The NIH NIAMS funded UCLA Immunobiology of Leprosy Center of Research Translation (CORT) is to foster and engage synergistic multidisciplinary translational research to gain insight into the immunoregulatory pathways for the development of diagnostic, prevention and treatment strategies for leprosy as well as other cutaneous and infectious diseases.

08:00 a.m.  Continental breakfast and Poster Session
08:20 a.m.  Introduction/Overview
Robert L. Modlin, M.D.

08:30 a.m.  Project 1 – Differential Induction and Antimicrobial Function of Interferons in Leprosy
“Identifying TLR and IFN-γ inducible antimicrobial responses against mycobacteria in human macrophages”
Susan Realegeno, Graduate Student Researcher (Modlin Lab)

08:50 a.m.  Project 1 – Differential Induction and Antimicrobial Function of Interferons in Leprosy
“Vitamin D-dependent antimicrobial response against *M. leprae* in Langerhans cells”
Angeline Tilly Dang, Graduate Student Researcher (Modlin Lab)

09:10 a.m.  Project 4 - Vitamin D Metabolism in Leprosy
“Effects of *Mycobacterium leprae* infection on vitamin D metabolism”
Kathryn Zavala, Graduate Student Researcher (Adams Lab)

09:30 a.m.  Break

09:45 a.m.  Bioinformatics Core (Core B)
“Dual RNAseq of the human and mycobacterial transcriptomes of leprosy skin lesions and the skin disease and perturbation database”
Dennis Montoya, Ph.D., Asst. Project Scientist (Pellegrini Lab)

10:05 a.m.  Project 2 – Interferon Inducible Gene Programs in Leprosy
“Gene expression profiles of different types of T helper cells”
Aiping Wu, Ph.D. Visiting Associate Professor (Cheng Lab)

10:25 a.m.  Project 3 – Transcriptional Networks in the Immune Response to Leprosy
“Gene signatures of *Mycobacterium leprae* infected macrophages”
Philip Scumpia, M.D., Ph.D., Clinical Instructor (Smale Lab)

10:45 a.m.  Poster Session / Refreshments

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