DON'T MESS WITH RESEARCH

9th Annual MEDVAMC Research Poster Session

Wednesday, October 4, 2023 | 2:00 - 4:00pm

Presented by

[Poster image with a cowboy silhouette and a Texas map background]
2:00 PM
Welcome!

2:10 - 2:35 PM
Poster Session A

2:35 - 3:00 PM
Poster Session B

3:00 - 3:25 PM
Poster Session C

3:00 - 3:25 PM
Judge’s Deliberation

3:25 - 3:45 PM
Announcement of Awards

3:45 - 4:00 PM
Howdy!
Session A Line Up | 2:10 PM

The below poster numbers will present during Session A. Please see the map on the last page to locate posters.

**CTRID Posters**

1. **Post-Traumatic Stress Disorder (PTSD) Patients Display Lower Functional Connectivity Between the Habenula and the Globus Pallidus.** Presenter: Terence Wayne Shaw II; PI: Ramiro Salas, PhD

2. **β2-Glycoprotein I Plays a Significant Role in the Clearance of Pathogenic Extracellular Mitochondria.** Presenter: Swapan Dasgupta, MS, PhD; PI: Perumal Thiagarajan, MD

3. **Expansion of Trem2+CD11b+ Macrophages and Loss of SiglecF+ Pulmonary Tissue Macrophages in Murine Vaping Associated Acute Lung Injury.** Presenter: Yun Zhang; PI: Farrah Kheradmand, MD

4. **CSP #595: Pulmonary Health and Deployment to Southwest Asia and Afghanistan.** Presenter: Paula Lyrse & Flora Anyalebechi; PI: Farrah Kheradmand, MD

5. **Corneal Innervation and Sensitivity Following Obesogenic Diet Consumption and Aging.** Presenter: Justin Courson, PhD; PI: Alan Burns, PhD

**IQuEST Posters**

15. **Veteran Affairs Seamless Phase II/III Randomized Trial of Standard Systemic Therapy With or Without PET-Directed Local Therapy for Oligorecurrent Prostate Cancer (VA STARPORT).** Presenter: Katherine Galen, MPH; PI: Abhishek Solanki, MD

16. **Partnership as a Pathway to Diagnostic Excellence – The Challenges and Successes of the Safer Dx Learning Lab.** Presenter: Jennifer Sloane, PhD; PI: Traber Giardina, PhD

17. **Promoting Equitable Learning Environments Through Participation in an Advanced Feedback Curriculum.** Presenter: Jessica Castillo, BS; PI: Sylvia Hysong, PhD

20. **Lack of Knowledge of Antibiotic Risks Among an Outpatient Population is Associated with Intention to Use Non-Prescription Antibiotics.** Presenter: Eva Amenta, MD; PI: Barbara Trautner, MD, PhD & Larissa Grigoryan, MD, PhD

21. **Transfer Learning with BERT Radiology Impressions for Phenotyping Venous Thromboembolism.** Presenter: Arash Maghsoudi, PhD; PI: Javad Razjouyan, MS, PhD & Ang Li, MS, MD

27. **Impact of Cumulative Intimate Partner Violence (IPV) and Military Sexual Trauma (MST) on PTSD Treatment Outcomes in Female Veterans.** Presenter: Deleene Menefee, PhD; PI: Deleene Menefee, PhD

32. **Impact of a Two-Year Healthcare Quality Improvement Fellowship on the Knowledge and Skills of Interprofessional Fellows.** Presenter: Laura Witte, DrPH, MPH; PI: Kyler Godwin, PhD, MPH

**CSR&D/RR&D/Other Posters**

36. **Responsive Neurostimulation Reduces Hippocampal Seizures by Modulating Theta and Gamma Oscillations.** Presenter: Gabriel Reyes, BSc; PI: Zulfi Haneef, MD

37. **Characterizing the Bacteriophage Sensitivities of Uropathogenic E. coli from Hospitalized Patients with UTI at MEDVAMC.** Presenter: Jacob Zulk; PI: Barbara Trautner, MD, PhD

38. **Age at Onset and Therapeutic Efficacy of Primidone in Essential Tremor.** Presenter: Fariha Jamal, MD & George Jackson, MD; PI: George Jackson, MD

39. **Risk Factors of Sleep Disordered Breathing in Veterans with Parkinson’s Disease.** Presenter: Aliya Sarwar, MD; PI: Aliya Sarwar, MD

40. **Central Nervous System 5-HT Plays a Role in Respiratory and Arousal Response to Hypoxia and Hypercapnia in Spinal Cord Injured Mice.** Presenter: Qingchao Qiu, MD, PhD; PI: Jason Mateika, PhD
Session B Line Up | 2:35 PM

The below poster numbers will present during Session B. Please see the map on the last page to locate posters.

