



Harvard Medical School

Unmet Medical Needs and Translational Solutions: Global Curriculum HIV and TB in South Africa: unmet needs and potential solutions in 2015

Course Details and Information

Class Days: Monday, 15 June; Wednesday, 17 June – Friday, 19 June 2015

Free Day: Tuesday, 16 June – Youth Day in South Africa

Meeting Space: HIV Pathogenesis Programme (located in the Doris Duke Medical Research Institute (DDMRI) at the University of KwaZulu-Natal's Nelson R. Mandela School of Medicine Campus)

Course Director: Jagesh Shah, Ph.D. (Jagesh@hms.harvard.edu)

Co-Director of Global Component: Filippas Porichis, Ph.D. (fporichis@mgh.harvard.edu)

Sunday 14 June: *Arrival in Durban, South Africa* – Check in at *Chelsea Villas*
136 Brand Rd, Glenwood, Durban

Monday 15 June: *iTeach and Edendale Hospital*

8.00: Depart Chelsea Villas for Pietermaritzburg

9.00: Arrive at Edendale Hospital, Pietermaritzburg

9.15 – 10.00: Dr Douglas Wilson (Head of Medicine, Edendale Hospital)

"The reality of clinical research in South Africa"

10.00 – 12.00: Dr. Krista Dong (Director, ITEACH (Integration of TB in Education and Care for HIV/AIDS))

"Building service into your science; designing for impact"

Followed by tour of Edendale Hospital

12.00 – 16.00: Visit to a Traditional Healer (lunch provided)

16.00: Depart for Durban

Tuesday 16 June: *PheZulu Safari Park*

9.00: Depart Chelsea Villas for PheZulu Safari Park (Botha's Hill)

Zulu Dancing Show – 30 mins (shows at 10h00, 11h30, 14h00 & 15h30)

Village Tour (20 mins)

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| | <i>Crocodile and Snake Park Tour (hourly tours)</i> |
| | <i>Game Drive - 1hr (every hour from 9am – 4 pm)</i> |
| 14.00: | Depart PheZulu Safari Park for Chelsea Villas |
| 14.45: | Arrive at Chelsea Villas |
| 15.15: | Depart Chelsea Villas for Moses Mabhida Stadium |
| 15.45: | Arrive at Moses Mabhida Stadium |
| | <i>Walk along beachfront to uShaka Marine World</i> |
| 18.00: | Dinner at <i>The Cargo Hold</i> , uShaka |
| 20.30: | Depart uShaka for Chelsea Villas |
| Wednesday 17 June: <i>Caprisa eThekwini Clinical Research Site</i> | |
| 8.30: | Depart Chelsea Villas for Caprisa eThekwini Clinical Research Site |
| 8.50: | Arrive at Caprisa eThekwini Clinical Research Site |
| 9.00 – 11.00: | Tour of the Treatment clinic and Prince Cyril Zulu TB Clinic <i>(Dr Kogie Naidoo, Head: Treatment, and Dr Rochelle Adams: Research Clinician)</i> |
| 11.05 – 11.50: | Tour of the Prevention Clinic <i>(Dr Kathy Mngadi: Project Director HVTN 100, and Dr Lulu Nair: Project Director MTN Studies)</i> |
| 12.00 – 13.00: | Questions and Answers facilitated by Dr Kogie Naidoo <i>Finger Lunch</i> |
| 13.05: | Depart Caprisa eThekwini Clinical Research Site for Hillcrest Private Hospital |
| 14.00 – 15.55: | Arrive at Hillcrest Private Hospital |
| 16.00: | Depart Hillcrest Private Hospital |
| Thursday 18 June: <i>UKZN Department of Infectious Diseases and FRESH</i> | |
| 8.30: | Depart Chelsea Villas for King Edward VIII Hospital |
| 9.00 – 12.00pm: | Department of Infectious Diseases <i>Presentations and ward round</i> |
| 12.00: | Depart for FRESH research site, Umlazi |
| 12.30: | Arrive at FRESH research site |
| 12.35: | Finger lunch at FRESH |
| 13.00: | Krista Dong (Investigator, FRESH Study) and Amber Moodley (Program Manager, FRESH Study) <i>“The FRESH Study; Combining basic science with poverty alleviation”</i> <i>Interaction with FRESH participants</i> |
| 15.00pm: | Depart FRESH for Chelsea Villas |

Friday 19 June: *Seminar Day*

Location: Susser and Stein Seminar Room - Nelson R. Mandela School of Medicine

8.30: Depart Chelsea Villas for Nelson R. Mandela School of Medicine

9.00: Arrive Nelson R. Mandela School of Medicine

9.15 - 9.25: Dr Filippas Porichis (*Instructor in Medicine, Harvard Medical School, and Assistant in Immunology at Massachusetts General Hospital*)

Welcome

9.30 - 10.00: Prof Thumbi Ndung'u (*Director, HIV Pathogenesis Programme, University of KwaZulu-Natal; Investigator and Max Planck Institute for Infection Biology Research Group Leader at the KwaZulu-Natal Research Institute for Tuberculosis and HIV; Professor in HIV/AIDS Research; DST/NRF Chair in Systems Biology of HIV/AIDS; Howard Hughes Medical Institute International Early Career Scientist*)

"Understanding antiviral immune responses and building capacity for biomedical research: The HIV Pathogenesis Programme experience"

10.05 – 10.35: Dr Zaza Ndhlovu (*Visiting Research Scientist at HIV Pathogenesis Programme, University of KwaZulu-Natal, and Instructor in Medicine, Harvard Medical School at the Ragon Institute of MGH, MIT and Harvard*)

"Immune responses during acute HIV infection provide clues for HIV vaccine development"

10.35 – 11.00 Tea in KRITH atrium

11.05 – 11.35: Dr Emily Wong (*Instructor in Medicine, Harvard Medical School, and Research Associate, KwaZulu-Natal Research Institute for Tuberculosis and HIV*)

"Studying HIV/TB Co-infection at the site of disease: from post-mortems to MAIT cells"

11.40 – 12.10: Dr Christina Thobakgale (*Faculty at HIV Pathogenesis Programme, University of KwaZulu-Natal; and Senior Lecturer at University of KwaZulu-Natal*)

"Overview of Innate & Adaptive Mechanisms of control during HIV-1 Infection"

12.15 – 12.45: Dr Jaclyn Mann (*Faculty at HIV Pathogenesis Programme, University of KwaZulu-Natal; and Senior Lecturer at University of KwaZulu-Natal*)

"Validation of the predicted HIV-1 Gag fitness landscape"

12.45 – 14.30: Lunch in K-RITH atrium

Q and A session (with panel of above speakers)

14.30 – 15.30: Tour of K-RITH and HPP by Prof. Ndung'u

15.30: Depart for Chelsea Villas