Wednesday, January 7th

08:00 Welcome
Shigeyuki Kano, Organizer of the 43rd U.S.-Japan Joint Conference on Parasitic Diseases

Opening remarks
Kenji Hirayama, Japanese Panel Chair
Daniel Colley, US Panel member

08:10 (SL-01) “Review and progress of the U.S.-Japan Panel Activities 2007-2008”, and “Translational Research for Parasitic Diseases”
Malla Rao, Parasitology and International Programs Branch, DMID/NIAID/NIH

Session I (Chair: Kenji Hirayama)

08:30 (W-01) Analysis of protective immunity induced by gamma-irradiated cercaria immunization with Schistosoma japonicum infection in miniature pigs
Kanji Watanabe, Nagasaki University, Japan

08:42 (W-02) Characterization of systemic RNAi deficiency-1 from S. japonicum
Takashi Kumagai, Tokyo Medical & Dental University Graduate School

08:54 (W-03) Surveys on newly found schistosomiasis japonica endemic foci in the Philippines with comparison of that in Sorsogon Province
Yuichi Chigusa, Dokkyo Medical University, Japan

09:06 (W-04) The predominant role of neutrophils on the formation of granulomatous lesions in schistosomiasis mekongi
Makoto Owhashi, The University of Tokushima, Japan

09:18 (W-05) Recent progress and next step of schistosomiasis control programs in Southeast Asia
Hiroshi Ohmae, National Institute of Infectious Diseases, Japan

09:30 (W-06) Gene order in mitochondrial genome in Orientobilharzia turkestanicum, Schistosoma incognitum, and S. bovis
Takeshi Agatsuma, Kochi University, Japan

09:42 (SL-02) CD19+/CD23+ B cells in adults and children upon multiple treatments and reinfections
Daniel G Colley, University of Georgia, U.S.A.

10:00 Break
Session II  (Chair: Tomo Nozaki)

10:15  (SL-03) EhRabA, a unique Rab GTPase of Entamoeba histolytica, directly or indirectly regulates phagocytosis and endoplasmic reticulum morphology
Lesly A. Temesvari, Clemson University, U.S.A.

10:30  (SL-04) Collectin- and calreticulin-dependent phagocytosis of apoptotic cells by Entamoeba histolytica
Christopher D. Huston, University of Vermont College of Medicine, U.S.A.

10:45  (SL-05) Human Susceptibility to Amebiasis is Associated with a Polymorphism in the Leptin Receptor
William A. Petri, Jr., The University of Virginia, U.S.A.

11:00  (W-07) Evaluation of Two Prototype Immunoassays for the Detection of Entamoeba histolytica, Giardia lamblia, and Cryptosporidium spp.
Sarah Buss, University of Virginia, U.S.A.

11:15  (SL-06) Seroprevalence of Entamoeba histolytica infection in China
Xunjia Cheng, Fudan University School of Medicine, China

11:30  (SL-07) B1 family of trans-membrane Kinases of Entamoeba histolytica: Basic characterization and expression analysis
Alok Bhattacharya, Jawaharlal Nehru University, India

11:45  (SL-08) Signaling role of NOX1 and NOX2 in ROS-dependent cell death of human colon cells triggered by Entamoeba histolytica
Myeong Heon Shin, Yonsei University College of Medicine, Korea

12:00  (W-08) Genetic control of resistance to intestinal amebiasis in inbred mice
Shinjiro Hamano, Kyushu University, Japan

12:12  Lunch (complimentary lunch boxes available)

Session III  (Chair: Taka Tsuboi)

13:00  (W-09) How has Giardia intestinalis maintained its complex intraspecific diversity?
Masaharu Tokoro, Kanazawa University, Japan

13:12  (SL-10) Malaria Epidemics in Western Kenya Highlands: Mechanisms and Translational Research
Guiyun Yan, University of California, U.S.A.

13:30  (SL-10) Update on field evaluation of LAMP for malaria diagnosis in Thailand
Jetsumon Sattabongkot, Armed Forces Research Institute of Medical Sciences, Thailand

13:45  (SL-11) Metabolism of CYP450 Markers of Enzymatic Activity and Primaquine by the Induced HC-04 Immortalized Hepatic Cell Line
Ratawan Ubalee, Armed Forces Research Institute of Medical Sciences, Thailand
14:00 (W-10) Inhibition of the malaria-specific CD8+ T-cell memory responses during infection with *Plasmodium berghei*
Katsuyuki Yui, Nagasaki University, Japan

14:12 (W-11) Depletion of CD4+CD25+FOXP3+ regulatory T cells down-regulates parasite clearance during early phase of *Plasmodium chabaudi* AS infection in A/J mice
Haruhiko Maruyama, University of Miyazaki, Japan

