medicine, Assistant Dean Education-Clinical, and Inaugural Program Director for two programs. I have served on International, National, and State level Committees.

Research – My research and grants include over 10 million dollars of funding to develop models of care for underserved populations. I have submitted two RO1 as P.I. and am a co-investigator on other grants. As Director of Translational Science, I assist with the clinical research of grants and publications. My passion is with the intersection of social determinants of health and genetics related to chronic disease. As a grant reviewer, presentation reviewer, and journal reviewer, my concentration is on qualitative research, behavior, implementation science, and social determinants of health. I also direct the research curriculum for GME and serve as a research mentor of medical students.

Clinical - I am skilled in managing complex chronic diseases, mental illness, and sports medicine. I focus on integrated care (especially at the community level), healthcare disparities, social determinants of health, population management, and how health intersects with wellbeing. I practice population and evidence-based medicine, integrated care and implementation science, in inpatient medicine settings, outpatient medicine clinics, and a specialty niche for the care of adolescents with substance abuse disorders, mental illness, and medical illness.

Teaching – I focus on UME, GME, and Community education. As Chair of the National Rural Health Association, Committee on Diversity, I sponsored nine years of conferences. For the last 30 years, I have participated in multiple committees ranging from Family Medicine, Academic Medicine, and Sports Medicine. I served as Clerkship Director, Director of Behavioral Medicine, State Continuing Medical Education Director, Program Director, Chair of Family and Community Medicine, and Assistant Dean for Education, Clerkships. Teaching is a passion.

Academic Appointments

2014-present

Director of Translational Science, Department of Human Genetics South Texas Diabetes and Obesity Institute

The University of Texas, Rio Grande Valley School of Medicine

Details: *Assists with the addition and orientation of clinical transformational genetics research, emphasizing chronic disease, genetics, genetics and the environment, and implementation science. Implementation science is used to provide strategies to implement and disseminate evidence-based strategies in clinical care. I am interested in health disparities and the cross road of health and the environment in vulnerable populations, especially concerning chronic illness*

Inaugural Program Director Knapp Family Medicine Program

The University of Texas, Rio Grande Valley School of Medicine

Knapp Family Medicine Residency

Details: *Inaugural program director to the third Family Practice residency located in the UTRGV mid-valley, responsible for the development and growth of the family medicine clinic and residency. I helped to design the building, the curriculum, and the outpatient*

clinic. Our provisional and 10-year site visits were successful on the first visit. Our integrated care curriculum was praised for innovation. We built the inpatient team into the existing hospitalist team, and after three years, we are running a Family Medicine Team, and all residents are poised to graduate with a 100% pass rate and all metrics met. We filled all three classes with excellent residents who have ties to South Texas to stay and serve the Valley.

Inaugural Clinical Professor and Chair, Department of Family Medicine

The University of Texas, Rio Grande Valley School of Medicine and Preventive Medicine

Details: *Inaugural Chair for the UTRGV SOM Department of Family Medicine. The department grew from 4 faculty to 26 faculty, and we added 30 staff to provide integrated care to 4 clinics and a mobile medical unit. Under my leadership, we garnered over 2 million dollars of DSRIP funding and built the clinical and educational components of two GME sites from the ground up. In addition, we were able to raise the existing FMR from probation to a 100% pass rate. The three clinics provide full-spectrum family medicine, and one has reached level 3 PCMH recognition. All three programs serve as sites for interprofessional learners. We developed a Sports Medicine clinic, Integrated Behavioral Medicine service, and PharmD learning sites.*

Inaugural Assistant Dean, Department of Medical Education, Clerkships

The University of Texas, Rio Grande Valley School of Medicine

Details: *The Assistant Dean reports to the Senior Assistant Dean for Medical Education and is responsible for the Clinical Education Curriculum. Under the department, the services include Clinical Skills, Simulation, Ultrasound Curriculum, Preceptorships/SCOPE (Student Continuity of Practice Experience), Basic Sciences Clinical Correlation Curriculum, Longitudinal Integrated Curriculum, Clerkships, Community Services Learning, and the Transitions Curriculum. Under my supervision, we built the staff infrastructure, recruited and trained over 60 community faculty, and designed the initial MS3/MS4 curriculum. As inaugural faculty, I worked with the Institute for Transformational Learning, the Curriculum Committee, and executive leadership to pass the Provisional LCME site visit with zero citations.*

Inaugural Program Director Doctors Hospital at Renaissance Hospital Family Medicine Residency Program

The University of Texas, Health Sciences Center San Antonio, Department of Family and Community Medicine, Edinburg, TX

Details: *I was one of the three inaugural program directors recruited to create the GME programs. DHR FMR was the first program, and we passed our initial site visit with one citation. We built the curriculum based on integrated interprofessional care with the design to add a sports medicine fellowship. I recruited a talented PharmD who developed an integrated Pharm curriculum for the residency and the School of Medicine. He rose to Vice Chair of Research. Under my leadership, six faculty attended a faculty development fellowship, and all five progressed to senior leadership positions in service of the School of Medicine. We partnered with the P.A. School, the College of Education and P-16 Integration, the UTHSCSA School of Dentistry, and multiple community service organizations.*

05/2011 - 12/2013

**Vice President Clinical and
Educational Services**

**Duke University/Southern
Health Education Center AHEC**

Details: I was responsible for the financial, clinical, and administrative management of the Family Medicine Clinic, PharmD residencies, Marriage, and Family Therapy Residency, Faculty Development Fellowship, and the Specialty Clinic offering Infectious Disease, Child Abuse Evaluation, Pediatric Hematology, Cardiology, and Ryan White Funding in coordination in the health system. Through my leadership, we passed the ACGME site visit, improved positive financial stability, and received NCQA Level 3 recognition as a Patient-Centered Medical Home. Under my leadership, we added an Academic Fellowship and an inpatient and outpatient PharmD program. Our graduate pass rate was greater than 90%, and over 90% of our graduates remained in underserved areas in North Carolina. I served as Chair of the Cape Fear Hospital Ethics Committee.

5/2009 - 06/2011

Associate Professor

Florida State University, COM

Details: My assignment of responsibility included teaching, research, service, and clinical care. I was the course director for the behavioral medicine course and managed several research grants. I taught in the clinical skills laboratory and participated in other courses. As an FSU Bridge Program mentor, I mentored two students per year. The Bridge program is a medical school post-graduate Masters degree program that identifies under-represented minorities. Through an intensive one-year program helps the graduates matriculate and graduate from the college of medicine. I published four manuscripts in peer-review journals, received two grants, and completed two research projects during my tenure. I presented the results in Turkey, Spain, Scotland, and multiple venues in the U.S. I served as faculty director for Maimonides Interest Group and Latino Medicine Interest Group

05/2006 - 06/2007

Faculty Physician

**Presbyterian Intercommunity
Family Practice Residency Program,
Whittier, CA**

Details: I served as clinical faculty, managing a faculty clinic and teaching. As Medical Review Officer, I increased by 70 percent the number of physical exams for the company and maintained the Medical Review. I served as a member of the Utilization Management Committee and led the research curriculum.

05/1996 - 05/1998

**Assistant Professor and
Fellowship Director**

**Uniformed Services University of the
Health Sciences, Department of
Department of Family Medicine,
Bethesda, MD**

Details: Director, USUHS Primary Care Sports Medicine Fellowship. As Inaugural Director, Primary Care Sports Medicine, we created the curriculum, recruited the community faculty, and trained two fellows per year for Military Primary Care Physicians in Sports Medicine.

05/1993 - 05/1998

Assistant Professor

**Uniformed Services University of
Sciences, Department of Family
Medicine, Bethesda, MD**

***Details:** My responsibilities included Director of the third year MS3 Family Medicine rotation, a year-long course for developing and managing 150 students at six clinical sites. Twenty percent of my assignment included teaching behavioral medicine didactic and small group education on the role of behavior in medicine, the introduction to clinical medicine course, Human Context in Medicine course, and Medical Ethics. I practiced full-service family medicine to include obstetrics.*

05/1993 - 05/1997

**Assistant Professor
Faculty Physician**

**Uniformed Services University of the
Sciences, Department of Military and
Emergency Medicine, Bethesda, MD**

***Details:** The Department of Military and Emergency Medicine was responsible for teaching military contingency medicine. I deployed with the Combat Casualty Care Center to Bosnia during Operation Freedom. In addition, we deployed four times a year with the students to teach military contingency medicine. Each deployment was one week of highly intensive experience using simulation in various stages of deployment medicine. I was also involved in the military medicine lecture series.*

05/1990 - 05/1993

Faculty Member

**Scott AFB Family Medicine
The program, Scott AFB, IL**

***Details:** The Family Medicine Residency is one of 6 USAF Family Medicine Residency programs. Faculty practiced full-service inpatient and outpatient family medicine that included Obstetrics. My assignment of responsibilities included teaching and leading the Balint resident support groups.*

NON-ACADEMIC APPOINTMENTS:

12/2009-2013

Disability Evaluation

Florida Disability Determination

Details: Followed disability determination policies to evaluate government claims for disability.

