



Georgian Implementation Science Fogarty Training (GIFT) Program

Ilia State University & Yale University

Implementation Science: From Theory to Practice

Summer Bootcamp in Implementation Science and Biostatistics

July 30 – August 2, 2025

Venue: G106 Conference Hall, 1 Giorgi Tsereteli St, Tbilisi, Georgia

DAY 1		30 July 2025	
Facilitator	Irma Kirtadze MD, PhD Associate Professor Faculty of Arts & Science, Faculty of Natural Science and Medicine, Ilia State University		
08:30-9:00	Registration & Morning Coffee/Tea		
09:00-09:15	Welcome Message and Opening Remarks Prof. George Gvalia Vice Rector Ilia State University Prof. Elene Zhuravliova Dean, School of Natural Sciences and Medicine Ilia State University		
09:15-10:05	Keynote Lecture <ul style="list-style-type: none"> An overview of implementation Science: What it is and what it is not! Luke Davis, MD, Assoc. Professor of Epidemiology and Medicine, Yale School of Medicine and Public Health 10 min for QA		
10:05-10:55	Plenary Lecture <ul style="list-style-type: none"> Study Designs and Methods for Implementation Research Denise Esserman, Ph.D. Professor of Biostatistics Yale School of Public Health 10 min for QA		
10:55-11:10	Break		
11:10-12:00	Plenary Lecture <ul style="list-style-type: none"> Selecting and Combining Implementation Strategies Frederick Altice, MD, MA, Professor of Medicine and Public Health, Yale University 10 min for QA		
12:00-1:00	D43 Scholar Case Study Consults <ul style="list-style-type: none"> Barriers and Facilitators of PrEP Uptake among Key Populations in Georgia Tamar Mgebrishvili, MA, PhD (c) Advancing HIV Program Implementation for MSM in Georgia: The Role of Evidence-Based Decision-Making Anzor Chavchavadze, PhD (c) 		

1:00-2:00	Lunch break		
TIME	Track 1: Implementation Science in G106 Aud.	Track 2: Implementation Science + Biostat (core) in T102 Aud.	Track 3: Implementation Science + Biostat (advance) in T101 Aud.
2:00-3:15	<p>Senior Case Reports and Consultations <i>Regional examples of IS case studies</i> Using Routine Data for Implementation Evaluation: Lessons from the Rollout of New TB Regimens in Georgia</p> <ul style="list-style-type: none"> • Veriko Mirtskhulava, MD, PhD <p>HIV/AIDS in Georgia: The Current State, Achievements and Challenges</p> <ul style="list-style-type: none"> • Akaki Abutidze MD, MPH, PhD 	<p>Descriptive stats Continuous Categorical data Probability</p> <ul style="list-style-type: none"> • Tassos Kyriakides, PhD • Lily Katsovich, MS, MBA 	<p>Introduction to Sample Size for Clinical Trials</p> <ul style="list-style-type: none"> • Denise Esserman, PhD
3:15-4:15	<p>Interactive Case Studies HIV in Eastern Europe and Central Asia (EECA): Closing the Gap Between Evidence and Routine Practice</p> <ul style="list-style-type: none"> • Nikoloz Chkhartishvili MD MPH PhD <p>Moderator: Luke Davis, MD</p>	<p>Hands-on Practice</p> <ul style="list-style-type: none"> • Tassos Kyriakides, PhD • Lily Katsovich, MS, MBA 	<p>Hands-on Practice</p> <ul style="list-style-type: none"> • Denise Esserman, PhD
4:15-4:30	Coffee/Tea break		
4:30-5:30	<p>Live Stream Lecture Using Qualitative and Mixed Methods Research to Strengthen Implementation Science</p> <ul style="list-style-type: none"> • Debbie Humphries, PhD, MPH, MA 	<p>Probability and Hands-on Practice</p> <ul style="list-style-type: none"> • Tassos Kyriakides, PhD • Lily Katsovich, MS, MBA 	<p>Introduction to Sample Size for Clinical Trials (cont.)</p> <ul style="list-style-type: none"> • Denise Esserman, PhD
5:30-6:30	<p>Ask the Experts: Implementation Research Consultation (by advance submission only)</p> <ul style="list-style-type: none"> • Denise Esserman, PhD • Lily Katsovich, MS, MBA • Tassos Kyriakides, PhD • Luke Davis, MD • Frederick Altice, MD • Lynn Madden, PhD 		
		<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>Note: To submit your questions, please use the QR code or refer to the daily email containing the submission link.</p> </div>	