14:24 (W-12) *In vitro and In vivo* Antimalarial activity of T-2307, a Novel Arylamidine
Akiko Kimura, TOYAMA CHEMICAL Co. Ltd., Japan

14:36 (W-13) Efficacy of 5-fluoroorotate in combination with commonly used antimalarial drugs in a mouse model
Akira Ishih, Hamamatsu University School of Medicine, Japan

14:48 (W-14) Evaluation of the transmission-blocking effect of azithromycin against *Plasmodium berghei*
Meiji Arai, University of Occupational and Environmental Health, Japan

15:00 (W-15) New Antimalarial Drug Development Research
Hye-Sook Kim, Okayama University, Japan

15:12 (W-16) The spreading of antifolate resistant malaria parasites
Toshihiro Mita, Tokyo Women’s Medical University, Japan

15:24 (W-17) Phylogenetic analyses of mitochondrial DNA sequences of *Plasmodium vivax* and its application to clinical epidemiology of malaria
Moritoshi Iwagami, International Medical Center of Japan, Japan

15:36 (W-18) Regulatory mechanisms of stage specific gene expression in *Plasmodium falciparum* erythrocytic stage
Kanako Komaki-Yasuda, International Medical Center of Japan, Japan

15:48 (W-19) Disruption of 2-Cys peroxiredoxin TPx-1 gene in *Plasmodium berghei* hinders the sporozoite development
Shin-ichiro Kawazu, Obihiro University of Agriculture and Veterinary Medicine, Japan

16:00 Break

**Session IV** (Chair: Shigeyuki Kano)

16:18 (W-20) Liver type fatty acid-binding protein (L-FABP) as a novel biomarker for malaria infection
Chizu Sanjoba, The University of Tokyo, Japan

16:30 (W-21) Erythrocyte-Binding-Like molecule and Virulence of *Plasmodium yoelii*
Hitoshi Otsuki, Ehime University, Japan
16:42 (W-22) Plasmodium vivax subtelomeric transmembrane protein 1 (PvSTP1), a homolog of P. falciparum SURFIN, is highly polymorphic
Xiaotong Zhu, China Medical University, China

16:54 (W-23) Modulation of phosphorylation of human erythrocyte cytoskeleton protein 4.1R by Plasmodium falciparum FIKK kinase exported into the erythrocyte membrane
Mami Okada, Pasteur Institute, France (Currently: International Medical Center of Japan)

17:06 (W-24) CXCL16/SR-PSOX, membrane-bound form chemokine/a member of scavenger receptor, acts as a receptor of both the cytoadherence and erythropagocytosis in severe malaria
Toshimitsu Hatabu, Gunma University, Japan

17:18 (W-25) Novel antigens at Plasmodium falciparum schizont-merozoite stages as potential vaccine candidates
Satoru Takeo, Ehime University, Japan

17:30 (SL-12) Social capital for enhancing community-based malaria prevention and control in the Philippines
Ofelia P. Saniel, University of the Philippines Manila, the Philippines

17:45 (SL-13) Global Warming and Change in Malaria Distribution in Palawan, the Philippines
Pilarita T. Rivera, University of the Philippines Manila, the Philippines

18:00 (W-26) Production of a transgenic mosquito, as a flying syringe, to deliver protective vaccine via saliva.
Hiroyuki Matsuoka, Jichi Medical University, Japan

18:12 (W-27) Current distribution and molecular identification of anopheline mosquitoes in Japan
Kyoko Sawabe, National Institute of Infectious Diseases, Japan

18:24 (W-28) The tick legumains are involved in blood digestion and modulation of tick midgut cellular remodeling and embryogenesis
M. Abdul Alim, National Agriculture and Food Research Organization, Japan

18:36 Adjournment

19:00 Meeting reception (All the participants are invited)
– Restaurant & Cafe “bien” (located at B1 floor of this building)
Thursday, January 8th

Session V  (Chair: Dan Colley)

08:30  (T-01) Pathogenesis of post kala-azar dermal leishmaniasis
Masahito Asada, The University of Tokyo, Japan

08:42  (T-02) Zoonotic Leishmania parasites of great gerbils, Rhombomys opimus in Mongolia
Sambuu Gantuya, The University of Tokyo, Japan

08:54  (T-03) T-cells from BALB/c mice immunized intranasally or subcutaneously with Leishmanial antigen, Leish-111f, showed different epitope recognition patterns
Yasunobu Matsumoto, The University of Tokyo, Japan

09:06  (T-04) Effectiveness of neem oil spray to control visceral leishmaniasis in Bangladesh
Yukiko Wagatsuma, University of Tsukuba, Japan

09:18  (T-05) Interaction between cFLIP, and Itch, a ubiquitin ligase, is obstructed in Trypanosoma cruzi-infected human cells
Eri Murata, Juntendo University, Japan