05/2007 - 06/2009

Medical Director

**Robeson Health Care Corporation, Maxton,
Maxton, NC**

***Details:** Our diabetes management program and process improvement maintained 85% conformance with diabetic guidelines. I developed an Opioid Management plan that improved the management of chronic pain and decreased the inappropriate prescriptions of opioid prescriptions by 20 percent. The corporation manages multi-million-dollar federal grants, four health clinics, and an extensive substance abuse education and treatment center. As Medical*

Director, I managed 6 Federally Qualified Health Centers that provide care to under-served populations in rural North Carolina.

05/2003 - 10/2006 CEO/Director

**Carolina Family Health and
Rehabilitation Center, Mt Gilead, NC**

***Details:** Skills in management and leadership resulted in developing the only integrated cardiac and physical rehabilitation center, with weight loss and risk factor reductions clinics and a multi-specialty approach to healthcare that included a physical therapist, nutritionist, massage therapist, speech therapist, and psychologist.*

05/1998 - 05/2003 Medical Director

FirstHealth, NC Mt Gilead, NC

Patient care in rural North Carolina provided care to a diverse rural population with severe complications of chronic disease. I focused care on reducing health care disparities. I represented the five clinics for the FirstHealth Organization. Details: Medical Director for Montgomery County Family Care Centers, FirstHealth, NC.

05/1987 - 05/1990 Clinical Physician

**475th Medical Group, Yokota Air Base,
Japan, 475th Medical Group**

***Details:** Family Practice Staff at the 475th Medical Group, Yokota Air Base, Japan. We were responsible for the full-service inpatient/outpatient and obstetrics health care for the USAF and Civilian employees. My assignment included director of immunizations, and as the PACAF allergist, I provided Allergy and Immunology consult for Korea, the Philippines, Japan, and Hong Kong. I was involved in military training, biochemical and nuclear warfare, and deployments to the Pacific Air Command region.*

Certification and Licensure

Board Certification

<u>Description/Agency</u>	<u>Status</u>	<u>Date Acquired</u>	<u>Number</u>	<u>Expiration</u>
Family Medicine Board Certification - American Board of Family Medicine	Certified	07/1987	n/a	11/2027
Advanced Cardiac Life Support	Active	12/2017		12/2019
Medical Education Research Certificate (MERC) - American Association of Medical Colleges, (AAMC)		01/2010	n/a	n/a
AHA ACLS - American Heart Association	n/a	01/2008	n/a	01/2011

Certificate of Added Qualification Sports Medicine - American Board of Family Medicine	Qualified	06/1994	n/a	06/2004
Certification and Approved Consultant Status - American Society of Clinical Hypnosis	n/a	01/1994	n/a	01/2004
Advanced Trauma Life Support Instructor	n/a	01/1987	n/a	01/2001
Advanced Cardiac Life Support Affiliate	n/a	01/1987	n/a	01/1998

License to Practice

<u>Description/Agency</u>	<u>Status</u>	<u>Date Acquired</u>	<u>Number</u>	<u>Expiration</u>
State of Texas Medical License - Texas Medical Board	Certified	02/2015	P8943	02/2023
State of North Carolina Medical License - North Carolina Medical Board	Certified	05/1998	9800625	05/2022

Honors & Awards

Sample Interviews

1. <https://www.texmed.org/UTRGVdream/>
2. <https://www.utrgv.edu/en-us/about-utrgv/news/press-releases/2017/september-7-utrgv-school-of-medicine-mobile-clinic-is-in-houston-providing-medical-aid-to-hurricane-victims/index.htm>
3. <https://www.senatoreddielucio.com/commentary-the-virtues-of-our-valleys-new-utrgv-medical-school/>
4. <https://issuu.com/utrgv/docs/valor-issue-1>

2020 UTRGV Knapp Family Medicine Core Faculty of the year 2020 Given by the residents

First Place UTRGV Family Medicine Research Symposium 2020 Co-presenter: Quality Improvement project in practice management

First Place Neurosciences Research 2018: Inaugural University of Texas Rio Grande Valley Annual Research Symposium-presenter on treating Triply diagnosed adolescents, ages 12-18 years old. Co-presenter

UTRGV Awards for Faculty Excellence 2017: Recognized by the University for receiving more than 1 million dollars in grant funding.

Gold Foundation Humanism in Medicine 2004: I received the Gold Foundation Humanism in Medicine nominee to the American Association of Medical Colleges, given by the students of Florida State University College of Medicine in recognition for positive mentoring skills, involvement in community service, compassion, and sensitivity, collaboration with students and patients, and modeling ethics of the profession.

Kemp Award for Best Manuscript Published in American Family Physician: Award for the best manuscript of the year. This competitive award was given for the two-part manuscript "Evaluation of Pediatric Foot Problems," First Author.

Meritorious Service Award: The Meritorious Service Medal is a military award presented to members of the United States Armed Forces who distinguished themselves by outstanding meritorious achievement or service to the United States. Usually, the acts or services rendered must be comparable to that required for the Legion of Merit but in a duty of lesser, though considerable, responsibility.

Armed Services Medal: The Armed Forces Service Medal (AFSM) is a military award of the United States military. The medal is a theater service award presented to those service members who engage in "significant activity" for which no other campaign or service medal is authorized.

Joint Service Commendation Medal: This decoration, established by the Department of Defense on 25 June 1963, is awarded by the Office of the Secretary of Defense, the Joint Chiefs of Staff, and other Department of Defense agencies or joint activities reporting through the Joint Chiefs of Staff.

Recipient of the Order of the USUHS Brigade: Awarded for a specific contribution to the University School of Medicine above and beyond the call of duty.

Air Force Commendation Medal: The Commendation Medal is a mid-level United States military decoration presented for sustained acts of heroism or meritorious service. For valorous actions in direct contact with an enemy, but of a lesser degree than required for the award of the Bronze Star Medal.

Professional Development

Clinical

02/2020

Certified in Fibroscan Elastography

12/2013-present	Inpatient and outpatient clinical medicine. Active inpatient care in the hospital, clinic, and on a mobile medical unit.
09/1/2016- 11/10/2016	Pan American Health Organization mGap instructor training for primary care integration of mental health. This model was developed globally to address issues of mental health disparities.
01/10/2015 - 01/13/2015	Screening, Brief Intervention, and Referral to Treatment Training, SBIRT training for the diagnosis and treatment of alcohol, substance, and tobacco abuse.
06/26/2011 - 12/22/2013	Clinical Care, Inpatient with ICU, and Outpatient Care with on-call responsibilities at Cape Fear Valley Health Systems. Two half-day clinics and weekend/weekday call coverage of the inpatient team. We managed a busy inpatient team with 12-20 patients (2- 3 ICU patients) Volunteer care at the CARE indigent care clinic. Officer Training Comprehensive Medical Review Officer Training Program. Training for MRO
01/06/1990 - 07/06/1990	Combat Casualty Care Course, A field exercise on combat casualty care.
01/06/1989 - 06/01/2000	Advanced Cardiac Life Support (ACLS) Instructor Director, Advanced Cardiac Life Support (ACLS) Instructor Director, Affiliate Faculty.
10/1989- 11/1989	Advanced Training in Chemical and Nuclear Warfare- IBM Center MN
08/1987- 10/1987	Advanced Course in Allergy Medicine-to serve as PACAF Allergist
02/06/1987 - 01/06/1998	Advanced Trauma Life Support (ATLS) instructor. I taught three times a year at the San Antonio Military laboratory.

Research

01/02/2014 - 06/05/2014	Clinical Safety and Effectiveness Course , The Clinical Safety and Effectiveness course is a UT System-wide course that concentrates on Quality Improvement and Patient Safety.
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03/01/2011 -
03/02/2011

Medical Education Research Certificate, The Medical Education Research Certificate (MERC) program offered through the AAMC is intended to provide the necessary knowledge to understand the purposes and processes of medical education research, become education research literature, and be active collaborators in medical education research.

Teaching

06/01/1993 -
06/01/1994

University of North Carolina Faculty Development Fellowship, The UNC Faculty Development Fellowship, is an intensive experience including six weeks in residence in Chapel Hill, NC spread over the year. It is designed for early-career faculty members within the first 3-5 years of the faculty role for leadership training.

Other Teaching

Thesis Committee

- **Master's Committee** Daphne Zuniga. Immune dysregulation mechanisms caused by bacterial lipopolysaccharides in HIV-1 exposed primary gingival keratinocytes 2021-2022
- **Dissertation Committee** Adrian Sandoval PharmD Outcomes Comparison of Pharmacotherapy Curriculum on the American Board of Family Medicine in-training Scores of US-based Physician Residents Doctoral Program in Education Texas A&M University at Kingsville, Kingsville Tx 78363 2021-2022
- **Doctors Nurse Practitioner** Linda Nelson NP- Hearing loss in Mexican American Children. Phoenix University, Doctor Nurse Practice 2019-2020

Group Instruction

- Musculoskeletal Anatomy/MS-2 days of anatomy lab precepting and lectures. Average student satisfaction was 4.6/5
- Developed the COVID-19 curriculum for Knapp FMR and shared it with the department. This curriculum augments clinical learning while residents are on self-quarantine. The

curriculum utilizes You-Tube Videos and other asynchronous learning methods to meet ACGME learning requirements using alternate technology and resources.

