CURRICULUM VITAE

KAMI KIM, M.D.

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Degrees and Training:

1976-1980	A.B.	Harvard University, Cambridge, MA
1980-1984	M.D.	Columbia College of Physicians & Surgeons, New York, NY
1984-1987		Intern and Resident, Medical Service, Columbia-Presbyterian Medical Center, New York, NY
1987-1988		Clinical Fellow, Division of Infectious Diseases, University of California, San Francisco.
1988-1990		Postdoctoral Fellow, Parasitology Laboratory, James Leech, M.D. and Richard Nelson, PhD., San Francisco General Hospital, UCSF.
1990-1994		Postdoctoral Fellow, Dept. Microbiology. & Immunology John Boothroyd, Ph.D., Stanford University, Stanford, CA.

Positions Held:

1988-1994	Attending Physician, San Francisco County Tuberculosis Clinic, San Francisco, CA.
1988-1994	Attending Physician, San Francisco General Hospital, University of California,San Francisco, CA.
1995-2002	Assistant Professor of Medicine and of Microbiology & Immunology, Albert Einstein College of Medicine, Bronx, NY.
2002-2007	Associate Professor of Medicine and of Microbiology & Immunology, Albert Einstein College of Medicine, Bronx, NY.
1997-present	Attending Physician, Bronx Municipal Medical Center, Bronx, NY Attending Physician, Montefiore Medical Medical Center, Bronx, NY
2007-present	Professor of Medicine and of Microbiology & Immunology, Albert Einstein College of Medicine, Bronx, NY.
2009-present	Professor of Medicine and of Microbiology & Immunology with tenure, Albert Einstein College of Medicine, Bronx, NY.

Honors and Awards:

Magna Cum Laude - Harvard University 1980.
Bank of America-Giannini Foundation Fellowship for Medical Research 1988-89
National Research Service Award (NIH-NIAID) 1989-1992.
University of California University-wide AIDS Research Program Fellowship 1992-93
Clinical Investigator Award (K08; NIAID) 1993-96
NIH First Award (R29; NIAID) 1997-20002

NIH Independent Scientist Award (K02; NIAID) 1998-2003
Burroughs Wellcome New Investigator Award in Molecular Parasitology 1998-2001
Burroughs Wellcome New Initiatives in Malaria Research 2001-2003
American Society for Clinical Investigation 2004
Fellow, Infectious Diseases Society of America 2006

Patents:

Transfection and genetic manipulations in obligate intracellular parasites. Inventors: Kami Kim, Dominique Soldati and John C. Boothroyd. 1993.

Analogues of Coformycin and their use for treating protozoan parasite infections. Inventors: Richard Furneaux, Peter Tyler, Gary Evans, Kami Kim, Vern Schramm. Provisional 2006

Certification:

National Board of Medical Examiners 1985.
American Board of Internal Medicine 1987.
Subspecialty Boards-Infectious Diseases 1990; recertified 2000.

Professional Societies:

Member: American Society for Microbiology; American Society for Tropical Medicine and Hygiene, American Society for Clinical Investigation; Infectious Diseases Society of America
American Society of Microbiology: Alternate Councilor, Division AA 2006-08; Councilor, Division AA 2008-10; Division AA chair-elect 2008-09; Division AA chair 2009-10; Division AA past chair 2010-11
American Society for Tropical Medicine and Hygiene; American Committee on Molecular, Cellular and Immunoparasitology Executive Council liason to Molecular Parasitology Meeting 2007

Other Professional Activities:

<u>Peer review study sections:</u>

Standing research review panels:
Military Infectious Diseases Research Program (MIDRP) malaria drug development study section 2002-present
NIH-NIAID AOIC study section July 2007-June 2011
Ad hoc reviewer:
NIH NIAID SBIR study section 3/97
NIH NIAID MIDRC study section 3/00; 6/00; 10/00; 3/01, 6/01, 2/02.
NIH NIAID AIDSRRC study section 11/00, 6/02, 3/04
NIH AITRC study section 2/01; 2/02
NIH AOIC study section 3/06; 3/07
NIH NIAID special emphasis panels 11/01, 8/02, 11/02, 12/02, 12/03, 2/04, 3/05
USDA 4/02.
NIH Loan Repayment Program special emphasis panel 5/02; 5/03, 5/04.
Gates Grand Challenge 8/04
March of Dimes 12/06
Wellcome Trust 12/08

Journals:
Ad hoc reviewer for:
AIDS, American Journal of Pathology, Antimicrobial Agents and Chemotherapy, Archives in Ophthamology, BMC Genomics, BMC Microbiology, Cellular Microbiology, Clinical Infectious Diseases, Eukaryotic Cell, Experimental Parasitology, Infection and Immunity, International Journal for Parasitology, Journal of Biological Chemistry, Journal of Cell Biology, Journal of Cell Science, Journal of Experimental Medicine, Journal of Infectious Diseases, Journal of Molecular Biology, Journal of Parasitology, Microbes and Infection, Molecular and Biochemical Parasitology, Molecular Microbiology, Nature Methods, Nucleic Acids Research, PLoS Biology, PLoS Genetics, PLoS Pathogens, PNAS, Traffic, Trends in Cell Biology, Trends in Parasitology
Guest editor "Toxoplasmosis" thematic issue (with Louis Weiss); International Journal for Parasitology March 2004
Journal Editorial Boards
PLoS Pathogens: Parasitology Pathogenesis Co-Section Head April 2009-present
Guest Associate Editor, Fall 2006-Fall 2007; Associate Editor Fall 2007-2009;
Molecular and Biochemical Parasitology: March 2007-present
Book editor "*Toxoplasma gondii*, the Model Apicomplexan: Perspectives and Methods"; Academic Press, Louis M. Weiss and Kami Kim, editors. 2007.