09:30  (T-06) Biological significance of heterodimeric form of Trypanosoma brucei 14-3-3I and II
Masahiro Inoue, Kurume University, Japan

09:42  (T-07) The glycosome-like organelle in diplomemids, the sister group of kinetoplastids
Takashi Makiuchi, Juntendo University, Japan

09:54  (T-08) Molecular epidemiology and chemotherapeutic study of haematoprotozoan diseases
Ken Katakura, Hokkaido University, Japan

10:06  Break

Session VI  (Chair: Bill Petri)

10:30  (T-09) Six-year follow-up study of the effect of 5 rounds of mass drug administration on filaria-specific IgG4 titers in urine as determined by ELISA in Sri Lanka
Eisaku Kimura, Aichi Medical University, Japan

10:42  (T-10) Determination of the guanidine kinase systems of the Ascaris suum and Toxocara canis (Ascaridida: nematoda) of human and animal health significance and it’s application for serodiagnosis of VLM
Susiji Wickramasinghe, Kochi Medical School, Japan

10:54  (T-11) Phosphagen kinases of platyhelminths: Cloning, expression, and determination of kinetic parameters
B. R. Jarilla, Kochi Medical School, Japan
11:06 (T-12) Development of a loop-mediated isothermal amplification method for differential detection of *Taenia* species
Agathe Nkouawa, Institute of Medical Research and Study of Medicinal Plants (IMPM), Cameroon (Currently: Asahikawa Medical College, Japan)

11:18 (T-13) Interest and limits of the tandem repeated multilocus microsatellite EmsB to track *Echinococcus multilocularis* in fox faeces in a highly endemic area
Jenny Knapp, University of Franche-Comté, Besançon, France (Currently: Asahikawa Medical College, Japan)

11:30 (T-14) Topics on cestode zoonosis, *Echinococcus* and echinococcosis
Akira Ito, Asahikawa Medical College, Japan

11:42 (T-15) Ancestral hybridization between *Taenia saginata* and Asian *Taenia*
Munehiro Okamoto, Tottori University, Japan

11:54 (SL-14) Topic to be announced
Feng Cheng, Chinese Center for Disease Control and Prevention, China

12:10 Conclusion of U.S.-Japan Conference on Parasitic Diseases
Meeting adjournment (followed by no host lunch)

12:20 Panel lunch meeting
– Lecture Hall C (B1 floor) at Research Institute (located adjacent to this building)
Thursday, January 8th

13:00 Opening remarks
Tomoyoshi Nozaki, Organizer of E. histolytica Meeting

(A-01) B1 family of trans-membrane Kinases of Entamoeba histolytica: Basic characterization and expression analysis
Alok Bhattacharya, Jawaharlal Nehru University, India

(A-02) Biochemical Analysis of Entamoeba histolytica Transmembrane Kinase 39
Sarah Buss, University of Virginia, U.S.A.

(A-03) Seroprevalence of Entamoeba histolytica infection in China
Xunjia Cheng, Fudan University School of Medicine, China

(A-04) Functional Analysis of Cysteine Protease Receptor in Entamoba Histolytica
Atsushi Furukawa, Gunma University & NIID, Japan

(A-05) Collectin- and calreticulin-dependent phagocytosis of apoptotic cells by Entamoeba histolytica
Christopher D. Huston, University of Vermont College of Medicine, U.S.A.

(A-06) Difficulties in the treatment of mass-infection of Entamoeba histolytica in an institution
Seiki Kobayashi, Keio University, Japan

(A-07) The mitochondria-related organelle in the anaerobic parasitic protozoan Entamoeba histolytica
Fumika Mi-ichi, National Institute of Infectious Diseases, Japan

(A-08) A FYVE and RhoGEF domain-containing protein involved in phagocytosis of a mammalian cell by Entamoeba histolytica
Kumiko Nakada-Tsukui, National Institute of Infectious Diseases, Japan

(A-09) Molecular identification of Entamoeba spp. in cynomolgus monkeys and humans
Kentaro Nakamoto, Kanazawa University, Japan

(A-10) Calcium-regulated Gene Expression in Entamoeba histolytica
William A. Petri Jr., University of Virginia, U.S.A.

(A-11) Role of Arf GTPase in pathogenesis and lysosomal formation in Entamoeba histolytica
Yumiko Saito-Nakano, National Institute of Infectious Diseases, Japan

(A-12) Signaling role of NOX1 and NOX2 in ROS-dependent cell death of human colon cells triggered by Entamoeba histolytica
Myeong Heon Shin, Yonsei University College of Medicine, Korea

(A-13) Phosphatidylinositol (3,4,5)-trisphosphate accumulates in pseudopodia of erythrophagosomes in Entamoeba histolytica
Lesly A. Temesvari, Clemson University, U.S.A.