- I delivered weekly didactics to the Residents on musculoskeletal medicine, behavioral medicine, psychopharmacology, professionalism, and research.
- Mentored a junior faculty member (Dr. Hector Munoz) as he redesigned the didactics curriculum based on in-training exam results and learner needs.
- Served as faculty for the National Family Medicine Review Course: Osler Family Medicine Board Review Course, delivering 12 lectures per session (two sessions per year).
- Designed a one-day board review course for PGY3 Residents
- Designed and implemented a critical decision-making simulation and matrix to evaluate residents progress and progression to the following Post Graduate Year. This provides objective evidence for ACGME requirements and advancement
- MEDI 9310-03: Clinical Pharmacology in Family Medicine Newly Developed Elective for MS3s and MS4s Course Director Adrian Sandoval, PharmD instructor:
- Sub-Internship in Psychiatry Newly developed course for MS4s Course Director: Francisco Fernandez, M.D. Instructor:

Didactics Series

01/2014-present

Key Teaching Assignments- Courses taught at UTRGV School of Medicine, UTRGV PA School, College of Education and P-16 Integration, Didactics in three FMR programs, Invited lecturer at U.T. South-Western, UTHSCSA, and multiple community venues.

06/2011 - 12/2013

Duke Southern Regional AHEC

Key Teaching Assignments-Courses taught in SRAHEC COURSE SERIES: Intro to Cardiology, Intro to Pulmonary medicine, Intro to Professionalism/Ethics, Intro to Behavioral medicine Sports Medicine Month Lecture Series Practice Medicine Lecture Series Professionalism and Ethics Lecture Series Behavioral Medicine Lecture Series.

01/1994 – 01/1996

Didactics Series

USAF Malcolm Grow FMR: Key Teaching Assignments-Courses taught FMR COURSE SERIES: Intro to Cardiology, Intro to Pulmonary medicine, Intro to Professionalism/Ethics, Intro to Behavioral medicine Sports Medicine Month Lecture Series Practice Medicine Lecture Series Professionalism and Ethics Lecture Series Behavioral Medicine Lecture Series. Asynchronous learning resources are posted weekly.

01/1994 – 01/1996

Combat Casualty Care Center

Uniformed Services University of the Health Sciences

The Combat Casualty Care Center is a research center for deployment medicine. I was associated with the Department of Military and Emergency Medicine. I deployed to Bosnia to research and implement telemedicine for the theater. In addition, in theater, we instructed health care providers utilizing animal labs and tele-technology to manage operational medicine use of telemedicine.

Projects

Curriculum Development

04/2022- present	Mind Center-Neurosciences Curriculum Designed and wrote a curriculum to develop a Neurosciences curriculum for Family Medicine, Internal Medicine, and Psychiatry residents to address the intersection of chronic illnesses and neurosciences. This curriculum serves as a white paper to develop a Mind Clinic that will be developed over the year that addresses clinical, research, and financial sustainability. The curriculum will provide an educational scaffolding to develop UT Health Primary Care Provider services that increase access for high-risk patients with chronic illnesses, serve as a referral source for clinical studies, and a follow-up clinic for patients that are in clinical studies.
06/2015-2017	Student Continuity of Practice Experience (SCOPE) Located in Colonias, un-incorporated communities in South Texas. Students focus on social determinants of health, care of the underserved, working with the community, and developing a sustainable model of care. Students learn about the population, community needs assessment, social support networks, job and working conditions, education/literacy, healthy child development, food deserts. The clerkship is longitudinal (one year) through the MS3 year. It includes the school of medicine, college of education, college of health affairs, the college of business, the college of engineering, school of nursing, and college of humanities.
06/2016-2017	Clerkship and Longitudinal Integrated Curriculum. The curriculum for MS3/MS4 incorporates longitudinal experiences that foster continuity of care and learning, allowing observation of illness and health over a period. The curriculum focuses on meeting the USMLE, NBME, and the SOM requirements based on competencies (IOM, ACGME, and EPAs) with individual student-focused education.
01/2011-01/2011	A Team–Building Model for Team-Based Care. The curriculum was designed to teach team-based care to a family medicine residency and family medicine clinic. The curriculum included small group sessions, focus groups, and a simulation of team-based care.

06/2009-05/2009 The Bridge to Clinical Medicine Major: Post Bac Program, The Bridge to Clinical Medicine major of the Master of Science in Biomedical Sciences, better known as the Bridge Program, is designed to expand the pool of successful medical school applicants from **underrepresented minorities from** rural and inner-city communities.

Departmental Projects

05/2016-2018 ***Indicators of success for Interprofessional Care and Education in a University-based clinic*** Adrian Sandoval, Pharm.D., BCPS, BCACP, Valerie Terry, Ph.D., Eron Manusov, M.D., John Lowdermilk, Ph.D., Eunice Lerma, Ph.D., Arden Dingle, M.D., Francisco Fernandez, MD. Responsibilities: Co-Investigator

05/2014-2016 **Integration, the Community, and Medical Education**, The purposes of this project are to leverage community resources in the Rio Grande Valley for the care of the under-served. An inter-professional approach to planning, implementation and evaluation is used with a logic model to develop a sustainable system that maximizes resources to provide care to an at-risk population that suffers from health care disparities.

Instructor

01/1996-03/1997 **Combat Casualty Research Center**, A research center for deployment medicine. Deployed to Bosnia to research and implement telemedicine for the theater. Assisted with the development of the curriculum, research, and deployment.

Research Grant

1/2018-Present **Rio Grande Valley Family Study**: Co-Investigator on the study of **genetics, genomics**, and heart disease/diabetes/lipidemias in the Mexican American Population in the RGV. We include social determinants of health, Adverse childhood Experiences, Depression, Anxiety, acculturation, and sleep. **Co-investigator**

12/2017-present **Integrated Care Collaborative Unit 4**. Based on an integrated model of care, we continued our collaboration with the College of Education P-16, the Department of Social Work, and the McAllen ISD to offer services in the school and the home. Our goal is to improve access to treatment for Mexican American adolescents with psychiatric illness, promote inclusion of child and adolescent psychiatry within the scope of the practice of primary care, and promote the rational utilization of scarce specialty resources for the most complex and high-risk adolescents with appetitive drive disorders Methodist Health Ministries Principal Investigator **\$730,000**,

12/2016-2017 **Integrated Care Collaborative Unit 3**. Based on an inter-professional model of care, we have extended our collaboration with the College of Education P-16, the Department of Social Work, and the McAllen ISD to

12/2015-2016	<p>offer services in the school and the home. Using working shops in Self-esteem, Self-efficacy, and Resilience, Special Education, School Psychology, we are a Team Collaborative that integrates our services into the community for workforce development, community capacity building, and addressing identified needs for school and home intervention. Our goal is to improve access to treatment for Mexican American adolescents with psychiatric illness, promote inclusion of child and adolescent psychiatry within the scope of the practice of primary care, and promote the rational utilization of scarce specialty resources for the most complex and high-risk adolescents with appetitive drive disorders \$730,000, Methodist Health Ministries Principal Investigator.</p>
	<p>Integrated Care Collaborative Unit 2. Based on an inter-professional model of care, UTRGV's South Texas Inter-professional Team Collaborative for Health (STITCH) and the Hidalgo County Health Department will work together, combining the use of the Screening Brief Intervention Treatment (SBIRT) with a Telehealth clinical behavioral and addictions consultation service. Our goal is to improve access to treatment for Mexican American adolescents with psychiatric illness, promote inclusion of child and adolescent psychiatry within the scope of the practice of primary care and promote the rational utilization of scarce specialty resources for the most complex and high-risk adolescents with appetitive drive disorders \$1,0700.00, Methodist Health Ministries Principal Investigator.</p>
4/2015-present	<p>Primary Care Behavioral Health Implementation. Si Texas, Healthy Innovation for South Texas A Social Innovations Fund Program. Methodist Health Ministries. Co-investigator on a grant to provide a model for best practices, increase access to care, and by implementing an integrated behavioral health model, prepare young physicians to think about tomorrow's health care as an integrated, inter-professional endeavor.</p>
11/2014-11/2015	<p>Integrated Care Collaborative Unit, based on an inter-professional model of care, UTRGV's South Texas Inter-professional Team Collaborative for Health (STITCH), and the Hidalgo County Health Department will work together combining the use of the Screening Brief Intervention Treatment (SBIRT) with a Telehealth clinical behavioral and addictions consultation service. Our goal is to improve access to treatment for Mexican American adolescents with psychiatric illness, promote the inclusion of child and adolescent psychiatry within the scope of primary care practice, and promote the rational utilization of scarce specialty resources for the most complex and high-risk adolescents with appetitive drive disorders—\$ 500,000 per year, Methodist Health Ministries Co-investigator.</p>

06/2014-2018

Valley Interprofessional Development and Services (VIDAS), A collaborative model of community healthcare and education incorporating the role of the "promotoras" (community health worker). This program promotes the enhancement of wellbeing in the "colonias" through improved healthcare access and education. Our program will utilize both telehealth and team-based care at two "colonias" in different stages of development. The total requested amount of the grant through **UnitedHealth Foundation Principal Investigator \$3,287,607.00 over three years.**

Publications

Book Chapter

Sandoval A, George D, Gonzales J, Escobedo M, Sandoval A, **Manusov E**. Integrated Care Curriculum: An Educational Journey of Disease State Management, ACCP Ambulatory Care Survival Guide, 4th Edition

Manusov EG. Evaluation and Diagnosis of Low Back Pain, In Manusov EG. Primary Care Clinic Office Practice. ISBN: 978-1-4557-4936-2: Copyright © 2012 Elsevier Inc.; 2012.

