

Science and Treatment College

Training One: 30-Day Science Academy

Curriculum Overview:

Module 1.1	Natural History of HIV Data Interpretation and Biostatistics HIV Structure, Lifecycle, and Replication Overview of the Human Immune System Origins of HIV Immune Responses to HIV Pathogenesis of HIV Disease and Markers of Progression Immune Reconstitution
Module 1.2	HIV Basic Science Introduction to Basic Sciences Model Systems to Study HIV Major Basic Science Discoveries in HIV Current HIV Basic Science Research Topics HIV Cure Translation Science – Bench to Bedside to Community Future Directions in HIV Basic Science Research
Module 2.1	Research Ethics Ethical Principles of Research Involving Human Participants History of Research Ethics: Case Studies – Tuskegee and Guatemala
Module 2.2	Scientific Methods and HIV Research Scientific and Research Methods – How We Know What We Know Structure of HIV Clinical Trials and HIV Prevention Research
Module 3.1	HIV Testing HIV Testing HIV PhotoVoice Project
Module 4.1	HIV Primary Care Natural History of Untreated HIV Infection Diagnosing HIV Infection Bacterial STIs Acute HIV Infection Overview of HIV Primary Care Structure of Primary Care and Funding Mechanisms Presentation on THE Clinic Understanding Results of Lab Tests “Prevention with Positives” in the Clinical Setting
Module 4.2	Antiretroviral Treatment

Rationale for and Goals of ARV Treatment
Overview of ARV Drug Classes and Individual Drugs
ARV Resistance
Side Effects of ARVs
Adherence to Treatment

Module 4.3 **Opportunistic Infections and Co-Infections – Prevention, Diagnosis, and Treatment**

Prevention, Diagnosis, and Treatment of Key Opportunistic Infections
Co-Infection with HIV and Hepatitis B and C
HIV and Tuberculosis
HIV and Cancer
Future Directions in HIV Clinical Research
HIV Cure Research

Module 5.1 **Epidemiology and HIV Prevention**

Introduction to Epidemiology, Reproductive Rate, and Basic HIV
The Global HIV Pandemic
Syndemics
HIV Epidemic in the United States
U.S. National HIV/AIDS Strategy
HIV and the Justice System
Public Health Models to Address HIV at the Local Level
Public Health Models to Address HIV at the National Level

Module 5.2 **HIV Prevention Interventions**

HIV Voluntary Counseling and Testing
HIV Pre-Exposure Prophylaxis and Post-Exposure Prophylaxis
Prevention of HIV Transmission by Blood and Through Treatment of Addiction
Behavior Modification, Including the Use of Barrier Methods
Microbicides for HIV Prevention
Vaccinology and HIV Vaccines
Future Directions in HIV Prevention Research

Module 6.1 **HIV Prevention, Care, Treatment, and Research in Specific Populations**

Adolescents and HIV
Transgender People and HIV
People Using Psychoactive Drugs and HIV
Women and HIV
HIV and Aging
Men Who Have Sex with Men (MSM) and HIV
Disclosure of HIV and Stigma in the MSM Population
Using Social Media for HIV Prevention in Minority MSM

Thursday, August 14th, 2014	
4:00 PM	Fellows Check-In
Saturday, August 16th, 2014	
10:30 AM – 11:30 AM <i>“Awkward Steps”</i> <i>(adjacent to Covell)</i>	Campus Tour Javan Cross, UCLA Resident Coordinator
Monday, August 18th, 2014 (NAFEESA)	
9:00 AM – 10:00 AM <i>BSRB 154</i>	Overview of Goals and Objectives Denishia Clark
10:00 AM – 11:00 AM <i>BSRB 154</i>	Pre-Test
11:00 AM – 11:15 AM	Break
11:15 AM – 12:00 PM <i>BSRB 154</i>	Intro to Basic Science Module Scott Kitchen
12:00 PM – 1:00 PM	Lunch
1:00 PM – 2:00 PM <i>BSRB 154</i>	Study Skills/Academic Success Clarence Braddock
2:00 PM – 3:00 PM <i>BSRB 154</i>	Data Interpretation & Biostatistics Christina Ramirez
3:00 PM – 3:15 PM	Break
3:15 PM – 4:15 PM <i>BSRB 154</i>	HIV Structure, Life Cycle, and Replication Scott Kitchen
4:15 PM – 4:30 PM	Break
4:30 PM – 5:30 PM <i>BSRB 154</i>	Overview of the Human Immune System Zoran Galic
5:30- 5:45 PM	Wrap Up Denisha Clark
Tuesday, August 19th, 2014 (NAFEESA)	
9:00 AM – 10:00 AM <i>MRL 1-441</i>	Goals/Objectives/Review/Quiz Denishia Clark