Meetings Organized:
Co-organizer New York Area Apicomplexan Biology Meeting February 8, 2002
Organizer 7th International Congress on Toxoplasmosis (with Louis Weiss) May 23-27, 2003
Co-organizer Woods Hole Molecular Parasitology Meeting (with Noreen Williams and Artur Scherf), 2010-2012

Other Professional Activities:
Principal Investigator and Program Director, American Society for Microbiology sponsored community based minority summer undergraduate research program, Summer 2002, 2003, 2004
AMDeC Center on Bioterrorism Infectious Disease and Genetics Discussion Group, Albert Einstein College of Medicine representative. April 2002

Invited Talks 2000-present:

University of Pennsylvania Graduate Program in Parasitology, May 2001
Mount Sinai School of Medicine, May 2001
University of Connecticut, Farmington, April 2002
Tufts University School of Veterinary Medicine, April 2002
Gordon Research Conference, Hormonal And Neural Peptide Biosynthesis Conference, July 2002
Wadsworth Center, Albany, New York November 2002
Columbia College of Physicians and Surgeons, New York, NY, December 2002
Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, March 2003
New York University School of Medicine, New York, NY March 2003
Conference on New and Re-Emerging Infectious Diseases, University of Illinois, April 2003
American Society for Tropical Medicine and Hygiene Annual Meeting, December 2003
Tufts University School of Medicine, January 2005
New York University School of Medicine, New York, NY March 2005

State University of New York Stony Brook, Stony Brook, NY September 2005
4th International Meeting of the International Proteolysis Society, Quebec City, Quebec October 2005
New York Blood Center, New York, NY November 2005
New York Medical College, Valhalla, NY April 2006
Biology of Parasitism Course, Woods Hole, MA August 2006
Notre Dame University, Notre Dame, IN March 2007
Polyamines Gordon Conference, June 2007
International Workshop on Parasitology; Toxoplasma centennial commemorative session, Boston, MA May 2008
American Society for Microbiology Division F/AA Symposium, Boston, MA June 2008
Toxoplasma centennial congress: from discovery to public health management. Macae, Brazil September 2008
Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, November 2008
Seattle Biomedical Research Institute, Seattle, WA May 2009
Washington University, St. Louis, MO November 2009

Meeting Presentations/Session Chair 2000-present:

Woods Hole Meeting of Molecular Parasitology: Woods Hole, MA September 2000. "Apicomplexan Cell Biology" session chair and oral presentation.
International Toxoplasma Meeting: Freising, Germany. Session chair and oral presentation May 2001
Hormonal and Neural Peptide Biosynthesis Gordon Conference, invited short talk July 2002
Woods Hole Meeting of Molecular Parasitology: Woods Hole, MA September 2002. poster.
International Toxoplasma Meeting: Tarrytown, NY Meeting organizer and oral presentation May 2003
Proteolytic Enzymes and Their Inhibitors Gordon Conference, poster July 2004
Woods Hole Meeting of Molecular Parasitology: Woods Hole, MA September 2004. Session chair.
International Toxoplasma Meeting: Ajaccio, Corsica. Session chair May 2005
4th International Meeting of the International Proteolysis Society, Quebec City, Quebec invited talk October 2005
Northeast Biodefense Center 2006 Annual Meeting, October 2006 oral presentation and poster (representing the AECOM Biodefense Proteomics Center)
American Society for Tropical Medicine and Hygiene Meeting: ACMCIP molecular parasitology plenary session convener, Atlanta, GA, November 2006
American Society for Microbiology Division AA/F Session Convener May 2007 "Epigenetics"
Polyamines Gordon Conference, invited talk June 2007
National Regional Centers of Excellence Meeting (as part of Northeast RCE) Chicago, IL April 2008, Oral presentation and poster.
International Workshop on Parasitology; Toxoplasma centennial commemorative session invited talk, Boston, MA May 2008
American Society for Microbiology Division F/AA Symposium, Convener and speaker "Novel Animal Models for Study of Eukaryotic Pathogens" Boston, MA June 2008
Toxoplasma Centennial Congress: from discovery to public health management. Invited talk. Macae, Brazil September 2008
American Society for Microbiology Division AA Symposium, Session Convener Philadelphia, PA May 2009

Teaching:

Course Director, Graduate Microbial Pathogenesis (5 credits; Spring 2001, Spring 2003, Spring 2005; co-director Spring 2007) a combination of lectures, student-led journal clubs and outside speakers meeting 3 times weekly.
Organizer, Faculty-Student Microbial Pathogenesis Journal Club (Summer 2000)
Lecturer:
- Medical School Infectious Diseases Course (1/yr; atypical pneumonia), 2002-present
- Graduate Microbial Pathogenesis (2-3 lectures; topics including introduction to microbial pathogenesis, basic bacterial pathogenesis and bacterial genetics, antigenic variation, epigenetics, *Toxoplasma gondii,* malaria), biannual course 1997-present
- Medical House Staff Conference (1-2/yr; topics including toxoplasmosis, malaria, atypical pneumonia)
- AECOM/Montefiore Infectious Diseases Review Course (pulmonary infections), 2002-2004
- Infectious Diseases Fellows Lecture Series (1/yr; pneumonia)
- Parasitology & Global Medicine (Malaria lecture and 1 case discussion) 2007-present

Guided tutorial (4-6 individual sessions followed by oral examination, part of qualifying exam for Neurosciences graduate students: Will Schubert, Cathy Andorfer, Josie Snellman, Kenny Sossa)
Discussion Leader:
- Graduate Critical Readings (1-2 topics/yr), 2000-2007
- Responsible Conduct of Research (1-2 sessions/yr) 2003-2007
- Summer Undergraduate Research Program Summer 2002-04 (2 h weekly for 10 weeks)

Clinical Service:

Attending Physician Infectious Diseases Consultation Service (1 mo/yr)
Attending Physician MD-PhD primary care clinic (1 session/mo)
Morning report (Jacobi or Weiler Hospital) as requested (avg 1/yr)
House staff teaching conference (Weiler Hospital) 1-2 lectures/year
Infectious Diseases fellow core topics lecture series 1 lecture/year

Administration/Service:

Graduate Qualifying Examination Committees (2-4/year)
Graduate Thesis Advisory Committees (current Tony Wong, Tatsuya Yamada)
Graduate Thesis Defense Committees: Yulin Wang 1996, Lin Chen 1998, Wendy Cleare 1999, Nickoletta Lendvai 1999, Jessie Browning 1999, Hong Zhao 1999, Andy Sikora 1999, Neelie Mozzafarian 2000, Angel Rosas 2000, Fleuridor Richardson 2000, Eric Hehl 2001, Monica Hamburgh 2001, Magi Khalil 2001, Emilie Wang 2002, Greg Kicska 2002, Johanna Rivera 2002, Jeff Newman 2002, Timothy Fisher 2002, Reid Schwebach 2002, Kenneth Curr 2003, Judith Steenbergen 2003, Sarah Gross 2004, Robert Maitta 2004, Kripa Jalapathy 2004, Javier Garcia-Rivera 2004, Jeff Rice 2004, Teresa Santiago 2004 (UConn), Yanji Xu 2004, Grace Lee 2005, Tamika Burns 2005, Ramya Natarajan 2005 (NYU), Viswanathan Lakshmanan 2005, Robert Glover 2006, Xiang Xiao 2006, David Ferreiro 2006, Louis Nkrumah 2006, Vipender Singh 2006, Xiaoping Qing 2006, Sean McBride 2007, Stephanie Valdaramos 2007, Bisram Deocharan 2008, Joshua Drumm 2008, Raynald Squires 2008, Min Yu 2008, Pedro Moura 2008, Adel Nour 2008, Rebecca Muhle 2008, Abe Guerrero 2009, Yubao Wang 2009