Manusov EG. Hand and Wrist Injuries In Birrer RB, Griesemer BA, Canaletto MB. Pediatric Sports Medicine for Primary Care. JB Lippincott Co; 2002. p. 367 - 384.

Book/Monograph

Manusov EG. Surgical Treatment of Low Back Pain Primary Care Clinic Office Practice. ISBN: 978-1-4557-4936-2: Copyright © 2012 Elsevier Inc.; 2012.

Manusov EG. Evaluation and Diagnosis of Low Back Pain Primary Care Clinic Office Practice. ISBN: 978-1-4557-4936-2: Copyright © 2012 Elsevier Inc.; 2012.

Quintero S, **Manusov EG**. Disability Evaluation and Low Back Pain Primary Care Clinic Office Practice. ISBN: 978-1-4557-4936-2: Copyright © 2012 Elsevier Inc.;

Editorial

Manusov EG. Low back pain diagnosis and treatment. Preface. Prim Care Office Practice 2012 Sep;39 (3):0-0.

Publications

***Manusov Eron G.**, Diego Vincent P. Sheikh, K Laston, Sandra, Williams-Blangero Sarah John, Blangero John, Non-Alcoholic Fatty Liver Disease and Depression: Evidence for Genotype x Environment Interaction in Mexican Americans *Frontiers in Psychiatry Behavioral and Psychiatric Genetics*-**Pending submission**

Manusov EG, Campuzano AM, Ahmed O, Macias S, Gomez de Ziegler C, Munoz Monaco G. Case Report: Neurologic Presentation of West Nile Virus: Difficult Diagnosis. *Front Public Health*. 2021 Dec 10;9:628799. doi: 10.3389/fpubh.2021.628799. PMID: 34956995; PMCID: PMC8702647.

***Manusov, EG**, Gomez De Ziegler, C, Diego, VP, Munoz-Monoco, G, Williams-Blangero, S. Frailty Index in the Colonias. *Front.Med*. 2021 doi: 10.3389/fmed.2021.650259

***Manusov Eron G.**, Diego Vincent P., Smith Jacob, Garza Jesús R., Lowdermilk John, Blangero John, Williams-Blangero Sarah, Fernandez Francisco. UniMóvil: A Mobile Health Clinic Providing Primary Care to the Colonias of the Rio Grande Valley, South Texas *Frontiers in Public Health*; Volume 72019
URL=<https://www.frontiersin.org/article/10.3389/fpubh.2019.00215>
<https://www.frontiersin.org/articles/10.3389/fpubh.2019.00215/full>

*Terry, V, Sandoval, A, Garza, J, Lapka, S, Lowdermilk, E, Lerma, E, Dingle, A, **Manusov, E**. What drives members of an interprofessional care team: A sense of self. *Journal Of Interprofessional Education and Practice*. Accepted. <https://doi.org/10.1016/j.xjep.2018.08.009>

* Engagement and Co-production: Building an Inter-professional Integrated Medical Education and Clinical Practice. *Int J Integr Care* 2016; Annual Conf Suppl; Volume 15, 27 May 2017
URN:NBN:NL: UI:10-1-116952

* **Manusov EG**, Ronnau JP, Vela L, Aguilera L, Galke CL. Engagement and Co-production: Building an Inter-professional Integrated Medical Education and Clinical Practice. *Int J Integr Care* 2015; Annual Conf Suppl; Volume 15, 27 May 2015
URN:NBN:NL: UI:10-1-116952

***Manusov, EG**; Galke, CL; Ronnau, JP; Sandoval, A; Nelson L. "Interprofessional Care in a University School of Medicine: How did we do that?" *International Journal of Integrated Care* 15.8 (2015). Retrieved from: <http://www.ijic.org/index.php/ijic/article/view/URN:NBN:NL:UI:10-1-117363>

***Manusov EG.**, Ronnau J, Vela L., Aguilera L., Galke CL. Engagement and Co-production: Building an Inter-professional Integrated Medical Education and Clinical Practice. *Int J Integr Care* 2015; Annual Conf Suppl; URN:NBN:NL: UI:10-1-116952 Finalist in the best presentation

*Garland, E. L., **Manusov, E. G.**, Froeliger, B., Kelly, A., Williams, J. M., & Howard, M. O. (2014). Mindfulness-oriented recovery enhancement for chronic pain and prescription opioid misuse: Results from an early-stage randomized controlled trial. *Journal of Consulting and Clinical Psychology*, 82(3), 448.

*Aydin N, **Manusov E**: Materialism, Hedonism, Spirituality, and Subjective Well-Being. An Empirical Study of Resale-I Nur Readers. *Al Sejarah*, 19(2) pp 251-284

***Manusov EG**, Marlowe DP, Teasley DJ. Learning to walk before we run: what can medical education learn from the human body about integrated care. *Int J Integr Care* 2013 Apr;13:018-018.

***Manusov EG**; Salzberg LD. Management Options for Patients with Chronic Back Pain Without an Etiology Health Services Insights 2013;6:1-6.

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*Thomas B, **Manusov EG**, Wang A, Livingston H. Contributors of black men's success in admission to and graduation from medical school. Acad Med 2011 Jul;86(7):892-900.

***Manusov EG**, Livingston H, Stine C, Van Durme D. Toward a common framework for rural background. Fam Med 2010 Nov;42(10):732-735.

***Manusov EG**, Lillegard WA, Raspa RF, Epperly TD. Evaluation of pediatric foot problems: Part II. The hindfoot and the ankle. Am Fam Physician 1996 Sep;54(3):1012-1026.

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***Manusov EG**, Lillegard WA, Raspa RF, Epperly TD. Evaluation of pediatric foot problems: Part I. The forefoot and the midfoot. Am Fam Physician 1996 Aug;54(2):592-606.

***Manusov EG**, Carr RJ, Nadeau M, Rowan M, Beatty L. Happiness in Residency: Journal of the American Board Family Practice 1995 Sep;8(5):367-375.

***Manusov EG**, Martucci E. The Marfan syndrome. An underdiagnosed killer. Arch Fam Med 1994 Sep;3(9):822-826.

***Manusov EG**. Happiness in Residency Pilot Study Archives of Family Medicine 1994 Jan;3:61-67.

***Manusov EG**. Osteopetrosis ('marble bone disease"). Am Fam Physician 1993 Jan;47(1):175-180.

***Manusov EG**, Murray G. Acute trauma and hypnosis. Mil Med 1992 Sep;157(9):504-505.

***Manusov EG**, Johnson R. Orofacial pain: diagnosis and treatment. Am Fam Physician 1992 Feb;45(2):773-782.

***Manusov EG**, Murray G: Hypnosis in Trauma Military Medicine 1991;157:504

***Manusov EG**. Clinical applications of hypnotherapy. J Fam Pract 1990 Aug;31(2):180-184.

***Manusov EG**, Pearman D, Ross S, Beadling CW, Goff TH. Orthopedic trauma: a family practice perspective. Mil Med 1990 Jul;155(7):314-316.

***Manusov EG**. Migraines in the Geriatric Population Geriatrics today 1988 Jul;7(7):42-48.

***Manusov EG**. Late-life migraine accompaniments: a case presentation and literature review. J Fam Pract 1987 Jun;24(6):591-594.

Presentations (select):

Presentations

- 2022 Immune dysregulation mechanisms caused by bacterial lipopolysaccharides in HIV-1 exposed primary gingival keratinocytes. Daphne Alcala-Zuniga^{1,4}, Josue Perez-Santiago^{2,3}, **Eron Manusov**⁴, Chun Xu^{1,4}, Deepa Roy^{1,4}, Upal Roy^{1,4}
Department of Biomedical Science¹, University of Puerto Rico Comprehensive Cancer Center, Division of Cancer Biology², University of Puerto Rico Medical Sciences Campus, Department of Dental Medicine³, Department of Human Genetics, University of Texas Rio Grande Valley⁴ Advancing Chicanos/Hispanics and Native Americans in Science 2022 submitted
- 2021 Gene by Environment Interaction of the Frailty Index. Oral Presentation. UTRGV Research Symposium. Harlingen, Texas 2021 **E Manusov** [SOM Research Symposium | UTRGV](#)
- Relationships between recommendation to vaccinate and knowledge, personal attitudes, beliefs, perceptions, and identifiable characteristics of influenza vaccine, among Rio Grande Valley Family Medicine residents and faculty.
Miguel Alvarez Silva, MD; Aleksandr Chernyy, MD; Vincent Diego, PhD, Gerardo Munoz-Monaco, MD, **Eron G Manusov, MD** First Place UTRGV Department of Family Medicine Annual Research *UTRGV KNAPP Family Medicine Residency Program May 2021*
- Increase Rate of Vaccination of Human Papillomavirus Vaccines at UTRGV Knapp Family Medicine Residency Clinic: A Quality Improvement Project.* Yone Scaramelli, Andrea Ramirez, Carolina Gomez, Gerardo Munoz, **Eron Manusov.** 3rd Place UTRGV Department of Family Medicine Annual Research *UTRGV KNAPP Family Medicine Residency Program May 2021*
- Procedures in Academic Family Medicine.* Parisi MD, Igwe, MD, Diego PhD, **Manusov MD.** UTRGV Department of Family Medicine Annual Research *UTRGV KNAPP Family Medicine Residency Program May 2021*
- Mapping a Highly Vulnerable Population: Step One the Demographical Analysis. Saul Maravilla, Noe Garza, Gladys Maestre, **Eron Manusov.** Poster presentation Alzheimer's Association: Addressing Health Disparities June 14-16 2021
- 2020 Relationships between recommendation to vaccinate and knowledge, personal attitudes, beliefs, perceptions, and identifiable characteristics of influenza vaccine, among Rio Grande Valley Family Medicine residents and faculty.
Miguel Alvarez Silva, MD; Aleksandr Chernyy, MD; Vincent Diego, PhD, Gerardo Munoz-Monaco, MD, **Eron G Manusov, MD** First Place UTRGV Department of Family Medicine Annual Research *UTRGV KNAPP Family Medicine Residency Program*