10:00 AM – 11:00 AM <i>MRL 1-441</i>	Origins of HIV Matthew Marsden
11:00 AM – 11:15 AM	Break
11:15 AM – 12:15 PM <i>MRL 1-441</i>	Immune Responses to HIV Zoran Galic
12:15 PM – 1:15 PM	Lunch
1:15 PM – 2:15 PM <i>MRL 1-441</i>	Pathogenesis of HIV Disease and Markers of Progression Anjie Zhen
2:15 PM – 2:30 PM	Break
2:30 PM – 3:30 PM <i>MRL 1-441</i>	Immune Reconstitution Anjie Zhen
3:30 PM – 3:45 PM	Wrap Up Anthony Gutierrez
Wednesday, August 20th, 2014 (NAFEESA)	
9:00 AM – 10:00 AM <i>MRL 1-441</i>	Goals/Objectives/Review/Quiz Rebekah Israel
10:00 AM – 11:00 AM <i>MRL 1-441</i>	Introduction to Basic Sciences Emily Lowe
11:00 AM – 11:15 AM	Break
11:15 AM – 12:15 PM <i>MRL 1-441</i>	Model Systems to Study HIV Emily Lowe
12:15 PM – 1:15 PM	Lunch
1:15 PM – 2:15 PM <i>MRL 1-441</i>	Major Basic Science Discoveries in HIV Matthew Marsden
2:15 PM – 2:30 PM	Break
2:30 PM – 3:30 PM <i>MRL 1-441</i>	Current HIV Basic Science Research Topics Scott Kitchen
3:30 PM – 3:45 PM	Break

3:45 PM – 4:45 PM <i>MRL 1-441</i>	Wrap Up Rebekah Israel
Thursday, August 21st, 2014 (NAFEESA)	
9:00 AM – 10:15 AM <i>Friedman Room (CHS 12-407)</i>	Goals/Objectives/Review/Quiz Denishia Clark
10:15 AM – 11:15 AM <i>Friedman Room (CHS 12-407)</i>	Translation Science – Bench to Bedside to Community Dong Sung An
11:15 AM – 11:30 AM	Break
11:30 AM – 12:30 PM <i>Friedman Room (CHS 12-407)</i>	Future Directions in HIV Basic Science Research Scott Kitchen
12:30 PM – 1:30 PM	Lunch
1:30 PM – 3:00 PM	Site Visit – UCLA Basic Science Lab Scott Kitchen
3:00 PM – 3:15 PM	Wrap-Up Denishia Clark
Friday, August 22nd, 2014	
9:00 AM – 5:00 PM <i>Sunset Village</i>	Internship 1 Review & Small Group Work
12:00 – 1:30 PM <i>Covel Commons</i>	Welcome Lunch
Saturday, August 23rd 2014	
Black AIDS Weekly/communications activity	
Monday, August 25th, 2014 (SASHA)	
9:00 AM – 10:15 AM <i>MSB 1601</i>	Goals/Objectives/Review/Quiz Rebekah Israel
10:15 AM – 11:15 AM <i>MSB 1601</i>	History of Research Ethics: Case Studies Jeff Klausner
12:30 PM – 1:30 PM	Lunch
1:30 PM – 3:30 PM <i>MSB 1601</i>	Ethical Principles of Research Involving Human Participants

	Tom Coates
3:30 PM – 3:45 PM	Break
3:45 PM – 5:45 PM <i>MSB 1601</i>	Film Endgame: AIDS in Black America
5:45-6:00	Wrap Up Rebekah Israel
Tuesday, August 26th, 2014 (SASHA)	
9:00 AM – 9:15 AM <i>MRL 1-441</i>	Goals/Objectives/Review/Quiz Denishia Clark
9:15 AM – 10:15 AM <i>MRL 1-441</i>	Acute HIV Infection Jennifer Veltman
10:15 AM – 11:15 AM <i>MRL 1-441</i>	Scientific and Research Methods – How We Know What We Know Tom Coates
11:15 AM – 11:30 AM	Break
11:30 AM – 12:30 PM <i>MRL 1-441</i>	Structure of HIV Clinical Trials and HIV Prevention Research Tom Coates
12:30 PM – 1:30 PM	Lunch
1:30 PM – 2:15 PM <i>MRL 1-441</i>	Prep for HIV Self-Tests Jeff Klausner
2:15 PM – 2:30 PM	Break
2:30 PM – 4:30 PM <i>MRL 1-441</i>	HIV PhotoVoice Workshop Joseph Daniels & Jeff Klausner
4:30 PM – 4:45pm <i>MRL 1-441</i>	Wrap Up Anthony Gutierrez
Wednesday, August 27th, 2014 (SASHA)	
9:00 AM – 10:00 AM <i>MSB 1601</i>	HIV Testing Jeff Klausner
10:00 AM – 11:15 AM	Understanding Results of Lab Tests