**CTRID Posters**

6. **Sign and Goal Tracking in Humans May Differentiate Healthy vs Psychiatric Populations.** **Presenter:** Jada Malveaux; **PI:** Ramiro Salas, PhD

7. **Long-Term Persistence of Candida albicans in the Murine Gastrointestinal Tract.** **Presenter:** Kelsey Mauk; **PI:** David Corry, MD

8. **An Immunosuppressive Role for Platelet Protein Phosphatase 1a in Cancer Pathophysiology.** **Presenter:** Deepika Subramanyam, PhD; **PI:** Vinod Vijayan, PhD

9. **Tumor-Derived Fibrinogen and Vimentin Interaction Promotes Pancreatic Ductal Adenocarcinoma Progression.** **Presenter:** Dongliang Liu, PhD; **PI:** Qizhi Cathy Yao, MD, PhD

10. **Testosterone Modulation of Muscle Gene Expression During Intensive Lifestyle Intervention in Older Men with Obesity and Hypogonadism.** **Presenter:** Viola Viola, MS; **PI:** Dennis Villareal, MD

**IQoEST Posters**

22. **Perspectives on Non-Prescription Antibiotic Use Among Hispanic Patients in the Houston Metroplex: A Qualitative Study.** **Presenter:** Lindsey Laytner, PhD, MPH; **PI:** Barbara Trautner, MD, PhD & Larissa Grigoryan, MD, PhD

23. **Effects of Acculturation and Social Norms on Intention to Use Antibiotics Without a Prescription Among Hispanic or Latino Individuals.** **Presenter:** Sophia Braund, BS; **PI:** Barbara Trautner, MD, PhD

25. **Leftover Antibiotics Are a Major Barrier to Antibiotic Stewardship: Results from a Survey in over 500 Patients in Ambulatory Care Settings.** **Presenter:** Kiara Olmeda, MS; **PI:** Barbara Trautner, MD, PhD & Larissa Grigoryan, MD, PhD

26. **How Has the VHA’s Community Care Network for Screening Colonoscopies Changed After the MISSION Act?** **Presenter:** Chase Eck, PhD; **PI:** Chase Eck, PhD

28. **More Patients, More Medications, More Time: Using Medication Pass Analysis to Examine Longitudinal Changes in Inpatient Nurse Staffing and Workload from 2019-2022.** **Presenter:** Melissa Knox, RD; **PI:** Laura Petersen, MD, MPH

30. **Rural Veterans with HIV and Alcohol Use Disorder Receive Less Video Telehealth than Urban Veterans.** **Presenter:** Alan Sheinfil, PhD; **PI:** Anthony Ecker, PhD

31. **Evaluating the Necessity of Using Multiple Data Sources to Estimate Comorbidity Indices for VA-Medicaid Dual-Enrollees.** **Presenter:** Patrick O’Mahen, PhD; **PI:** Laura Petersen, MD, MPH

**CSR&D/RR&D/Other Posters**

41. **Suicide Prediction in Major Depressive Disorder Using Connectome Based Modeling.** **Presenter:** Lynnette Averill, PhD; **PI:** Lynnette Averill, PhD

42. **Findings of PTSD Specific Deficits in Default Mode Network Strength Following a Mild Experimental Stressor.** **Presenter:** Christopher Averill; **PI:** Chadi Abdallah, MD

43. **Biological Embedding of Early Trauma: The Role of Increased Prefrontal Synaptic Strength.** **Presenter:** Amanda Tamman, PhD; **PI:** Chadi Abdallah, MD

44. **Traumatic Brain Injury and Rapid Eye Movement Sleep Behavior Disorder Symptoms in OEF/OIF Veterans.** **Presenter:** Dakota Broadway, MA, Melissa Jones, MD, & Gursimrat Bhatti, MD; **PI:** Ricardo Jorge, MD & Melissa Jones, MD
**Session C Line Up | 3:00 PM**

The below poster numbers will present during Session C. Please see the map on the last page to locate posters.