- 2019 An Interprofessional Team Collaborative Care Program for Triply Diagnosed Adolescents: A Report Using the Consolidated Framework for Implementation Research. Poster Presentation. UTRGV Research Symposium – Edinburg, Texas 2019. **E Manusov.** 2019

Sex and Migrant Status Disparities in the Frailty Index in Colonias of the Rio Grande Valley. Presentation. UTRGV Department of Family Medicine Annual Research Symposium. C Gomez de Zeigler, **E Manusov**, V Diego. Edinburg Tx (Best Presentation Award) 2019

South Texas Interprofessional Outreach Program Collaborations. American Dental Education Association Conference. San Francisco, California. J Pineda, **E Manusov**
- 2018 Integrating Care Model. UTRGV Annual Rehabilitation Conference. Invited Speaker Presentation to the UTRGV Annual Rehabilitation Conference on the improvement of care with integrated medicine for the care of Triply Diagnosed Adolescents.
- 2017 Integrated Collaborative Care Unit: Caring for adolescents triply diagnosed with a mental health illness, medical illness, and appetitive drive disorder (substance abuse). Methodist Health Ministries Safety Net Summit 2017. Invited Speaker presentation on a SWOT analysis of the development of an integrated collaborative care unit for the care of triply diagnosed adolescents. Co-presented with the College of Education, Department of Social Work, and School of Medicine
- 2017 Integrating Primary Care and Behavioral Healthcare through the Lens of Prevention. Fernandez, Francisco, **Manusov, Eron.** Fort Worth Texas 27 June 2017
 Details: HRSA Conference Mission: As national leaders in the prevention field, we are committed to improving behavioral and primary health outcomes by integrating these with the science and practice of prevention across public, private, and community sectors
- 2017 Texas Behavioral Health Institute, Transforming Texas: Connecting the Dots National Association of Hispanic and Latino Studies UTRGV: Success Taking HEART (Health Education and Resilience Training) UTRGV Edinburg Tx **E Manusov MD**
- 2017 Partnering with CHWs to lead oral health outreach in rural South Texas. Maracena MPH, Katharine Nimmons, MSc, MPH, **Eron Manusov, MD**, Francisco Fernandez, M.D., Amy Elizondo, MPH, Gabriela Boscan, MPH, Lorena Trevino, Juan Carlos Aguirre, Paula Saldana, and Dinorah Martinez, B.M. American Public Health Association Annual Meeting and Expo. Nov 4-9 2017

SPICE: Substance Abuse and Integrated Care. Annual Bi-National Conference, **Manusov EG**, Sandoval A. Laredo Texas

2016

Implementing a Community Health Worker/Promotor(a) Certification Curriculum with Evidence-Based, Community-Driven Mental/Behavioral Health Content - Texas A&M University Health Science Center Interprofessional Education & Research Symposium College Station, TX 20 April 2016

Interprofessional Communication and "New" Models of Collaboration. Herrera Erdem, School of Nursing, **Eron Manusov**, School of Medicine, Patricia McHatton, College of Education and P-16 Initiatives, Eddie Olivarez, Hidalgo County Dept. of Health and Human Services, UTRGV-7th Annual PACE Bioethics Conference

Futuro McAllen: Crisis for our County kids. Spice/K-2 = a fast trip to the E.R.
Expert Panel: Adrian Sandoval, Pharm.D., **Eron Manusov**, M.D., Ricardo Irizarry, M.D., Mariano Resendez, Adrian Garza, M.Ed., Chief Victor Rodriguez, Director Eddie Olivarez, Sheriff Edie Guerra, Rep. Sergio Muñoz McAllen, TX 2016

"Integration of Mental Health, Substance Abuse, and Medical Care for Adolescents and Young Adults" **Eron Manusov, M.D.**, Linda Nelson, RN, FNP.
HEALTHY COMMUNITIES: **Mental Health, Substance Abuse & HIV Prevention 13-15 May 2016**

2015

Interprofessional Treatment of Synthetic Cannabinoid Withdrawals" – A Case Report Stephanie Garza, Pharm.D. Candidate, Vicente Aparicio, Pharm.D. Candidate, Adrian Sandoval, Pharm.D., BCPS, BCACP, **Eron Manusov, M.D.**
Presented at STITCH Research Symposium, UTRGV School of Medicine, Edinburg, TX Presented at 2015 ASHP

CHW growth and development: A model for a CHW career pathway 2015 CHW Unity Conference Memphis, TN July 12-15, 2015 Maracena MPH, Katharine Nimmons, MSc, MPH, **Eron Manusov, MD**, Francisco Fernandez, M.D., Amy Elizondo, MPH, Gabriela Boscan, MPH, Lorena Trevino, Juan Carlos Aguirre, Paula Saldana, and Dinorah Martinez, B.M

Developing a stackable CHW certification curriculum with an emphasis on mental health as part of an integrated care model 2015 American Public Health Association Annual Meeting Chicago, IL November 1-4, 2015 Katharine Nimmons, MSc, MPH, **Eron Manusov, MD**, Francisco Fernandez, M.D., Amy Elizondo, MPH, Gabriela Boscan, MPH, Lorena Trevino, Juan Carlos Aguirre, Paula Saldana, and Dinorah Martinez, B.M.

Interprofessional Care in a University School of Medicine: How did we do that?"**Eron Manusov, M.D.**, Curt Galke, D.O., Adrian Sandoval, Pharm.D., BCPS, BCACP, John Ronnau, Ph.D. Platform presentation at the 3rd World Congress on Integrated Care, Mexico City, Mexico, 19-21 November 2015

Engagement and Co-production: Building an Inter-professional integrated medical education and clinical practice, Lead Co-presenter. **E Manusov**, L Aguilera The

International Foundation for Integrated Care (IFIC), The International Foundation for Integrated Care (IFIC), Edinburgh, United Kingdom (Co-Presenter)

- 02/2015 Wilderness Medicine, 1st Annual Brush Country Symposium, Local, DHR, Edinburg (Sole Presenter)
Details: *First Annual Brush Country Symposium offered to 300 local learners. Reviewed and discussed wilderness medicine heat injuries and rashes*
- 02/2015 UTSW Global Health Conference, UTSW Global Health Conference, Global Health Interest Group, UTSW, Dallas, TX (Sole Presenter)
- 02/2015 UTHSCSA Frontera de Salud, UTHSCSA Frontera de Salud, Frontera de Salud, San Antonio, TX (Invited Speaker)
Details: *Invited speaker to discuss medical care on the border, Frontera de Salud, and Health disparities*
- 11/2014 Running shoes and Feet Pain, UTHSCSA Grand Rounds, UTHSCSA Department of Family Medicine, San Antonio, TX (Invited Speaker)
- 09/2014 PCMH What Does it really mean? McAllen Medical Center Family Medicine Residency, Department of Family Medicine, McAllen, TX (Sole Presenter)
- 08/2014 Border Medicine UT Southwestern Family Medicine Interest Group, FMIG, Department of Family Medicine, Dallas, TX (Invited Speaker)
- 05/2014 Integrated Care, Physicians, Mental Health and Attorneys: Multi-disciplinary Care in a Legal World, International 14th Annual Foundation on Integrated Care International Conference, International Foundation on Integrated Care, Brussels, Belgium (Co-Presenter)
Details: *The presentation was given with two attorneys to present legal literacy and how attorneys can be integrated into patient management and resident education.*
- Shamans: Leveraging Traditional Healers, National Rural Health Association Annual Conference, National Rural Health Association, Las Vegas, NV
- 05/2014 **Details:** *Representing the Multiracial and Multicultural track, this presentation was directed at leveraging cultural healers in rural populations to improve care and reduce health care disparities.*
- 03/2013 A Family/Systems Approach to Family Medicine: An Introduction to Integrated Care, NC Marriage and Family Therapy Association, NC Marriage and Family Therapy Association, Greensboro, NC (Invited Speaker)
Details: *Invited to speak at the N.C. Marriage and Family Therapy Association on the advancement of integration (inter-professional) collaboration in Family Medicine Clinics.*
- 06/2012