International PhD thesis examiner: Megan Downie (laboratory of Kiaran Kirk, Australia National University) 2007
Selection committee for Dean's Outstanding Postdoctoral Research Award October 2004
MSTP steering committee 2003-present
Associate Professor Promotions Committee 2003-2005
Division of Education Medical Student Research Committee 2001-2003
AECOM Academic Senate Council (elected member) 2001-2002
AECOM Academic Senate, Department of Medicine representative 1999-2002
Sue Golding Graduate Committee, Department of Microbiology & Immunology representative 1998-2004
Graduate Committee Subcommittee on Graduate Students as Teaching Assistants Fall 2000
Department of Microbiology & Immunology Education Committee 1999-2005
Department of Microbiology & Immunology Faculty Search Committee 1998-99; 2006
Sue Golding Graduate Division Julius Marmur Prize Committee (thesis prize) co-chair (1998) and chair (1999)
Sue Golding Graduate Division Admissions Committee, Department of Microbiology & Immunology representative 1995-97
Sue Golding Graduate Division Curriculum Committee, Department of Microbiology & Immunology representative 2006-present
Professor Promotions Committee 2007-present
Department of Molecular Genetics Faculty Search Committee 2008-present
Albert Einstein College of Medicine Cancer Center & Center for AIDS Research Pilot Project Review Committee Jan 2009

Other Miscellaneous Community Service Activities:
Public School 6 (New York, NY) PTA Executive Board 2005-2007
2nd grade representative 2005-06
Recording Secretary 2006-07
Public School 6 Chess Tournament Parent Coordinator 2005-2008
Park East Properties Cooperative Board 1998-2003; 2005-2010
Columbia College of Physicians and Surgeons Class of 1984 25th Reunion Committee (May 2009)
Harvard University Schools Committee—alumni committee to interview candidates in NYC area for admission to Harvard College 2009-present
Trinity School (New York, NY) 11th grade parent representative 2009-2010

Major Research Projects:

1. *Toxoplasma gondii* epigenomics and gene expression
Using a multidisciplinary approach that includes genetics, cell biology, proteomics and microarrays, we are determining how epigenetic factors influence the development of *T. gondii* latency. Our initial focus is characterization of the epigenome of *Toxoplasma gondii* tachyzoites and bradyzoites using chromatin immunoprecipation to genome-wide DNA microarrays (ChIP-chip). We are also characterizing the DNA binding specificities of a newly described family of Apicomplexan transcription factors. Our goal is to determine epigenomic changes associated with alterations in cell signaling and with bradyzoite gene expression and to understand the gene networks important for developmental transitions in *T. gondii.*

2. Serine Proteases as a Chemotherapeutic Target in *Toxoplasma gondii*
A variety of studies suggest that serine proteases are involved in host cell invasion by *T. gondii.* We have discovered TgSUB1 and TgSUB2, two novel serine proteases that we hypothesize are

involved in host cell invasion by *T. gondii.* TgSUB1 localizes to micronemes. TgSUB2 appears to be essential and critical for formation of rhoptries, secretory organelles secreted during host cell invasion. We are also interested in determining whether serine proteases have conserved functions in all the Apicomplexa and whether these proteases represent novel targets for chemotherapy.

3. Purine Recycling and Purine Salvage Pathways as Antimalarial Targets: Protozoa are purine auxotrophs that require exogenous sources of purines. Malaria parasites rely exclusively upon the sequential action of adenosine deaminase (ADA), purine nucleoside phosphorylase (PNP) and hypoxanthine guanine xanthine phosphoribosyl transferase (HGXPRT) to salvage purines. We discovered that malaria ADA and PNP have unique dual specificities that enable them to function in methylpurine recycling and purine salvage. Since mammalian orthologues are not involved in methylthiopurine recycling, the methylthio specificity of ADA and PNP can be targeted to develop malaria-specific inhibitors. Gene disruption of *PNP* and *ADA* are being performed to test the importance of these genes in malaria survival. Studies are performed in *P. falciparum* and *P.yoelii.* As part of this project, we are developing genetic tools for *P. yoelii.*

Current funding:

NIH-NIAID R01 AI 60496 (Kim) 6/01/04 - 5/31/10 (no cost extension)
Differentiation and Signaling in Toxoplasmosis
The major goals are to 1) to define the function of cAMP protein kinase isoforms of *T. gondii* by gene disruption and overexpression, 2) to identify proteins that interact with cAMP signaling pathway, 3) to determine the gene expression patterns associated with cAMP signaling.

NIH-NIAID R01 AI 46985 (Kim) 9/01/00-1/31/10
Serine Proteinases in Apicomplexan Parasites
The major goals are to 1) genetically validate the importance of rhoptry subtilase TgSUB2, 2) define the substrate specificity of TgSUB2 3) determine whether alternate microneme subtilases have redundant functions with microneme subtilase TgSUB1.

NIH-NIAID RO1 AI39454 (Weiss) 4/01/96-1/31/10
Toxoplasmosis in AIDS: Bradyzoite Regulation
The goal of this project is to determine the function of components of the cyst wall that surrounds latent bradyzoite forms of *T. gondii*. Dr. Kim serves as collaborator on *T. gondii* genetics.

NIH-NIAID T32 AI 46985 (Tanowitz) 7/01/08-6/30/13
Geographic Medicine and Emerging Infections
This is a training grant to fund graduate students and post-doctoral research fellows in research relevant to Global Medicine and Emerging Infectious Diseases. Dr. Kim is Co-PI and Associate Director.

NIH-NIAID R21 AI077476 (Ward, Tufts University) 4/01/08-3/31/10
The goal of this project is to understand the function of *Cryptosporidium parvum* subtilisin-like serine proteases and their role in invasion of host cells. Dr. Kim serves as subcontractor for cell biology studies.