<i>MSB 1601</i>	Jordan Lake
11:15 AM – 11:30 AM	Break
11:30 AM – 12:30 PM <i>MSB 1601</i>	Bacterial STI's Jeff Klausner
12:30 PM – 1:15 PM	Lunch
1:15 – 2:00 PM	Travel
2:00pm – 4:30 pm	Site Visit- THE Clinic Overview of HIV Primary Care Structure of Primary Care and Funding Mechanisms Derrick Butler
4:30-4:45	Wrap Up Rebekah Israel
Thursday, August 28th, 2014 (SASHA)	
9:00 – 10:00 AM <i>MRL 1-441</i>	Goals/Objectives/Review/Quiz Denishia Clark
10:00 AM – 10:15 AM	Break
10:15 AM – 11:15 AM <i>MRL 1-441</i>	Viral STDs Jeffrey Klausner
11:15 AM – 11:30 AM	Break
11:30 AM – 12:30 PM <i>MRL 1-441</i>	Diagnosing HIV Quen Cheng
12:30 AM – 1:30 PM	Lunch
1:30 PM – 2:30 PM <i>MRL 1-441</i>	The Natural History of Untreated HIV Paul Allyn
2:30 PM – 3:00 PM	Travel
3:00 PM – 6:00 PM	SITE VISIT – UCLA Clinical Lab Omai Garner
6:00 – 6:15 PM	Wrap Up Denishia Clark

Friday, August 29th, 2014 (SASHA)	
9:00 AM – 10:15 AM <i>Friedman Room (CHS 12-407)</i>	Goals/Objectives/Review/Quiz Anthony Gutierrez
10:15 AM – 11:15 AM <i>Friedman Room (CHS 12-407)</i>	Overview of ARV Drug Classes and Individual Drugs Ardis Moe
11:15 AM – 11:30 AM	Break
11:30 AM – 12:30 PM <i>Friedman Room (CHS 12-407)</i>	Side Effects of ARVs Ardis Moe
12:30- 12:45 PM	Wrap Up Anthony Gutierrez
Monday, September 1st, 2014	
Labor Day (no sessions)	
Tuesday, September 2nd, 2014 (ASHLEY or ELSE)	
9:00 AM – 10:15 AM <i>Westwood Room (CHS 14-214U)</i>	Goals/Objectives/Review/Quiz Denishia Clark
10:15 AM – 11:15 AM <i>Westwood Room (CHS 14-214U)</i>	Rationale for and Goals of ARV Treatment Oladunni Adeyiga
11:15 AM – 11:30 AM	Break
11:30 AM – 12:30 PM <i>Westwood Room (CHS 14-214U)</i>	Adherence to Treatment Video Presentation Q&A: Jeff Klausner & David Bangsberg (webcast)
12:30 PM – 1:30 PM	Lunch
1:30 PM – 2:30 PM <i>Westwood Room (CHS 14-214U)</i>	HIV and Cancer Ronald Mitsuyasu
2:30 PM – 3:30 PM <i>Westwood Room (CHS 14-214U)</i>	ARV Resistance Jennifer Fulcher
3:30 PM – 3:45 PM	Break
3:45 – 4:45 PM <i>Westwood Room (CHS 14-</i>	HIV and TB