Interprofessional Medical Education and Simulation, Seventh International Conference on Interdisciplinary Social Sciences, Interdisciplinary Social Sciences, Barcelona, Spain (Sole Presenter)

04/2012 The Integrated Care Curriculum: Home is Where the Team Is, Annual Spring Conference of the Society of Teachers of Family Medicine, Society of Teachers of Family Medicine, Seattle, WA (Co-Presenter)

Details: 2012 Marlowe, D.P., Manusov, E.G. *The Integrated Care Curriculum: Home is Where the Team Is. The presentation described the PCMH and Integrated Care Curriculum we designed for the Family Medicine Residency and Family Medicine Clinic.*

04/2012 Home Is Where the Team Is: A Family Medicine Residency's Shift Towards PCMH

Proficiency, The Annual Spring Conference of the Society of Teachers of Family Medicine, Society of Teachers of Family Medicine, Seattle, WA (Co-Presenter)

Details: *The Presentation focused on Patient-Centered Medical Home in a Family Medicine Residency. The presentation was a breakout session at the annual STFM meeting.*

01/2012 Integrated Care Health Care Providers Health Care Executives, and Attorneys., Collaborative Family Health Association Annual Conference, Collaborative Family Health Association, Austin, TX (Co-Presenter)

Details. *The presentation was given at the annual conference and included attorneys, a behavioral scientist, an administrator, and a physician and was centered around how each profession is used to teach residents in family medicine.*

12/2011 Recruitment and retention of rural physicians, NRHA Annual Multiracial and Multicultural Meeting, National Rural Health Association, Daytona, FL (Sole Presenter)

Details: *A one-hour presentation on the recruitment and retention of rural physicians focused on underrepresented minorities.*

11/2011 Designing, Implementing and Evaluating a Case-based Inter-professional Educational Exercise to Enhance Preclinical Student Learning, The Generalists in Medical Education, The Generalists in Medical Education, Denver, CO (Sole Presenter)

Details: *A presentation on simulation to teach integrated (inter-professional) education to medical students. The project included medicine, nursing, social work, psychology, and education and was spread out over two weeks to include 120 students. This was the first integrated scenario that involved collaboration between four colleges in The FSU.*

11/2011 Integrating LGBT Health Topics into the UGME Curriculum, The Generalists in Medical Education, The Generalists in Medical Education, Seattle, WA (Co-Presenter)

Details: The presentation was co-facilitated to discuss how LGBT health topics were integrated into a semester course on Medicine and Behavior to 120 second-year medical students at The Florida State University College of Medicine. This was the first LGBT course added to a longitudinal Behavioral Sciences curriculum for The Florida State University.

- 05/2011 Using simulation to teach critical thinking., International Meeting on Simulation in Health Care, Society for Simulation in Health Care, New Orleans, LA (Co-Presenter)
Details: The Society for Simulation in HealthCare SSH facilitates excellence in (multi-specialty) healthcare education, practice, and research through simulation modalities. The presentation centered on using hybrid models of simulation to teach critical thinking to second-year medical students.
- 05/2011 It is a Matter of Integrity: Simulation and Professionalism, STFM Annual Meeting, Society for Teachers in Family Medicine, New Orleans, LA (Co-Presenter)
Details: The workshop focused on didactics, asynchronous learning, and simulation to teach professionalism to 120 medical students at The Florida State College of Medicine. The project was funded by an internal grant and used large groups, small groups, and the simulation lab to teach and evaluate professionalism to students. The simulation lab used multiple scenarios staged at various levels of professionalism.
- 12/2010 The Effect of Socio-Economic Status and Race on Patient-Physician Trust Levels in Neighboring Gadsden and Leon County, 16th Annual Rural Multiracial and Multicultural Health Conference, National Rural Health Association, Tucson, AR (Co-Author)
- 12/2010 Contributors to Success: Black males in Medicine, Annual Rural Multiracial and Multicultural Health Conference, National Rural Health Association, Tucson, AR (Co-Presenter)
- 10/2010 Materialism, Hedonism, Spirituality, and Subjective Wellbeing: An Empirical Study of Resale-I Nur Readers, 10th International Symposium on Resale-I Nur, The Istanbul Institute for Science and Culture, Istanbul, Turkey (Co-Presenter)
Details: The theme of the Tenth International Resale-i Nur
The meeting attracted over 500 attendants. The presentation was 45 minutes to over 500 attendees translated into five languages. We were interviewed on Turkish television and in newspapers.
<http://med.fsu.edu/emr/2010/october/Facultynews.htm>
- 05/2010 The Bridge to Success: The FSU COM Experience, Southern Group on Education Affairs, Southern Group on Education Affairs, Oklahoma City, OK (Co-Presenter)
- 04/2010 The Bridge to Success: The FSU COM Experience, Annual National Rural Health Association Annual Meeting, National Rural Health Association, Savannah, GA (Co-Presenter)

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- 04/2010 The Bridge to Success: The FSU COM Experience, NRHA Annual Meeting, National Rural Health Association Meeting, Savannah, GA (Co-Presenter)
 - 01/2010 Psychological and physical wellness as it pertains to physicians, Capital Medical Society Annual CME Conference, Capital Medical Society, Tallahassee, FL (Invited Speaker)
 - 03/2009 Recruitment and Retention of Rural Physicians, UNC-Chapel Hill Fellowship, UNC-Chapel Hill, Chapel Hill, NC (Invited Speaker)
 - 01/2009 Recruitment and Retention of Rural Physicians, R3 Annual Convention, R3, Charleston, SC (Invited Speaker)
 - 01/2007 Clinical Applications of Hypnosis, American Association of Integrative Medicine, American Association of Integrative Medicine, Kansas City, KS (Invited Speaker)
 - 01/2007 Clinical Applications of Hypnosis, Uniformed Services University of the Health Sciences, Uniformed Services University of the Health Sciences, MD (Invited Speaker)
 - 03/1997 Complementary and Alternative Medicine, Uniformed Services Academy of Family Practice Annual Meeting, Uniformed Services Academy of Family Practice (Invited Speaker)
 - 01/1997 Foot Biomechanics and Injury, Washington DC Academy of Family Practice, Washington DC Academy of Family Practice, Solomon Island, MD (Invited Speaker)
 - 01/1997 The Foot and Ankle Sports Medicine Workshop, Uniformed Services Academy of Family Practice Annual Meeting, Uniformed Services Academy of Family Practice, Norfolk, VA (Invited Speaker)
 - 01/1997 Hypnosis and Exercise Enhancement, Exercise Physiology USUHS, Uniformed Services University of the Health Sciences, Bethesda, MD (Invited Speaker)
 - 03/1995 Depression: Diagnosis and Treatment in the 1990s, Uniformed Services Academy of Family Practice Annual Meeting, Uniformed Services Academy of Family Practice, San Diego, CA (Sole Presenter)
 - 01/1995 Dimensions of Happiness: A Qualitative Study, Society of Teachers of Family Medicine, Society of Teachers of Family Medicine, New Orleans, LA (Sole Presenter)

Research Grants

Project #: RO1 w/Clinical Trial

Funding Agency: National Institutes of Health

Title: Flash Glucose Monitoring vs Standard of Care in Diabetes Management improving Clinical Trial Outcome Data Through Genetic Control

Status: Submitted,

Period: 04/01/2022-03/31/2026

Role: PI

Total Cost: 2,883,327

Grant Detail: Improving glucose control using CGM and improving trial outcome data through genetic control

Funding Agency: TARCC

Title: Alzheimer's Dementia Education Program for Mexican American Families

Status: Under review

Period 07/01/2022-06/30/2026

Role: PI

Total Costs: \$828,884.00

Grant Detail: Mixed Methods study to use an integrated/interprofessional team to education Mexican American Families with a member with Alzheimer's Disease

UTRGV Multidisciplinary Seed Grant

Funding Agency: UTRGV

Title: Are lifestyles, cultural values (familism), and APOE involved in cognitive impairment in the Latino population?

Status: Under review

Role: Co;PI

Total Costs: 10,000

Project #: P50 (RFA-MD21-007)

Funding Agency: NIH

Title: RGV Comprehensive Research Center for Chronic Liver Diseases (RGV-CRCCLD) - Community Engagement Core Lead

Status: Under Review

Period: 09/01/2021 - 08/31/2026

Role: Co-Investigator 20%

Total Cost: 2,959,654

Grant Detail: Development for a comprehensive research center for chronic liver disease in the Rio Grande Valley.