Prior funding:

NIH-NIAID-DMID BIODEFENSE PROTEOMIC (Angeletti) 6/30/04-6/29/09

RESEARCH PROGRAM HHSN266200400054C
Co-leader Target Validation Core (with Louis M. Weiss)
Identifying Targets for Therapeutic Interventions Using Proteomic Technology
The goal of this contract is to identify and validate therapeutic drug targets for *Toxoplasma gondii* and *Cryptosporidium parvum,* two waterborne Category B bioterrorism agents. Targets will be identified using a proteomics approach and validated using cell biology and molecular genetics approaches.

AECOM CFAR Pilot Project (Kim) 5/01/08-4/30/09
HIV and malaria interactions
The goal of this project is to explore the effect of HIV and malaria co-infection on macrophage and lymphocyte function and interaction of immune cells with endothelial cells.

U.S Army Medical Research W81XWH-05-2-0025 (Kim) 2/01/05-1/31/09
Evaluation of Purine Salvage as a Chemotherapeutic Target in the Plasmodium yoelii Rodent Model
The goal of this project was to test in a rodent malaria model whether inhibitors of purine recycling and salvage pathways are potential chemotherapeutic agents for malaria.

Marion Bessin Liver Research Center Pilot and Feasibility Grant (Kim) 10/1/04-5/31/06
Development of an In vitro System to Study Hepatic Stages of Malaria
This funded a pilot project to create reporter parasites for screening of hepatic cell lines for ability to support development of exoerythrocytic stages of malaria.

U.S Army Medical Research (McDonald) 3/18/02-3/17/05
Novel Leishmania and Malaria Potassium Channels: Candidate Therapeutic Targets.
The goal of this project was to evaluate malaria potassium channels as a potential chemotherapeutic target. The *Leishmania* portion of the project was cut in the review process. Dr. Kim served as parasitology collaborator.

New Initiatives in Malaria Research (Kim/Schramm) 7/01/01-6/30/03
Burroughs Wellcome Fund
Genetic Dissection of Purine Salvage Pathways in Plasmodium.
The goal of this proposal was to characterize the purine salvage pathway enzyme purine nucleoside phosphorylase (PNP) in the *Plasmodium yoelii* mouse model of malaria. We cloned and characterized PNP in *Plasmodium yoelii* and genetically tested the importance of *PNP* in *P. yoelii*. Dr. Vern Schramm of Biochemistry served as co-PI.

NIH-NIAID R21 AI52469 (Kim) 9/30/02-9/29/03
Purine Salvage as a Chemotherapeutic Target in Malaria
This goal of this project was to determine if purine salvage is a valid target for antimalarial treatment using genetics approaches designed to disrupt the *Plasmodium falciparum* purine nucleoside phosphorylase gene. Inhibitors designed by the Schramm laboratory at AECOM were tested on cultured parasites.

NIH-NIAID KO2 AI01535 (Kim) 4/01/98-3/31/03
NIH-Independent Scientist Award
Toxoplasma Development & Cell Cycle
The major goals were 1) to analyze regulation of cell cycle gene expression in *T. gondii*, 2) to characterize the expression and function of *T. gondii* cyclin dependent kinases (cdk's),

and 3) to study the relationship of cell cycle regulation and *T. gondii* bradyzoite development.

NIH-NIAID R29-AI41058 (Kim) 4/01/97-3/31/02
Cell Cycle Regulation & Toxoplasma Development
The major goal was to understand cell cycle regulation and its role in Toxoplasma development and pathogenesis. This project also developed cell cycle markers for *T. gondii*.

Burroughs Wellcome Fund (Kim) 7/01/98-6/30/01
New Investigator Award in Molecular Parasitology
Signaling Pathways and Toxoplasma gondii Differentiation
The major goals were to 1) to characterize the expression of PKA and TPK3 in *T. gondii*, 2) to determine the effects of altered kinase activity on the expression of bradyzoite (BAG1) or tachyzoite (SAG1) reporter constructs using transient cotransfection assays, 3) to evaluate the phenotype of recombinant parasites lacking PKA or TPK3 or recombinants stably expressing mutant PKA or TPK3

Full-Time Laboratory Personnel

Li-Min Ting, PhD, Associate June 2001-present
Teraya Donaldson, PhD candidate July 2004-present
Iset Vera, PhD candidate, March 2005-present
Sarah Hochman, MD, Infectious Diseases Research Fellow, July 2007-present
Kamal El Bissati, PhD, Instructor, January 2008-present
Matthew Croken, PhD candidate June 2008-present

Former Trainees:

Philippa Harris, PhD, Research Associate, July 2006-July 2009
Raj Upadhya, PhD, Instructor, October 2004-June 2009 Current: Scientist laboratory of Jennifer Lodge, PhD Washington University, St. Louis, MO
Agnes Mwakingwe, MSTP candidate, thesis research July 2005-February 2009 Current: MSTP student on clinical rotations
Dennis Madrid, MSTP candidate; thesis research October 2002-November 2008 Current: MSTP student on clinical rotations
Mathieu Gissot, PhD, Research Associate, March 2005-October 2008 Current: CNRS Associate Scientist CRII (equivalent to Asst Professor); Institut Pasteur, Lille France
Vanessa Lagal, PhD, Research Associate, August 2005-September 2008 Current: postdoctoral fellow, laboratory of Isabelle Tardieux, Institute Cochin, Paris, France.
Roman Thibeaux, Visiting scientist (Masters student, Denis Diderot University, Paris) March 2007-August 2007
Art Jongco, PhD thesis work September 2002-October 2006; MSTP candidate Albert Einstein College of Medicine, now Intern, Long Island Jewish Hospital.
Zoi Tampaki, visiting scientist (PhD student in laboratory of Thanasis Loukeris, PhD, University of Crete) October 2005-December 2005; March 2006-September 2006
Adele Chretien, visiting scientist (Masters student, University of Paris) March 2006-September 2006
Karena Waller, PhD, Research Associate (joint with McDonald) July 2002-December 2005 (now Howard Florey Centenary Fellow, Monash University, Melbourne, Australia (junior faculty))

