THURSDAY, JULY 28 – METROPOLITAN BALLROOM		
7:00–8:30 a.m.	CONTINENTAL BREAKFAST - available in Metropolitan Foyer (Please be in line no later than 8:15 a.m.)	
8:00 a.m.	REGISTRATION – Metropolitan Foyer	
8:30 a.m.	OPENING REMARKS: Steven Reed, US Tuberculosis and Leprosy Panel David McMurray, Chair, US Tuberculosis and Leprosy Panel	
SESSION 1 Co-chairs: Ste	even Reed, Yukio Koide	
8:40 a.m.	Human T cell driven identification of CD8+ antigens in Mtb David M Lewinsohn	
9:00 a.m.	Antigen-specific CD8+ T cell and protective immunity to tuberculosis Samuel Behar	
9:20 a.m.	Differential activation of gamma-9 delta-2 T cells by live BCG and isopentenyl pyrophosphate: relevance for TB protective immunity Charles Spencer	
9:40 a.m.	IL-1 at the early stage of monocyte differentiation to dendritic cells impairs functional activities of dendritic cells Masahiko Makino	
10:00 a.m.	BREAK – Coffee/Tea/Water available in Metropolitan Foyer	
10:20 a.m.	Foxp3-expressing T regulatory cells accumulate in the lungs after aerosol infection and suppress immunity to <i>Mycobacterium tuberculosis</i> Kevin Urdahl	
10:40 a.m.	Protection against <i>Mycobacterium bovis</i> Bacille Calmette-Guérin infection in IL-15 deficient mice Yasunobu Yoshikai	
11:00 a.m.	Candidate selection for TB vaccine development Steven Reed	
11:20 a.m.	The vaccine potential of <i>M. tuberculosis</i> promiscuous peptides Homayoun Shams	
11:40 p.m.	Novel vaccination (HVJ-liposome / HSP65 DNA+ IL-12 DNA and recombinant 72f BCG) against tuberculosis using cynomolgus monkey Masaji Okada	

THURSDAY, JULY 28 – METROPOLITAN BALLROOM		
12:00-1:30 p	b.m. LUNCH / POSTER SESSION 1 – METROPOLITAN BALLROOM Box lunches and drinks will be available for pickup in the foyer – you may eat in the ballroom, foyer or outside. All posters are in the ballroom.	
SESSION 2 Co-chairs:	David McMurray, Yasunobu Yoshikai	
1:30 p.m.	Immunization with a Sindbis virus based DNA vaccine expressing antigen 85B induces protective immunity against <i>M. tuberculosis</i> that is dependent on acquired and innate immune mechanisms Sheldon Morris	
1:50 p.m.	Intratracheal administration of third-generation lentivirus vectors encoding MPT51 and hsp65 from <i>M. tuberculosis</i> induce specific T cell responses in the lung Yukio Koide	
2:10 p.m.	Memory T lymphocytes generated by BCG vaccination reside within a subset of CD44 ^{lo} CD62L ^{hi} population Andre Kipnis	
2:30 p.m.	DNA augments antigenicity of mycobacterial DNA-binding protein 1 and confers protection against <i>Mycobacterium tuberculosis</i> infection in mice Sohkichi Matsumoto	
2:50 p.m.	BREAK – Coffee/Tea/Cold drinks available in Metropolitan Foyer	
3:10 p.m.	Genetic analysis of host immunity to experimental infection with virulent <i>Mycobacterium tuberculosis</i> : identification of the <i>lpr1</i> gene within the sst1 locus and immunological analysis of its function in controlling innate immunity Igor Kramnik	
3:30 p.m.	Identification of mycobacterial genes that affect interactions with macrophages Jeffrey D. Cirillo	
3:50 p.m.	Toll-like receptor-dependent innate immune responses in mycobacterial infection Kiyoshi Takeda	
4:10 p.m.	A polymorphism in human Toll-like Receptor 1 encodes a variant that impairs tuberculosis signaling Thomas Hawn	
5:30 p.m.	DINNER CRUISE: Please gather on Union Street outside the hotel by 5:30 Voucher included in registration packets for those who signed up and will be required to exchange for ticket upon boarding bus. It is suggested that you wear comfortable shoes for boarding bus/boat/beach walking and bring a light jacket or sweater for return trip. Expected return to hotel will be approximately 11:00 p.m.	

FRIDAY, JULY 29 – METROPOLITAN BALLROOM 7:00-8:00 a.m. **CONTINENTAL BREAKFAST - available in Metropolitan Foyer** (Please be in line no later than 7:45 a.m.) **SESSION 3** Co-chairs: Linda Adams, Isamu Sugawara Dendritic cell maturation is suppressed by Mycobacterium leprae 8:00 a.m. Gilla Kaplan 8:20 a.m. Genes in the Mycobacterium tuberculosis hspX operon may be associated with hypervirulence and immune modulation Frederick D. Quinn 8:40 a.m. Polymorphism of the 5' flanking region of the IL-12 receptor β 2 gene partially determines the clinical types of leprosy through impaired transcriptional activity Hideki Ohyama 9:00 a.m. Pulmonary Mycobacterium avium complex infection: association with NRAMP1 gene polymorphism Naoto Keicho 9:20 a.m. BREAK – Coffee/Tea/Water available in Metropolitan Foyer 9:40 a.m. TNF and tuberculosis: role in granuloma formation and maintenance P. Ling Lin 10:00 a.m. Inhibition of TNF or LT-alpha impairs control of Mycobacterium leprae growth in mouse foot pads and is accompanied by dysregulated granuloma formation Linda Adams 10:20 a.m. Nerve damage in a mouse model of Mycobacterium ulcerans infection Masamichi Goto 10:40 a.m. Advances in molecular epidemiology of leprosy Varalakshmi Vissa LUNCH: ON YOUR OWN – there are numerous restaurants in the hotel and 11:00 a.m. -12:30 p.m. within a few blocks walking distance SESSION 4:

Co-chairs: Mark Perkins, Hatsumi Taniguchi

12:30 p.m. What is needed to improve diagnostics for TB and leprosy Mark Perkins

FRIDAY, JULY 29 – METROPOLITAN BALLROOM

12:40 p.m.	Genotyping of <i>Mycobacterium leprae</i> by variable number tandem repeats and its application for molecular epidemiology Masanori Matsuoka	
1:00 p.m.	Rapid detection of <i>Mycobacterium tuberculosis</i> complex from sputum samples using novel Loop-Mediated Isothermal Amplification Tetsu Hase	
1:20 p.m.	Identification of specific proteins and peptides in <i>Mycobacterium leprae</i> suitable for the selective diagnosis of leprosy John S. Spencer	
1:40 p.m.	Antibody responses to MS, MPT51 and PPE-C discriminate between latent and incipient sub-clinical TB Suman Laal	
2:00 p.m.	The tuberculin mystery: definition of the molecular composition of PPD Karen Dobos	
2:20 p.m.	Isothermal amplification of genomic DNA from the obligate intracellular pathogen <i>Mycobacterium leprae</i> Richard Slayden	
2:40 p.m.	BREAK – Coffee/Tea/Cold drinks available in Metropolitan Foyer	
SESSION 5 Co-chairs: Patrick Brennan, Masahiko Makino		
3:00 p.m.	The alternative sigma factor SigE and stress responses in <i>Mycobacterium leprae</i> Diana Williams	
3:20 p.m.	Lepra reactions after multidrug therapy for multibacillary (MB) leprosy Ma. Victoria Balagon	
3:40 p.m.	The role of anoxia in tuberculosis pathogenesis and chemotherapy Helena Boshoff	
4:00 p.m.	Relative fitness of drug-resistant <i>Mycobacterium tuberculosis</i> Sebastien Gagneux	
4:30-6:30 p.m.	POSTER SESSION 2 – METROPOLITAN BALLROOM	

6:30 p.m. DINNER: ON YOUR OWN

	SATURDAY, JULY 30 – METROPOLITAN BALLROOM
7:00-8:30 a.m.	"MEET THE MYCOBACTERIAL EXPERTS" BREAKFAST – Metropolitan Ballroom Voucher included in registration packets for those who signed up – please bring for entrance
	Coffee and tea will be available in the Metropolitan Foyer from 8:00 – 8:30 for those who are not attending the breakfast
SESSION 6 Co-chairs: Tom	Gillis, Masamichi Goto
8:30 a.m.	Gaps in our understanding of the disease of leprosy Warwick Britton
9:00 a.m.	Nerve function impairment studies in leprosy Diana Lockwood
9:30 a.m.	Toll-like receptors and innate immunity in leprosy Stephan Krutzik
10:00 a.m.	BREAK – Coffee/Tea/Water available in Metropolitan Foyer
10:15 a.m.	The armadillo model: A full spectrum host Richard Truman
10:45 a.m.	The mouse model in leprosy Linda Adams
11:15 a.m.	Interactions of <i>M. leprae</i> and Schwann cell and subsequent nerve damage Cristina Pessolani
11:45 a.m.	Discussion

12:15-1:30 p.m. LUNCH Box lunches and drinks will be served in Grand Ballroom A on the 2nd Floor

Note: Session 7 of the US-Japan meeting and continuation of the leprosy workshop will be held in parallel starting at 1:30 p.m. Attendance at the leprosy workshop afternoon session is limited to those directly involved. The leprosy workshop will take place in the Cedar Conference room on the 3rd floor

SATURDAY, JULY 30 - METROPOLITAN BALLROOM

SESSION 7 – METROPOLITAN BALLROOM Co-chairs: David McMurray, Masao Mitsuyama

- 1:30 p.m. Immunopathology of rat tuberculosis Isamu Sugawara
- 1:50 p.m. Rocket science: *Mycobacterium marinum* phagosome escape and actin polymerization **Eric Brown**
- 2:10 p.m. Caspase-dependent inhibition of macrophage necrosis: A possible mechanism for intracellular survival of *Mycobacterium tuberculosis* **Ikuo Kawamura**
- 2:30 p.m. *Mycobacterium tuberculosis* cell wall mannosylated lipoglycans: elucidation of structural motifs that impact human macrophage recognition and response Larry S. Schlesinger
- 2:50 p.m. A eukaryotic-like protein glycosylation system exists in *Mycobacterium tuberculosis* John Belisle
- 3:10 p.m. NIH pre-clinical screening program for tuberculosis vaccines: A comparison of selected BCG sub-strains may provide an understanding of the expression of immunity required by novel vaccine candidates. Angelo Izzo
- 3:30 p.m. *Mycobacterium tuberculosis* induces a novel mechanism of macrophage apoptosis at high multiplicities of infection **Hardy Kornfeld**
- 3:50 p.m. LATE BREAKING: To Be Announced
- 4:00pm CLOSING REMARKS: Masao Mitsuyama, Chair, Japan Tuberculosis and Leprosy Panel