Grants Funded

Project #: P30 AG059305

Funding Agency: NIH

Title: Rio Grande Valley Alzheimer's Resource Center for Minority Aging Research Partnerships for Aging

Status: Year 3 13 % Community Core leader effort coverage

Period: 09/01/2018 - 06/30/2023

Role: Co-investigator

Total Cost: 3,276,391.00

Funding Agency: VBLF Neuroscience Research
Title: Valley Baptist Legacy Foundation Neuroscience Research
Status: Funded, 5% effort coverage
Period 09/01/2018 - 06/30/2023
Role: Co-Investigator
Total Costs: \$5,797.00
Grants Submitted and not funded

Project #: RO1 w Clinical Trial
Funding Agency: National Institute for Minority Health and Health Disparities
Title: Flash Glucose Monitoring vs Standard of Care in Diabetes Management improving Clinical Trial Outcome Data Through Genetic Control
Status: Unfunded
Period: 04/01/2022-03/31/2026
Role: PI
Total Cost: 2,888,441.00
Grant Detail: Improving glucose control using CGM and improving trial outcome data through genetic control

Funding Agency: Knapp Community Care Foundation
Title: Progress in Progreso: A Multipronged Approach to Improving the Metabolic Health of a Community
Status: Unfunded
Period 04/01/2022 - 03/31/2024
Role: Co-investigator 50%
Total Costs: \$3,000,000

Project #: U54 (RFA-MD-22-002)
Title: Center for Cellular Epidemiology of Hispanic Health
Funding Agency: NIH
Status: Unfunded
Period: 09/2022-08/2027
Role: Co-Investigator 20%
Total Cost: 21,199,970.00
Grant Detail: To Develop a comprehensive research/healthcare center for Hispanic care

Grants Funded and completed

Project #: 1R03DA032517-01
Funding Agency: NIDA
Title: Mindfulness-Oriented Recovery Enhancement for Chronic Pain Patients Receiving Opioids
Status: Complete
Period: 01/2011 - 01/2012
Role: Co-Investigator

Total Costs: \$123,500.00

Grant Detail: Mindfulness-Oriented Recovery Enhancement for Chronic Pain Patients Receiving Opioids. Designed as a multi-site clinical trial using mindfulness to reduce opioid medication use in patients with chronic pain.

Funding Agency: Methodist Healthcare Ministries

Title: Integrated Collaborative Care Unit 3

Status: Funded

Period: 12/2017-12/2018

Role: Principal Investigator

Total Costs: \$400,000

Grant Details: To continue and advance an integrated system of collaborative interprofessional care to address the challenges inherent in treating a vulnerable population of triply diagnosed adolescents. To advance access to treatment for adolescents with substance abuse/appetitive drive disorders, psychiatric illness, and health concerns, promote inclusion and integration of behavioral medicine to the scope of primary care, improve access to dental services, improve collaboration and integration of scarce specialty resources, and improve community outreach to build community capacity for complex and high risk triply diagnosed adolescents.

Funding Agency: Methodist Healthcare Ministries

Title: Integrated Collaborative Care Unit 2

Status: Funded

Period: 12/2016-12/2017

Role: Principal Investigator

Total Costs: \$1,700,000.00

Grant Details: To develop an integrated system of collaborative interprofessional care to address the challenges inherent in treating a vulnerable population of triply diagnosed adolescents. To advance access to treatment for adolescents with substance abuse/appetitive drive disorders, psychiatric illness, and health concerns, promote inclusion and integration of behavioral medicine to the scope of primary care, improve access to dental services, improve collaboration and integration of scarce specialty resources, and improve community outreach to build community capacity for complex and high risk triply diagnosed adolescents. To integrate at the community level with the Juvenile Justice Department, the County Commissioners Court, and the Independent School Districts.

Funding Agency: United Health Ministries and the Si Texas

Title: Integrated Collaborative Care Unit 1

Status: Funded

Period: 12/2015-12/2016

Role: Co-PI

Total Costs: \$700,000.00

Grant Details: To develop an integrated system of collaborative interprofessional care to address the challenges inherent in treating a vulnerable population of triply diagnosed adolescents. To advance access to treatment for adolescents with substance abuse/appetitive drive disorders, psychiatric illness, and health concerns, promote inclusion and integration of behavioral medicine to the scope of primary care, improve access to dental services, improve

collaboration and integration of scarce specialty resources, and improve community outreach to build community capacity for complex and high risk triply diagnosed adolescents.

Funding Agency: Methodist Ministries and the Si Texas

Title: Primary Care Behavior Health (PCBH) Implementation Integrated Care Program

Status: Funded

Period: 5/2015-5/2020

Role: Co-Investigator

Total Costs: \$423,265 per year

Grant Details: The purpose of this grant is three-fold: to provide a model for best practices, increase access to care, and by implementing an integrated behavioral health model, prepare young physicians to think about the health care of tomorrow as an integrated, inter-professional endeavor.

Funding Agency: United Foundation

Title: Valley Interprofessional Development And Services (VIDAS): Colonia Integrated Care Program

Status: Completed

Period: 10/2014 - 10/2017

Role: Co-Investigator/Principal Investigator

% Effort: 5.0

Total Costs: \$3,287,607.00

Grant Detail: This grant attempts to be responsive to the community's needs at various levels. Several colleges in the University and established systems in the region provide resources, learners, and expertise to implement care in underserved communities. These core programs each have the advantage of prior experience in providing the sophisticated support services and information management necessary to make a dynamic "system" for community-based care out of a geographically dispersed set of independent entities with diverse patient populations and treatment approaches. The strong "systems management" team ensures the integration of each program into the operations and the community, specifically, the Colonias.

Funding Agency: Association for Hospital Education

Title: AHME Collaborative for REMS Education Vigilance with Compassion or Chronic Pain, Opioid Use, and Physicians: How do we address the problem? 2013 (\$15,026)

Status: Funded

Period: 05/2013 - 05/2014

Role: Co-Investigator

Total Costs: \$15,026.00

Grant Detail: Collaborative for REMS Education Vigilance with Compassion or Chronic Pain, Opioid Use, and Physicians. This is a multi-site study for reduction and mitigation strategies for the use of opioids and chronic non-cancer pain.

Funding Agency: American Academy of Family Physicians

Title: AAFP Foundation- Principal Investigator, Success of Bridge Students: The Student's Perspective

Status: Complete

Period: 01/2009 - 01/2010

Role: Co-Investigator

Total Costs: \$12,990.00

Grant Detail: Post-baccalaureate or Bridge programs effectively increase the number of medical students from disadvantaged backgrounds that enter and graduate from medical school. There are specific components of the FSU College of Medicine Bridge program, student personality traits, and student characteristics that influence successful matriculation, completion, and graduation from the FSU College of Medicine. Rigorous qualitative methods can identify these characteristics. The results can then be used to strengthen the bridge program and design an instrument to identify better students that would benefit from the FSUCOM bridge program.

Patient Care

- 2019-present **UT-Health Multispecialty Clinic Harlingen and Laguna Vista Clinic.** Family Medicine and Sports Medicine. Averaging 4,100 RVU per year 20% MOA and generate \$792,320K. I precept Physician Assistant Students, Medical Students, Residents, two Nurse Practice, and one PA.
- 2020 **UTRGV COVID 19 Screening.** Averaged 100 patients per day of drive-through COVID 19 Screening. Developed Clinic Policies and Procedures for COVID 19 screening.
- 2017-2021 **UTRGV Knapp Family Medicine Residency Faculty.** Outpatient and inpatient care that involves student and resident teaching. My job includes weekly home visits for education and patient care, one week per month for inpatient care averaging 16-20 patients on the team.
- 2017 **Deployment to Houston with the UnitedHealth Foundation Unimovil** to serve the flood victims. It took a team of 6 to provide medical care to those worst hit by Hurricane Harvey.
- 2014-2020 **Principal Investigator and Director of the John Austin Pena Clinic.** This clinic cares for indigent, triply diagnosed adolescents. The site also serves as an education site for interprofessional learners from multiple colleges in the University. The learners from the School of Medicine and Residents from Family Medicine residencies spend time as part of their community, integrated care, and site for service to the community. The focus is to teach interprofessional, integrated care to at-risk communities and to enforce humanism in medicine.
- 2015-2016 **Care for the Immigrants crossing the border.** Set up a mobile station to care for up to 1000 patients per day crossing the border, processed by the border patrol, and sent to areas in the United States.
- 2015—2018 **Care for indigent patients at the Hope Clinic** located on the border RGV. Bi-monthly patient care to underserved patients. Inpatient and outpatient care at the Family Medicine Residency and the John Austin Pena Clinic for Triply Diagnosed Adolescents. 4 half days per week, Care in the Unimovil servicing 11 colonias.

01/2009-2011 **Special Olympics** Medical Director
Pre-participation physical exams: Special Olympics FSUCOM. Directed and participated in physical exams for athletes in the Special Olympics.

Service To The Profession

Editor

I am a peer editor for the Journal of Interprofessional Education and Practice, Journal Frontiers in Medicine, and Academic Medicine. I review 3-5 manuscripts a month.

<u>Dates</u>	<u>Type</u>	<u>Description</u>	<u>Role</u>
02/2009-2018	National	Peer Grant Reviewer	Committee Member
<i>Yearly grant reviewer for 2-3 grants submitted to the AAFP JGAP I review the grants, comment, and follow up with authors to review and advise on research.</i>			
08/2014-present	National	NRHA Border Health Initiative	Professional Committee
<i>Members include the NRHA's Border Health Executive Committee, the Federal Office of Rural Health Policy, State Offices of Border Health, State Offices of Minority Health, NRHA leadership, and State Rural Health Associations.</i>			
01/2015-02/2015	National	American Journal of Managed Care	Peer Grant Reviewer
<i>Peer reviewer for AJMC. Reviewed and commented on submitted articles for the Journal.</i>			
01/2012-12/2012	International	Annual Multiracial and Multicultural Health Conference Integrated Care Foundation	Chair
<i>The Annual Multiracial and Multicultural Health Conference (National Rural Health Association) was held in Daytona Beach in Dec 2011. The Chair was responsible for the organization and presentation of a conference for 100 attendees. Approximately 60 hours were required during the year. I also presented at the meeting and served as moderator.</i>			
01/2012-3/2016	National	National Rural Health Association Board of Directors	Board of Directors
<i>The Board of Directors meets monthly and at three annual conferences. Advises the CEO of the NRHA.</i>			
06/2009-2019	National	Service to the National Rural Health Association	Chair

Served on the NRHA Board of Trustees and the NRHA Congress as the Multiracial and Multicultural M&M Council representative. Served on the Conference committee for the annual meeting and as Chair of the conference committee for the M&M council. Represented the NRHA at the annual Health Policy Institute, visiting congress to state NRHA policies. Wrote and edited policy letters submitted to the NRHA Congress to be used by the NRHA lobby. Served on the Membership Committee.