Emily Binder, PhD; PhD thesis work 2000-2005; PhD conferred Sept 2005; (now Staff Scientist Wyeth Pharmaceuticals, Pearl River, NY)
Michael Eaton, MD, PhD; PhD thesis work 1999-2003; MSTP graduate June 2005 Albert Einstein College of Medicine; (now Radiation Oncology Resident, University of Southern California).
Xiaohong Gao, M.D., Research Associate 2000-2003; (now Research Associate, Dr. Peter Preiser, Nanyang Technological University, Singapore)
Vandana Thathy, PhD., Postdoctoral Fellow 2000-2003; (now junior group leader KEMRI, Kilifi, Kenya)
Farzana Khan, PhD; Research Associate 1999-2002 (now on family leave)
Steve Miller, MD, PhD; PhD thesis work 1997-2001, MSTP graduate June 2003 Albert Einstein College of Medicine, (Now Director, Mt Zion Clinical Laboratories, San Francisco, California; Health Sciences Assistant Professor of Clinical Laboratory Medicine. University of California, San Francisco).
Greg Kicska, MD, PhD (based in Schramm laboratory); PhD thesis work completed fall 2001, MSTP graduate June 2003 Albert Einstein College of Medicine. (Last known MRI fellow in Radiology, University of Pennsylvania)
Jianzhong Tang, M.S. from CUNY 1998-2000 (now research technician Wadsworth Laboratories, Albany, New York)
Laura Kirkman, MD; AECOM medical student, Howard Hughes Medical Institute Medical Student Research Fellow 1998-99; medical student summer research project, summer 1997 (now Instructor in Infectious Diseases, Weill-Cornell Medical College and post-doctoral fellow Deitsch laboratory).
Chang-le Qin, PhD; postdoctoral fellow 1995-1997; (last known Research Scientist, Merck Pharmaceuticals)

Other Trainees:

Marilyn Sutton, AECOM medical student independent research project, June-Oct 1996; Oct-Dec. 2000; (last known family medicine physician private practice, Scarsdale, NY.)
Dean Philip, undergraduate Long Island University, Summer Undergraduate Research Program 1997
Song Wu, undergraduate Cornell University, summer 1997
Helen Krupitsky, MD; undergraduate Stern College, summer 1997 & 1998 (AECOM medical student class of 2003; Resident in Medicine, Montefiore Medical Center; last known Oncology fellow, Stanford University)
Timur Graham, undergraduate City College, CUNY, Summer Undergraduate Research Program 1999
David Ishakhov, undergraduate Bard College, summer 1999 (last known dental student SUNY-Stonybrook).
Akiva Novetsky, undergraduate Yeshiva College, Summer Undergraduate Research Program 2000 (last known AECOM medical student; class of 2007).
Francisco Marty, MD, medical resident Jacobi/Weiler, fall 1998 (Chief Resident in Medicine Jacobi/Weiler 99-00; Infectious Diseases fellow Harvard MGH/Brigham program, last known Instructor in Infectious Diseases, Harvard University).
Trini Mathew, MD, medical resident Jacobi/Weiler, summer 2000 (Chief Resident in Medicine Jacobi/Weiler 2002-03; last known Infectious Diseases clinical research fellow at Harvard Beth Israel/Deaconess Hospitals).
Steven Okaine, high school senior Evander Childs High School, March-May 2001 (last known undergraduate Syracuse University).

Jimee Hwang, MD; AECOM 4th year medical student research elective Feb-May 2002 (Resident in Internal Medicine, University of California, San Francisco; now CDC EIS officer).
Caryn Gamss, undergraduate Stern College, Yeshiva University, Summer Undergraduate Research Program 2002 (medical student Albert Einstein College of Medicine class of 2008; last known radiology resident Montefiore Medical Center).
Katherine Eldridge, high school student New Canaan High School, Intel Science Competition July-Nov 2002; (last known undergraduate Harvard College beginning Fall 2003).
Iset Vera, undergraduate UCLA, ASM Minority Undergraduate Research Fellow, summer 2003.(now PhD candidate AECOM).
Bryan Kim, undergraduate Case Western Reserve, Undergraduate Research, summer 2003.
Anna Yakovleva, high school student Bronx High School of Science Intel Science Competition Feb 2004-Aug 2005; summer 2006 & 2007 (now undergraduate George Washington University class of 2010).
Chris Schipper, high school student New Canaan High School. Intel Science Competition, summer 2004. (last known undergraduate Washington University, St. Louis, entering fall 2005).
Nathalie Poumellec, medical student, University of Paris. summer 2004. (last known, family practice resident Paris, France)
Suzanne Snyder, undergraduate Stern College Summer Undergraduate Research Program 2005 (last known, medical student AECOM class of 2010)
John Zheng, high school student Bronx High School of Science June 2006-September 2006 (last known undergraduate Middlebury College entering September 2007)
Willis Ko, high school student Bronx High School of Science, Intel Science Competition June 2005-September 2006
Christina Belter, undergraduate Gaucher College, Summer Undergraduate Research Program 2007 (last known PhD candidate)
Batya Herzberg, undergraduate Stern College, Summer Undergraduate Research Program 2008
Henry Redel, MD, Montefiore medical resident research elective March-April, August 2009
Josh Ichise Scarsdale High School rising senior, Summer 2009
Gary Chase Krivo, New Canaan High School rising senior, Summer 2009

Peer-reviewed publications:

1. **Kim K**, Blechman WJ, Riddle VG, Pardee AB. Basis of observed resistance of L1210 leukemia in mice: methotrexate, 6-thioguanine, 6-methylmercaptopurine riboside, 6-mercaptopurine, 5-fluorouracil,and 1-beta-D-arabinofuranosylcytosine administered in different combinations. Cancer Res. 1981 Nov;41(11 Pt 1):4529-34. PMID: 7198006
2. Rosenthal PJ, **Kim K**, McKerrow JH, Leech JH. Identification of three stage-specific proteinases of *Plasmodium falciparum*. J Exp Med. 1987 Sep 1;166(3):816-21. PMID: 3305763
3. Nelson RG, **Kim K**, Gooze L, Petersen C, Gut J. Identification and isolation of *Cryptosporidium parvum* genes encoding microtubule and microfilament proteins. J Protozool. 1991 Nov-Dec;38(6):52S-55S. PMID: 1818196
4. Goozé L, **Kim K**, Petersen C, Gut J, Nelson RG. Amplification of a *Cryptosporidium parvum* gene fragment encoding thymidylate synthase. J Protozool. 1991 Nov-Dec;38(6):56S-58S. PMID: 1818199

5. **Kim K**, Goozé L, Petersen C, Gut J, Nelson RG. Isolation, sequence and molecular karyotype analysis of the actin gene of *Cryptosporidium parvum*. Mol Biochem Parasitol. 1992 Jan;50(1):105-13. PMID: 1542305