DAY 2		31 July 2025	
Facilitator	David Otiashvili MD, PhD Associate Professor Faculty of Natural Science and Medicine, Ilia State University		
08:30-9:00	Registration & Morning Coffee/Tea		
09:00-09:05	Opening Remarks		
09:05-09:50	Keynote Lecture Implementation Research from Basics to Advanced: Terminology, Frameworks, and Theories to Guide the Process <ul style="list-style-type: none"> • Luke Davis, MD 10 min for QA		
09:50-10:40	Plenary Lecture Introduction to NIATx: A Bundle of Blended Implementation Science Strategies <ul style="list-style-type: none"> • Lynn Madden, PhD, MPA 10 min for QA		
10:40-11:00	Break		
11:00-12:00	Skills Building Session How to Write an Effective Manuscript for Peer Review <ul style="list-style-type: none"> • Luke Davis, MD 		
12:00-1:00	D43 Scholar Case Study Consultations Implementation Of the Evidence-Based Substance Use Screening, Brief Intervention and Referral in The Prenatal Healthcare System <ul style="list-style-type: none"> • Irakli Natsvlishvili, MD, PhD (c) Addressing the Syndemic of Substance Use and Mental Health: Pre-Implementation Assessment of SBIRT in Georgian Harm Reduction Services <ul style="list-style-type: none"> • Mariam Pashalishvili, MSc, PhD (c) 		
1:00-2:00	Lunch break		
TIME	Track 1: Implementation Science in G106 Aud.	Track 2: Implementation Science + Biostat (core) in T102 Aud.	Track 3: Implementation Science + Biostat (advance) in T101 Aud.
2:00-3:15	Senior Case Reports and Consultations Revisiting Implementation: Scaling up Opioid Agonist Therapies in Ukraine <ul style="list-style-type: none"> • Eteri Machavariani, MD, MPH, PhD (c) Addressing HIV Disclosure Challenges: Pre-Implementation Assessment of a Decision Aid Intervention Among PLHIV in Georgia <ul style="list-style-type: none"> • Tamar Zurashvili, MD, MPH, PhD (c) 	Estimation, Hypothesis Testing, Comparing Means: Parametric and non-parametric <ul style="list-style-type: none"> • Tassos Kyriakides, PhD • Lily Katsovich, MS, MBA 	Introduction to More Complex Designs <ul style="list-style-type: none"> • Denise Esserman, PhD
3:15-4:15	Case Study with Decision Point Towards Hepatitis C Elimination in Georgia:	Hands-on Practice <ul style="list-style-type: none"> • Tassos Kyriakides, PhD • Lily Katsovich, MS, MBA 	Hands-on Practice <ul style="list-style-type: none"> • Denise Esserman, PhD

	<p>Successes, Challenges, and the Road Ahead</p> <ul style="list-style-type: none"> • Davit Baliashvili MD, MPH, PhD <p>Moderator: Luke Davis, MD</p>		
4:15-4:30	Coffee/Tea break		
4:30-5:30	<p>Live Stream Lecture How to Conduct a Literature Review</p> <ul style="list-style-type: none"> • Kate Nyhan, MLS, IPI PMC <p>10 min for QA</p>	<p>Correlation and regression and Hands-on Practice</p> <ul style="list-style-type: none"> • Tassos Kyriakides, PhD • Lily Katsovich, MS, MBA 	<p>Introduction to More Complex Designs (continued)</p> <ul style="list-style-type: none"> • Denise Esserman, PhD
5:30-6:30	<p>Ask the Experts: Implementation Research Consultation (by advance submission only)</p> <ul style="list-style-type: none"> • Denise Esserman, PhD • Lily Katsovich, MS, MBA • Tassos Kyriakides, PhD • Luke Davis, MD • Frederick Altice, MD • Lynn Madden, PhD 		

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DAY 3			
1 August 2025			
Facilitator	Tamar Mgebrishvili, MA, PhDc Faculty of Natural Science and Medicine, Ilia State University		
08:30-08:55	Registration & Morning Coffee/Tea		
08:55-09:00	Opening Remarks		
09:00-09:50	Keynote Lecture Are We Doing What We Planned? Measuring Fidelity in Implementation Science <ul style="list-style-type: none"> • David Otiashvili, MD, PhD 10 min for QA		
09:50-10:40	Plenary Lecture Mastering the Data Maze: best Practice for Streamlined Research Data Management <ul style="list-style-type: none"> • Lily Katsovich, MS, MBA 10 min for QA		
10:40-11:00	Break		
11:00-12:00	Didactic Lecture Mapping Expert Recommendations for Implementing Change (ERIC) Strategies to the Stages of Implementation Completion® (SIC) Process: A Universal Approach for Implementation Across Contexts. <ul style="list-style-type: none"> • Ekaterina Burduli, PhD 		
12:00-1:00	D43 Scholar Case Study Consultations Evaluation of tuberculosis preventive treatment among persons living with HIV in the country of Georgia (Livestream) <ul style="list-style-type: none"> • Mariana Buziashvili BPharm, MPH, PhD(c) Tuberculosis Systematic Screening and Preventive Treatment among Household and Close Contacts of People with Infectious Tuberculosis and People Living with HIV in Georgia <ul style="list-style-type: none"> • Keti Meskhi MPH, PhD(c) 		
1:00-2:00	Lunch break		
TIME	Track 1: Implementation Science in G106 Aud.	Track 2: Implementation Science + Biostat (core) in T102 Aud.	Track 3: Implementation Science + Biostat (advance) in T101 Aud.
2:00-3:15	Senior Case Reports and Consultations Applying Implementation Frameworks to Optimize Pre-Implementation And Implementation Strategies in Resource-limited Settings <ul style="list-style-type: none"> • Assel Terlikbayeva MD Exploring Innovative Delivery Strategies for Substance Use Prevention Among Adolescents: Effectiveness, Cost-Effectiveness and Process Evaluation <ul style="list-style-type: none"> • David Otiashvili, MD, PhD 	Chi-squares and logistic regression <ul style="list-style-type: none"> • Tassos Kyriakides, PhD • Lily Katsovich, MS, MBA 	Introduction to missing Data <ul style="list-style-type: none"> • Denise Esserman, PhD
3:15-3:30	Coffee/Tea Break		
3:30-5:30	Workshop	Hands-on Practice	Hands-on Practice