### CTRID Posters

11. **Growth Differentiation Factor (GDF15) Differentially Correlates Body Composition and Bone in Non-African American Obese Hypogonadal Men.** **Presenter:** Siresha Bathina, PhD; **PI:** Reina Villareal, MD

12. **Thrombin Cleaves Vimentin.** **Presenter:** Adrian Cebula, MS; **PI:** Miguel Cruz, PhD & Andrew Yee, PhD

13. **Active VWF (Exposed A1A2 Domains) Modulates Fibrin Polymerization and Fibrin Network Structure: Implications for Thromboinflammatory Diseases.** **Presenter:** Marina Martinez-Vargas, PhD; **PI:** Miguel Cruz, PhD

14. **Functional Characterization of von Willebrand Factor Using Phage Display.** **Presenter:** Alberto Partida; **PI:** Andrew Yee, PhD

### IQuEST Posters

18. **Substance Use and Symptoms in Veterans with Gulf War Illness.** **Presenter:** Carl Berghult; **PI:** Drew Helmer, MD, MS

19. **Developing a Process to Apply Artificial Intelligence to Summarize Research Articles.** **Presenter:** Samuel McGuire; **PI:** Drew Helmer, MD, MS

24. **Local Lung Cancer Screening Program: Identification of Reasons “Not Enrolled” to Inform Education and Program Needs.** **Presenter:** Mandi Sonnenfeld, PhD, MOT, OTR/L; **PI:** Drew Helmer, MD, MS

29. **Where Are the Data and Specimens?** **Presenter:** Jaraad Ramkissoon, MD; **PI:** Drew Helmer, MD, MS

34. **Sexual Health Concerns of Gulf War Women Veterans With and Without Severe Gulf War Illness.** **Presenter:** Alexandra Caloudas, PhD; **PI:** Drew Helmer, MD, MS

35. **African American and Hispanic Veteran Experiences with Mental Health Treatment and Anxiety Symptoms.** **Presenter:** Briana Johnson, BS & Amy Serratos, BA; **PI:** Jeffrey Cully, PhD, Terri Fletcher, PhD, & Darius Dawson, PhD

48. **What Factors Contribute to Erroneous Diagnosis of Unspecified Anxiety Disorder?** **Presenter:** Brandon Shanahan, MS; **PI:** Terri Fletcher, PhD

### CSR&D/RR&D/Other Posters

33. **Violence and Physical Aggression in Parkinson’s Disease Without Dementia: A Systematic Review.** **Presenter:** Dakota Broadway, MA, Malena Gimenez-Zapiola, MA, Gursimrat Bhatti, MD, & Melissa Jones, MD; **PI:** Laura Marsh, MD, Ricardo Jorge, MD, & Melissa Jones, MD

45. **The Impact of Brain Stimulation on Verbal Memory.** **Presenter:** Promise Ufomadu, BSA & Megan Alam, BS; **PI:** Zulfi Haneef, MD

46. **Racial and Ethnic Differences in Arteriovenous Access (AVA) Use 1 Year After HD Initiation with a Central Venous Catheter (CVC).** **Presenter:** Melandrea Worsley, MD; **PI:** Melandrea Worsley, MD

47. **VA Coordinated Anxiety Learning and Management for Transdiagnostic Treatment of Co-Occurring Anxiety and Substance Use: A Pilot Randomized Controlled Trial.** **Presenter:** Jennifer Lee, BA & Brenda Salgado, BS; **PI:** Anthony Ecker, PhD

49. **Treatment Goals and Preferences of Black Patients with Chronic Musculoskeletal Pain.** **Presenter:** Mackenzie Shanahan, PhD; **PI:** Marianne Matthias, PhD

50. **Informational Poster: VA Technology Transfer Program.** **Specialist:** Bhoomija Hariprasad, MS, Technology Transfer Specialist
Posters are organized in **numerical order, not according to presentation session**. For example, Poster #1 can be found where the “Start Here” icon is located on the map (on the West outer wall). Following the arrows, poster numbers will increase, and the last poster (poster #50) will be located at the “End Here” icon (on the West inner wall).
CONGRATULATIONS

POSTER SESSION Awardees

1ST

Testosterone Modulation of Muscle Gene Expression During Intensive Lifestyle Intervention in Older Men with Obesity and Hypogonadism.

PRESENTER: VIOLA VIOLA, MS

2ND

Perspectives on Non-Prescription Antibiotic Use Among Hispanic Patients in the Houston Metroplex: A Qualitative Study.

PRESENTER: LINDSEY LAYTNER, PHD, MPH

3RD

Responsive Neurostimulation Reduces Hippocampal Seizures by Modulating Theta and Gamma Oscillations.

PRESENTER: GABRIEL REYES

RUNNER-UPS

Thrombin Cleave Vimentin.

PRESENTER: ADRIAN CEBULA, MS

Rural Veterans with HIV and Alcohol Use Disorder Receive Less Video Telehealth than Urban Veterans.

PRESENTER: ALAN SHEINFIL, PHD