6. Xiong C, Grieve RB, **Kim K**, Boothroyd JC. Expression of *Toxoplasma gondii* P30 as fusions with glutathione S-transferase in animal cells by Sindbis recombinant virus. Mol Biochem Parasitol. 1993 Sep;61(1):143-8. PMID: 8259126

7. **Kim K**, Soldati D, Boothroyd JC. Gene replacement in *Toxoplasma gondii* with chloramphenicol acetyltransferase as selectable marker. Science. 1993 Nov 5;262(5135):911-4. PMID: 8235614

8. **Kim K**, Bülow R, Kampmeier J, Boothroyd JC. Conformationally appropriate expression of the *Toxoplasma* antigen SAG1 (p30) in CHO cells. Infect Immun. 1994 Jan;62(1):203-9. PMID: 8262628

9. **Kim K**, Boothroyd JC. *Toxoplasma gondii*: stable complementation of sag1 (p30) mutants using SAG1 transfection and fluorescence-activated cell sorting. Exp Parasitol. 1995 Feb;80(1):46-53. PMID: 7821410

10. Black M, Seeber F, Soldati D, **Kim K**, Boothroyd JC. Restriction enzyme-mediated integration elevates transformation frequency and enables co-transfection of *Toxoplasma gondii*. Mol Biochem Parasitol. 1995 Oct;74(1):55-63. PMID: 8719245

11. Soldati D, **Kim K**, Kampmeier J, Dubremetz JF, Boothroyd JC. Complementation of a *Toxoplasma gondii* ROP1 knock-out mutant using phleomycin selection. Mol Biochem Parasitol. 1995 Oct;74(1):87-97. PMID: 8719248

12. Vásquez JR, Goozé L, **Kim K**, Gut J, Petersen C, Nelson RG. Potential antifolate resistance determinants and genotypic variation in the bifunctional dihydrofolate reductase-thymidylate synthase gene from human and bovine isolates of *Cryptosporidium parvum*. Mol Biochem Parasitol. 1996 Aug;79(2):153-65. PMID: 8855552

13. Qin CL, Tang J, **Kim K**. Cloning and in vitro expression of TPK3, a *Toxoplasma gondii* homologue of shaggy/glycogen synthase kinase-3 kinases. Mol Biochem Parasitol. 1998 Jun 1;93(2):273-83. PMID: 9662711

14. Zhang YW, **Kim K**, Ma YF, Wittner M, Tanowitz HB, Weiss LM. Disruption of the *Toxoplasma gondii* bradyzoite-specific gene BAG1 decreases in vivo cyst formation. Mol Microbiol. 1999 Jan;31(2):691-701. PMID: 10027984

15. Kirkman LA, Weiss LM, **Kim K**. Cyclic nucleotide signaling in *Toxoplasma gondii* bradyzoite differentiation. Infect Immun. 2001 Jan;69(1):148-53. PMID: 11119500

16. **Kim K**, Eaton MS, Schubert W, Wu S, Tang J. Optimized expression of green fluorescent protein in *Toxoplasma gondii* using thermostable green fluorescent protein mutants. Mol Biochem Parasitol. 2001 Apr 6;113(2):309-13. PMID: 11295185

17. Sonda S, Ting LM, Novak S, **Kim K**, Maher JJ, Farese RV Jr, Ernst JD. Cholesterol esterification by host and parasite is essential for optimal proliferation of *Toxoplasma gondii*.J Biol Chem. 2001 Sep 14;276(37):34434-40. Epub 2001 Jul 16. PMID: 11457847

18. Fischer BS, Qin D, **Kim K**, McDonald TV. Capsaicin inhibits Jurkat T-cell activation by blocking calcium entry current I(CRAC). J Pharmacol Exp Ther. 2001 Oct;299(1):238-46.PMID: 11561085

19. Miller SA, Binder EM, Blackman MJ, Carruthers VB, **Kim K**. A conserved subtilisin-like protein TgSUB1 in microneme organelles of *Toxoplasma gondii*. J Biol Chem. 2001 Nov 30;276(48):45341-8. Epub 2001 Sep 19. PMID: 11564738

20. Matthiesen SH, Shenoy SM, **Kim K**, Singer RH, Satir BH. A parafusin-related *Toxoplasma* protein in Ca2+-regulated secretory organelles. Eur J Cell Biol. 2001 Dec;80(12):775-83. PMID: 11831391

21. Kicska GA, Tyler PC, Evans GB, Furneaux RH, **Kim K**, Schramm VL. Transition state analogue inhibitors of purine nucleoside phosphorylase from *Plasmodium falciparum*. J Biol Chem. 2002 Feb 1;277(5):3219-25. Epub 2001 Nov 13. PMID: 11707439

22. Kicska GA, Tyler PC, Evans GB, Furneaux RH, Schramm VL, **Kim K**. Purine-less death in *Plasmodium falciparum* induced by immucillin-H, a transition state analogue of purine nucleoside phosphorylase. J Biol Chem. 2002 Feb 1;277(5):3226-31. Epub 2001 Nov 12.PMID: 11706018

23. Khan F, Tang J, Qin CL, **Kim K**. Cyclin-dependent kinase TPK2 is a critical cell cycle regulator in *Toxoplasma gondii*. Mol Microbiol. 2002 Jul;45(2):321-32. PMID: 12123447

24. Miller SA, Thathy V, Ajioka JW, Blackman MJ, **Kim K**. TgSUB2 is a *Toxoplasma gondii* rhoptry organelle processing proteinase. Mol Microbiol. 2003 Aug;49(4):883-94.PMID: 12890015

25. Matthiesen SH, Shenoy SM, Kim K, Singer RH, Satir BH. Role of the parafusin orthologue, PRP1, in microneme exocytosis and cell invasion in *Toxoplasma gondii*. Cell Microbiol. 2003 Sep;5(9):613-24. PMID: 12925131

26. O'Connor RM, **Kim K**, Khan F, Ward HD. Expression of Cpgp40/15 in *Toxoplasma gondii*: a surrogate system for the study of *Cryptosporidium* glycoprotein antigens. Infect Immun. 2003 Oct;71(10):6027-34.PMID: 14500524

27. Kicska GA, Ting LM, Schramm VL, **Kim K**. Effect of dietary p-aminobenzoic acid on murine *Plasmodium yoelii* infection. J Infect Dis. 2003 Dec 1;188(11):1776-81. Epub 2003 Nov 14. PMID: 14639551

28. Ma YF, Zhang Y, **Kim K**, Weiss LM. Identification and characterisation of a regulatory region in the *Toxoplasma gondii* hsp70 genomic locus. Int J Parasitol. 2004 Mar 9;34(3):333-46. PMID: 15003494