	<p>Pre-Implementation Strategies</p> <ul style="list-style-type: none"> • Lynn Madden, PhD <p>A Deeper Dive into Nominal Group Technique: Hands-on Experience</p> <ul style="list-style-type: none"> • Lynn Madden, PhD • Frederick Altice, MD 	<ul style="list-style-type: none"> • Tassos Kyriakides, PhD • Lily Katsovich, MS, MBA 	<ul style="list-style-type: none"> • Denise Esserman, PhD
<p>5:30-6:30</p>	<p>Ask the Experts: Implementation Research Consultation <i>(by advance submission only)</i></p> <ul style="list-style-type: none"> • Denise Esserman, PhD • Lily Katsovich, MS, MBA • Tassos Kyriakides, PhD • Luke Davis, MD • Frederick Altice, MD • Lynn Madden, PhD <div data-bbox="760 422 1214 604" style="border: 1px solid black; padding: 5px; margin: 10px auto; width: fit-content;"> <p>Note: To submit your questions, please use the QR code or refer to the daily email containing the submission link.</p> </div> <div data-bbox="1268 390 1539 646" style="text-align: right; margin: 10px auto;">  </div>		

DAY 4				2 August 2025			
Facilitator		David Otiashvili MD, PhD Associate Professor Faculty of Natural Science and Medicine, Ilia State University					
08:30-08:55		Registration & Morning Coffee/Tea					
08:55-09:00		Opening Remarks					
09:00-09:45		Keynote Lecture Digital Solutions in Implementation Science <ul style="list-style-type: none"> Frederick Altice, MD 10 min for QA					
09:45-10:30		Plenary Lecture Methodological And Statistical Considerations in Implementation Science Case Example <ul style="list-style-type: none"> Denise Esserman, PhD 10 min for QA					
10:30-10:45		Break					
10:45-12:00		Real World case Examples: What Gets In The Way? Real-World Implementation During Distributions: Sustainability & Strategies <ul style="list-style-type: none"> Frederick Altice MD, MA 					
12:00-1:00		D43 Scholar Case Study Consultations The mixed method implementation study of feasibility and acceptability of using HIV self-tests among PWID via HPVM <ul style="list-style-type: none"> Mariam Sherozia, MA, PhD (c) Scaling Up Opioid Agonist Treatment for HIV Prevention in Probation System in Georgia <ul style="list-style-type: none"> Levan Salamadze, MA, PhD (c) 					
1:00-2:00		Lunch break					
TIME	Track 1: Implementation Science in G106 Aud.	Track 2: Implementation Science + Biostat (core) in T102 Aud.	Track 3: Implementation Science + Biostat (advance) in T101 Aud.				
2:00-3:30	NIATx Workshop <ul style="list-style-type: none"> Lynn Madden, PhD 	Study Design Overview <ul style="list-style-type: none"> Tassos Kyriakides, PhD Lily Katsovich, MS, MBA 	Imputation Methods <ul style="list-style-type: none"> Denise Esserman, PhD 				
3:30-3:45	Coffee/Tea Break						
3:45-5:30	NIATx Workshop (continued) <ul style="list-style-type: none"> Lynn Madden, PhD 	Repeated Measures and Survival Analysis <ul style="list-style-type: none"> Tassos Kyriakides, PhD Lily Katsovich, MS, MBA 	Hands-on Practice <ul style="list-style-type: none"> Denise Esserman, PhD 				
5:30-6:30	Ask the Experts: Implementation Research Consultation (by advance submission only) <ul style="list-style-type: none"> Denise Esserman, PhD Lily Katsovich, MS, MBA Tassos Kyriakides, PhD Luke Davis, MD Frederick Altice, MD Lynn Madden, PhD 						
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