214U)	Jeffrey Klausner
4:45 PM – 5:00 PM <i>Westwood Room (CHS 14-214U)</i>	Wrap Up TBD
Wednesday, September 3rd, 2014 (ASHLEY OR ELSE)	
9:00 AM – 10:15 AM <i>Westwood Room (CHS 14-214U)</i>	Goals/Objectives/Review/Quiz Denishia Clark
10:15 AM – 11:15 AM <i>Westwood Room (CHS 14-214U)</i>	Prevention, Diagnosis, and Treatment of Key Opportunistic Infections Theodoros Kelesidis
11:15 AM – 11:30 AM	Break
11:30 AM – 12:30 PM <i>Westwood Room (CHS 14-214U)</i>	Co-Infection with HIV and Hepatitis B and C Debika Bhattacharya
12:30 PM – 1:30 PM	Lunch
1:30 PM – 2:30 PM <i>Westwood Room (CHS 14-214U)</i>	Prevention With Positives in the Clinical Setting Jordan Lake
2:30 PM – 2:45 PM	Break
2:45 PM – 3:45 PM <i>Westwood Room (CHS 14-214U)</i>	Future Directions in HIV Clinical Research Eric Daar
3:45 PM – 4:00 PM	Break
4:00 PM – 5:00 PM <i>Westwood Room (CHS 14-214U)</i>	HIV Cure Research Matthew Marsden
5:00-5:15 PM	Wrap Up Denishia Clark
Thursday, September 4th, 2014 (NAFEESA)	
9:00 AM – 10:15 AM <i>BSRB 401</i>	Goals/Objectives/Review/Quiz Denishia Clark
10:15 AM – 11:15 AM <i>BSRB 401</i>	Introduction to Epidemiology, Reproductive Rate, and Basic HIV

	Roger Detels
11:15 AM – 12:00 PM <i>BSRB 401</i>	The Global HIV Pandemic Roger Detels
12:00 PM – 1:30 PM	Lunch
1:30 PM – 2:30 PM <i>BSRB 401</i>	Syndemics Tom Coates
2:30 PM – 3:30 PM <i>BSRB 401</i>	HIV Epidemic in the United States Ted Gideonse
3:30 PM – 4:30 PM <i>BSRB 401</i>	U.S. National HIV/AIDS Strategy Ted Gideonse
4:30 PM – 5:30 PM <i>BSRB 401</i>	HIV and the Justice System Mark Malek
5:30 PM – 5:45 PM <i>BSRB 401</i>	Wrap Up Denishia Clark
6:30 PM – 9:00 PM <i>Tamkin Auditorium Ronald Reagan Medical Center 757 Westwood Plaza</i>	**OPTIONAL** Why We Care: Stories of Reproductive Health Must RSVP to UNFoundationLA@unfoundation.org Private screening of a story from Participant Media’s new documentary “Misconception” and discussion with prominent champions and emerging leaders: Special Guest: <i>Congresswoman Karen Bass Thomas Coates Latanya Mapp Frett</i> (Vice President – Global, Planned Parenthood Federation of America <i>Jessica Yu</i> (Director – Misconception) <i>Monique Coleman</i> (Actress and Girl Up Champion) <i>Terry McCarthy</i> (President and CEO, Los Angeles World Affairs Council)
Friday, September 5th, 2014 (NAFEESA)	
9:00 AM – 11:15 AM <i>Bel-Air Room (CHS 17-323)</i>	Goals/Objectives/Review/Quiz Denishia Clark
11:15 AM – 11:30 AM	Break
11:30 AM – 12:30 PM <i>Bel-Air Room (CHS 17-323)</i>	Public Health Models to address HIV at the National Level

	Alexandra Ricca
12:30 PM – 1:30 PM	Lunch
1:30 PM – 2:30 PM <i>Bel-Air Room (CHS 17-323)</i>	Prevention of HIV Transmission by Blood and Through Treatment of Addiction Steve Shoptaw
2:30 PM – 2:45 PM	Break
2:45 PM – 3:45 PM <i>Bel-Air Room (CHS 17-323)</i>	People Using Psychoactive Drugs and HIV Steve Shoptaw
3:45 PM – 4:00 PM <i>Bel-Air Room (CHS 17-323)</i>	Wrap Up TBD
Saturday September 6th 2014	
Black AIDS Weekly- Communications Activity	
Monday, September 8th, 2014 (NAFEESA)	
9:00 AM – 10:15 AM <i>Brentwood Room (CHS 16-154)</i>	Goals/Objectives/Review/Quiz TBD
10:15 AM – 11:15 AM <i>Brentwood Room (CHS 16-154)</i>	Vaccinology and HIV Vaccines Otto Yang
11:15 AM – 12:00 PM <i>Brentwood Room (CHS 16-154)</i>	HIV Voluntary Counseling and Testing Tom Coates
12:00 PM – 1:00 PM *Lunch Provided* <i>NRB Auditorium</i>	International Perspectives on Adherence to HIV Treatment and Intervention David Bangsberg
1:00 PM – 1:30 PM	Break
1:30 PM – 2:30 PM <i>Brentwood Room (CHS 16-154)</i>	Future Directions in HIV Prevention Research Tom Coates
2:30 PM – 2:45 PM	Break
2:45 PM – 3:45 PM <i>Brentwood Room (CHS 16-154)</i>	Men Who Have Sex with Men and HIV Nina Harawa