29. Shi W, Ting LM, Kicska GA, Lewandowicz A, Tyler PC, Evans GB, Furneaux RH, **Kim K**, Almo SC, Schramm VL. *Plasmodium falciparum* purine nucleoside phosphorylase: crystal structures, immucillin inhibitors, and dual catalytic function. J Biol Chem. 2004 Apr 30;279(18):18103-6. Epub 2004 Feb 23. PMID: 14982926

30. Carey KL, Jongco AM, **Kim K**, Ward GE. The *Toxoplasma gondii* rhoptry protein ROP4 is secreted into the parasitophorous vacuole and becomes phosphorylated in infected cells. Eukaryot Cell. 2004 Oct;3(5):1320-30. PMID: 15470260

31. Ting LM, Shi W, Lewandowicz A, Singh V, Mwakingwe A, Birck MR, Ringia EA, Bench G, Madrid DC, Tyler PC, Evans GB, Furneaux RH, Schramm VL*, **Kim K***. Targeting a novel *Plasmodium falciparum* purine recycling pathway with specific immucillins.J Biol Chem. 2005 Mar 11;280(10):9547-54. Epub 2004 Dec 2.PMID: 15576366 *joint corresponding

32. Lewandowicz A, Ringia EA, Ting LM, **Kim K**, Tyler PC, Evans GB, Zubkova OV, Mee S, Painter GF, Lenz DH, Furneaux RH, Schramm VL. Energetic mapping of transition state analogue interactions with human and *Plasmodium falciparum* purine nucleoside

phosphorylases. J Biol Chem. 2005 Aug 26;280(34):30320-8. Epub 2005 Jun 16. PMID: 15961383

33. Howell SA, Hackett F, Jongco AM, Withers-Martinez C, **Kim K**, Carruthers VB, Blackman MJ. Distinct mechanisms govern proteolytic shedding of a key invasion protein in apicomplexan pathogens. Mol Microbiol. 2005 Sep;57(5):1342-56. PMID: 16102004

34. Eaton MS, Weiss LM, **Kim K**. Cyclic nucleotide kinases and tachyzoite-bradyzoite transition in *Toxoplasma gondii.* Int J Parasitol. 2006 Jan;36(1):107-14. Epub 2005 Sep 22.PMID: 16216248

35. Jongco AM, Ting LM, Thathy V, Mota MM, **Kim K**.Improved transfection and new selectable markers for the rodent malaria parasite *Plasmodium yoelii*. Mol Biochem Parasitol. 2006 Apr;146(2):242-50. Epub 2006 Jan 17. PMID: 16458371

36. **Kim K**.Time to screen for congenital toxoplasmosis? Clin Infect Dis. 2006 May 15;42(10):1395-7. Epub 2006 Apr 11. PMID: 16619150

37. Chaudhary K, Ting LM, **Kim K**, Roos DS. *Toxoplasma gondii* purine nucleoside phosphorylase biochemical characterization,inhibitor profiles, and comparison with the Plasmodium falciparum ortholog. J Biol Chem. 2006 Sep 1;281(35):25652-8. Epub 2006 Jul 7. PMID: 16829527

38. Wanyiri JW, O'Connor R, Allison G, **Kim K**, Kane A, Qiu J, Plaut AG, Ward HD. Proteolytic processing of the *Cryptosporidium* glycoprotein gp40/15 by human furin and by a parasite-derived furin-like protease activity. Infect Immun. 2007 Jan;75(1):184-92. Epub 2006 Oct 16. PMID: 17043102

39. O'Connor RM, Wanyiri JW, Wojczyk BS, **Kim K**, Ward H. Stable expression of *Cryptosporidium parvum* glycoprotein gp40/15 in *Toxoplasma gondii*. Mol Biochem Parasitol. 2007 Apr;152(2):149-58. Epub 2007 Jan 7. PMID: 17275106

40. Gissot M, Kelly KA, Ajioka JW, Greally JM, **Kim K**. Epigenomic modifications predict active promoters and gene structure in *Toxoplasma gondii*. PLoS Pathog. 2007 Jun;3(6):e77. PMID: 17559302

41. Gissot M, Choi SW, Thompson RF, Greally JM, **Kim K**. Toxoplasma gondii and Cryptosporidium parvum lack detectable DNA cytosine methylation.Eukaryot Cell. 2008 Mar;7(3):537-40. Epub 2008 Jan 4. PMID: 18178772

42. Waller KL, SM McBride, **K Kim***, TV McDonald*. Characterization of two putative potassium channels in *Plasmodium falciparum*. Malar J. 2008 Jan 24;7(1):19 [Epub ahead of print] *joint corresponding

43. Gissot M, Ting LM, Daly TM, Bergman LW, Sinnis P, **Kim K**. High mobility group protein HMGB2 is a critical regulator of *Plasmodium* oocyst development. J Biol Chem. 2008 Apr 8; [Epub ahead of print] PMID: 18400754

44. Thompson RF, Reimers M, Khulan B, Gissot M, Richmond TA, Chen Q, Zheng X, **Kim K**, Greally JM. An analytical pipeline for genomic representations used for cytosine methylation studies. Bioinformatics. 2008 Mar 18; [Epub ahead of print] PMID: 18353789

45. Binder EM, Lagal V, **Kim K**. The prodomain of *Toxoplasma gondii* GPI-anchored subtilase TgSUB1 mediates its targeting to micronemes. Traffic. 2008 Jun 2. [Epub ahead of print] PMID: 18532988.