01/2009-01/2013	National	Peer Reviewer, Society for Teachers of Family Medicine	Ad Hoc Reviewer
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Peer Reviewer, Society for Teachers of Family Medicine annual conference, Research submissions yearly for the annual conference. Review and rank 20-30 submissions for the annual conference.

01/2009-01/2011	State	Florida AHEC CME Committee	Chair
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Chair, Florida Area Health Education CME Committee

01/2009-2019	National	Multiracial and Multiracial Council	Chair
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Conference (National Rural Health Association) was held in Asheville, NC Dec 2011. The Chair was responsible for the organization and presentation of a conference for 100 attendees. Approximately 60 hours were required during the year.

01/1991-01/2008	Local	American Family Physician Journal	Ad Hoc Reviewer
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Peer Reviewer for the American Family Practice Journal

01/1991-01/1996	National	USAFP Scientific Assembly Judge	Professional Committee
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Uniformed Services Academy of Family Physician Scientific Assembly Judge. Participated in education, training, and evaluation of yearly presentations for the USAF annual scientific assembly.

01/1985-01/1986	National	USAF Resident Representative	Board of Directors
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USAF Resident Representative, Board of Directors, USAFP

Service To The Public

<u>Dates</u>	<u>Type</u>	<u>Description</u>	<u>Role</u>
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02/2016-present	Student-Run Clinic	Volunteer	Physician
02/2014-2019	Patient Care Community	Volunteer	Physician
<i>Volunteer physician to work in an indigent care clinic at Hope Clinic, Mc Allen Texas</i>			
05/2014-present	Patient Care Community	Volunteer	Physician
<i>Volunteer physician yearly for over 500 Sports Physical Exams in McAllen, Edinburg, and Pharr.</i>			
08/2014-present	Patient Care Community	Volunteer	Physician
<i>Volunteer physician to work with Operation Lone Star Yearly with over 4000 uninsured patients treated.</i>			
08/2014-01/2015	Patient Care Community	Volunteer	Physician
<i>Volunteer physician to work with immigrant children and women crossing the border. Worked in a mobile clinic to evaluate and treat immigrants before traveling to family in the United States.</i>			
06/2011-12/2013	Patient Care Community	Volunteer Physician	Clinician
<i>Volunteer physician and member of the Board for the indigent clinic in Fayetteville, North Carolina. Provided evening clinic coverage, mentoring, and resident education for patients on a routine basis.</i>			
01/2009-01/2011	Community	Volunteer Physician	Clinician
<i>Neighborhood Health Services, Indigent Care Clinic, Volunteer provider Tallahassee Florida Neighborhood Health Services (NHS) has served the community for over 35 years. The clinic is well known in Leon and surrounding counties as a critical provider of primary, mental, and episodic care for the medically underserved, uninsured, and homeless persons.</i>			
01/2008-01/2009	Community	Eckerd Youth Alternative	Board of Directors
<i>Board of Directors, Eckerd Youth Alternatives, A youth camp for troubled children in North Carolina</i>			

Professional Affiliations

06/1984-Present	American Academy of Family Physicians
06/2009-2019	National Rural Health Association, Border Health
06/2009-2016	National Rural Health Association

01/2004-Present Society of Teachers of Family Medicine
 06/2009-05/2011 Capital Medical Society
 05/1993-01/1998 American Society for Clinical Hypnosis

Hospital

<u>Dates</u>	<u>Committee</u>	<u>Role</u>
08/2011-12/2013	Bioethics Committee	Chair
<p><i>The Bioethics Committee is an inter-professional team trained in bioethics. The committee's purpose is to define policies and procedures for the hospital system with regards to ethics and professionalism, train the members of the system in ethics and professionalism, and provide advice and direction on consults submitted by health care providers. The meetings were monthly. As Chair, I completed two consults per month ranging from end-of-life issues to advance directives. I participated in quarterly workshops on bioethics and professionalism.</i></p>		

06/2011-12/2013	Residency Oversight Committee	Member
<p><i>The Residency Oversight Committee is a hospital systems committee formed by system departments and chief medical officer. The committee met quarterly to review and advise the system on the function of the system's educational programs.</i></p>		

Other

01/2012-present		Border Health Initiative Member
01/2012-Present	Multiracial and Multicultural Council National Rural Health Association	Chair
<p><i>The Council Chair is responsible for advising the Board of Trustees and Rural Health Congress on issues pertinent to the National Rural Health Association. The Chair is required to attend one Board of Trustees meeting and one Congress meeting per month. The Council meets every other month, and the Chair represents the Council at the annual congress held in Washington DC. The Chair also attends the annual Multiracial and Multicultural conference and the annual NRHA meeting.</i></p>		

06/2011-12/2013	Southern Regional Area Health Education Executive Committee	Member
<p><i>As Vice President of the Southern Regional AHEC, we met bi-monthly to direct the organization. SR-AHEC is part of the NC AHEC program and is affiliated with Duke University Medical Center. The region serviced by SR-AHEC includes Bladen, Cumberland, Harnett, Hoke, Moore, Richmond, Robeson, Sampson, and Scotland counties.</i></p>		

06/2011-12/2013	Southern Regional Area Health Education Quality Improvement Committee	Member
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The Q.I. committee reported directly to the President of the SRAHEC. The purpose of the committee was to design, monitor, and track Q.I. projects for the organization. The committee met once a month, with approximately 5-10 projects followed. I focused on Patient-Centered Medical Home and NCQA certification.

01/2009-05/2011 Florida Area Health Education Center, Chair
 Continuing Medical Education
 Committee

The committee's purpose is to advise the AHEC on continuing medical education and ensure quality and maintain requirements for CME for health providers in Florida State. The committee met once a month for 1 hour and required a yearly two-day training session in AHEC policies and procedures.

03/2008-06/2009 American Association of Family Chair
 Physicians

Designed and submitted to the American Academy of Family Physicians the Curriculum Guidelines for Neurology and Occupational Health.

03/1991-03/1995 Student Resident Affairs Committee Chair

The Student Resident Affairs Committee advised the USAFP on issues concerning graduate medical education in the military training programs.

School

03/2011-12/2009 LCME Subcommittee Florida State Co-Chair
 University, College of Medicine

The committee's purpose was to identify the Faculty Development and Scholarly Activity Subcommittee elements of the LCME re-certification for the medical school. The committee met monthly then weekly before the LCME site visit.

08/2009-06/2011 Admissions Committee, The Florida Member
 State
 University, College of Medicine

The admissions committee met weekly (3 hours). I interviewed four students per week (3 hours) during interview season. I averaged 30 -40 student interviews per season.

01/2009-3/2016 Multiracial and Multicultural Council, Member
 National Rural Health Association

The Council represents rural and minority-responsive national associations and professional organizations to provide health care services and access to rural minority populations. This committee representation included African Americans, Asian Americans, Hispanics/Latinos, and Native Americans. The NRHA is committed to playing a leading role in developing and

carrying out a national rural minority health policy statement and action strategy to improve the health status of rural minority populations.

03/1995-03/1996 Association of Military Surgeons of the United States. Exhibits Committee Member

University select

Dates	Committee
09/2021-present	UTRGV SOM Admissions Committee
09/2021-present	UTRGV SOM Promotions and Tenure Committee
09/2020-2021	Chair UTRGV Faculty Assembly Executive Committee
09/2019-2020	Chair-elect UTRGV Faculty Assembly Executive Committee
04/2021-07/2021	UTRGV SOM Search Committee
01/2014-present	UTRGV SOM Promotions and Tenure Committee
01/2014-2017	UTRGV SOM Admissions Committee
03/2015-2017	UTRGV Curriculum Committee- Co-Chair
01/2011-01/2013	Caper Fear Valley Hospital Bioethics Committee Chair

11/2014-2019 LCME Education Committee, UTRGV, School of Medicine Member

As a member of the LCME ED committee, I participated in all aspects of the preparation of the Self Study, the Texas Higher Education Board, and the LCME preparation for the Site Visit.

10/2014-Present LCME Medical Student Committee, UTRGV, School of Medicine Member

As a member of the LCME MS committee, I participated in all aspects of the preparation of the Self Study, the Texas Higher Education Board, and the LCME preparation for the Site Visit.

08/2014-Present UTRGV School of Medicine Curriculum Advisory Committee, UTRGV, SOM Member

As a member, I have attended the Institute of Translational Education, the Circle curriculum committee, and the curriculum advisory committee.