3:45 PM – 4:00 PM	Break
4:00 PM – 5:00 PM <i>Brentwood Room (CHS 16-154)</i>	Transgender People and HIV Cathy Reback
5:00 PM – 5:15 PM <i>Brentwood Room (CHS 16-154)</i>	Wrap Up TBD
Tuesday, September 9th, 2014 (NAFEESA)	
9:00 AM – 10:15 AM <i>Westwood Room (CHS 14-214U)</i>	Goals/Objectives/Review/Quiz Denishia Clark
10:15 AM – 11:15 AM <i>Westwood Room (CHS 14-214U)</i>	Adolescents and HIV Katrina Kubicek
11:15 AM – 11:30 AM	Break
11:30 AM – 12:30 PM <i>Westwood Room (CHS 14-214U)</i>	HIV and Aging Alison Moore & Homero del Pino
12:30 PM – 1:30 PM	Lunch
1:30 PM – 2:30 PM <i>Westwood Room (CHS 14-214U)</i>	Women and HIV Karin Nielsen
2:30 PM – 3:30 PM <i>Westwood Room (CHS 14-214U)</i>	HIV Pre-Exposure Prophylaxis and Post-Exposure Prophylaxis Jeffrey Klausner
3:30 PM – 3:45 PM <i>Westwood Room (CHS 14-214U)</i>	Wrap Up Denishia Clark
3:45 PM – 5:00 PM	Hospital Tour Ashley Crain
Wednesday, September 10th, 2014 (NAFEESA)	
8:00 AM – 9:00 AM <i>MSB 1601</i>	Goals/Objectives/Review/Quiz Denishia Clark
9:00 AM – 10:15 AM <i>MSB 1601</i>	Public Health Models to Address HIV at the Local Level Mario Perez

10:15 AM – 11:15 AM <i>MSB 1601</i>	Microbicides for HIV Prevention Pamina Gorbach
11:15 AM – 11:30 AM	Break
11:30 AM – 12:30 PM <i>MSB 1601</i>	Disclosure of HIV and Stigma in the MSM Population Charles Lea, Shannon Dunlap, & Terrell Winder
12:30 PM – 1:30 PM	Lunch
1:30 PM – 2:30 PM <i>BSRB 401</i>	Using Social Media for HIV Prevention in Minority MSM (workshop) Sean Young
2:30 PM – 2:45 PM	Break
2:45 PM – 3:45 PM <i>BSRB 401</i>	HIV and the Black Community Hyman Scott
3:45 – 4:45 PM <i>BSRB 401</i>	Behavior and Condom Use Hyman Scott
4:45 PM – 5:00 PM <i>BSRB 401</i>	Wrap Up Denisha Clark
Thursday, September 11th, 2014 (NAFEESA)	
9:00 AM – 10:15 AM <i>Brentwood Room (CHS 16-154)</i>	Goals/Objectives/Review/Quiz Denishia Clark
10:15 AM – 12:30 PM <i>Brentwood Room (CHS 16-154)</i>	Film And the Band Played On
12:30 PM – 1:30 PM	Lunch
1:30 PM – 3:30 PM <i>Brentwood Room (CHS 16-154)</i>	Photoessay Presentations AAHU Fellows
3:30 – 4:30 PM <i>Brentwood Room (CHS 16-154)</i>	Networking Skills Rosvita Rauch
4:30 – 4:45 PM <i>Brentwood Room (CHS 16-154)</i>	Wrap Up TBD
Friday, September 12th, 2014 (NAFEESA)	

9:00 AM – 9:30 AM <i>BSRB 501</i>	Review/Reflections Raniyah Copeland
9:30 AM – 10:30 AM <i>BSRB 501</i>	Post Test Rebekah Israel
10:30 AM – 11:30 AM <i>BSRB 501</i>	Jump Start: Internship 1 Anthony Gutierrez
11:30 AM – 12:00 PM <i>BSRB 501</i>	Wrap Up BAI & UCLA
12:00 PM – 2:00 PM	Lunch
2:00 PM – 4:00 PM <i>BSRB 501</i>	Fellowship Activity Denishia Clark

Contact Information

Black AIDS Institute:

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Sasha Herbst de Cortina: (818) 297-9402

Non-UCLA Presenters:

Make sure to give the presenter's directions and parking information if they're non UCLA Employees. Also, make sure to get the parking cost covered with a ticket from Ashley.

These presenters are:

Eric Daar (9/3) Mark Malek (9/4) Cathy Reback (9/8)

Nina Harawa (9/8) Katrina Kubick (9/9) Mario Perez (9/10)