46. Waller KL, **Kim K,** McDonald TV. *Plasmodium falciparum*: Growth Response to Potassium Channel Blocking Compounds. Exp Parasitol. 2008 Jul 30. [Epub ahead of print] PMID: 18703053

47. Ting LM, Gissot M, Coppi A, Sinnis P, **Kim K**. Attenuated *Plasmodium yoelii* lacking purine nucleoside phosphorylase confer protective immunity. Nat Med. 2008 Sep;14(9):954-8.PMID: 18758447

48. Madrid DC, Ting LM, Waller KL, Schramm VL, **Kim K**. Plasmodium falciparum purine nucleoside phosphorylase is critical for viability of malaria parasites. J Biol Chem. 2008 Dec 19;283(51):35899-907. Epub 2008 Oct 28. PMID: 18957439

49. Dybas JM, Madrid-Aliste CJ, Che FY, Nieves E, Rykunov D, Angeletti RH, Weiss LM, **Kim K**, Fiser A. Computational Analysis and Experimental Validation of Gene Predictions in *Toxoplasma gondii*. PLoS ONE. 2008;3(12):e3899. Epub 2008 Dec 9. PMID: 19065262 Wanyiri JW, Techasintana P, O'Connor RM, Blackman MJ, **Kim K**, Ward HD. Role of CpSUB1, a Subtilisin-Like Protease in Cryptosporidium parvum Infection in vitro. Eukaryot Cell. 2009 Jan 23. [Epub ahead of print] PMID: 19168760

51. Madrid-Aliste CJ, Dybas JM, Hogue Angeletti R, Weiss LM, **Kim K**, Simon I, Fiser A. EPIC-DB: a proteomics database for studying Apicomplexan organisms. BMC Genomics. 2009 Jan 21;10(1):38. [Epub ahead of print] PMID: 19159464

52. Mwakingwe A, Ting LM, Hochman S, Chen J, Sinnis P, **Kim K.** Non-Invasive Real-Time Monitoring of Liver Stage Development of Bioluminescent *Plasmodium* Parasites. Journal of Infectious Diseases In Press (Nov 2009)

In review:

53. Lagal V, Binder EM, Diez R, Chen D, Kafsack BFC, Cole R, Carruthers VB, **Kim K.** *Toxoplasma gondii* protease TgSUB1 is required for surface processing of micronemal adhesive complexes that mediate host cell attachment and invasion. PLoS Pathogens In revision

54. Xiao H, El Bissati K, Verdier-Pinard P, Burd B, Zhang H, **Kim K**, Fiser A, Angeletti RH, Weiss LM. Microtubules of *Toxoplasma gondii* contain C- terminal methylated α- and β-tubulins. Submitted for publication.

55. Ho MC, Cassera MB, Madrid DC, Ting LM, Almo SC, **Kim K**, Schramm VL. Structural basis for methylthiocoformycin specificity with malarial adenosine deaminases. Submitted for publication.

56. Donaldson T, Ting LM, Zhan C, Shi W, Zheng R, Decatur S, Fiser A, Almo S, **Kim K**. Selective targeting of the 5'methylthioinosine activity of *Plasmodium* purine nucleoside phosphorylase. Submitted for publication

Invited Reviews (Peer reviewed):

4.1. Weiss, L.M. and **K.Kim.** The development and biology of bradyzoites of *Toxoplasma gondii.* Front Biosci. 5:D391-405, 2000.

7.2. **Kim, K.** and L.M. Weiss. *Toxoplasma gondii,* the model apicomplexan. Int. J. Parasitol. 34:423-32. 2004.

3. **Kim, K.** Role of proteinases in *Toxoplasma gondii* invasion and intracellular survival. Acta Tropica. 91: 69-81.2004

4. Binder, EM and **K. Kim.** Location, location, location: trafficking and function of secreted proteases of *Toxoplasma* and *Plasmodium.* Traffic. 5: 914-24. 2004.

5. **Kim, K.** and L.M. Weiss. *Toxoplasma*: the next 100 years. Microbes Infect. 2008 Jul 10. [Epub ahead of print] PMID: 18672085

6. Hochman S, **Kim K.** Toxoplasmosis. British Medical Journal/Epocrates Point of Care Online Reference. 2008.

7. Gissot M, **Kim K**, Schaap D, Ajioka JW. New eukaryotic systematics: a phylogenetic perspective of developmental gene expression in the Apicomplexa. Int J Parasitol. 2009 Jan;39(2):145-51. Epub 2008 Oct 21. PMID: 18983845

8. Gissot M, **Kim K**. How epigenomics contributes to the understanding of gene regulation in *Toxoplasma gondii*. J Eukaryot Microbiol. 2008 Nov-Dec;55(6):476-80. Review. PMID: 19120792 [PubMed - indexed for MEDLINE]

9. Weiss LM, Fiser A, Angeletti RH, **Kim K**. *Toxoplasma gondii* proteomics Expert Reviews in Proteomics In press.

10. Hochman S, **Kim K**. The impact of HIV and malaria co-infection: what is known and suggested venues for further study. Interdisciplinary Perspectives on Infectious Diseases. In press.

Book Chapters and Reviews:

1. Boothroyd, J.C., **K. Kim,** E. Ortega, L.D. Sibley, and D. Soldati. Toxoplasma as a paradigm for the use of genetics in the study of parasitic protozoa. In Biology of Parasitism: Modern Approaches., J.C. Boothroyd and R. Komuniecki (eds.), Wiley-Liss, New York. 1994.

2. Boothroyd, J.C., M. Black, **K. Kim,** E.R. Pfefferkorn, F. Seeber, L.D. Sibley, and D. Soldati. Forward and reverse genetics as a tool for the study of the protozoan parasite, *Toxoplasma gondii*. In, Methods in Molecular Genetics, Vol. 6B, K. Adolph (ed.), Academic Press, New York.1995.

3. **Kim K.,** Toxoplasmosis. In Conn's Current Therapy. Rakel (ed) Saunders, Philadelphia 2000.

5.4. **Kim K** and Weiss LM. Developmental Stage Conversion: Insights And Possibilities. In World Class Pathogens Vol. 8. Opportunistic Pathogens: *Toxoplasma*, *Sarcocystis* and

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Microsporidia. D.Lindsay and L.M.Weiss (eds.) Kluwer Academic Publishers. pp 89-110, 2004

~~6.~~5. Weiss LM and **Kim K.** The International Congress on Toxoplasmosis. Int. J. Parasitol. 34:249-52. 2004

Formatted: Bullets and Numbering

6. Jongco A and **Kim K** Proteases of *Toxoplasma gondii* In Biology of *Toxoplasma gondii* J. Ajioka and D. Soldati, eds. Horizon Scientific Press 2007

7. Weiss LM and **Kim K** Bradyzoite Differentiation. In *Toxoplasma gondii,* the model Apicomplexan: perspectives and methods, LM Weiss and **K. Kim** eds. Academic Press, London 2007.

8. Cordain, L, Hickey MS, **Kim K**. Malaria and rickets represent selective forces for the convergent evolution of adult lactase persistence. Proceedings of Harlan II International Symposium. Biodiversity in Agriculture: Domestication, Evolution, & Sustainability, University of California, Davis, CA, Sept 16, 2008 In press 2009

Books edited:

1. Weiss, LM and **K. Kim** eds. *Toxoplasma gondii*, the Model Apicomplexan: Perspectives and Methods, Academic Press, London 2007.