



Patrick R. Murray, PhD

Dr. Patrick R. Murray is the Worldwide Director of Scientific Affairs for Becton Dickinson Diagnostics.

He received his Ph.D. degree in Microbiology at UCLA in 1974, postgraduate training in Clinical Microbiology at the Mayo Clinic in Rochester MN, and was director of the Clinical Microbiology Laboratories at Barnes Hospital from 1976-1999 and Professor of Pathology and Medicine at the Washington University School of Medicine. In 1999 he moved to Baltimore to assume the position of Director of the Clinical Microbiology Laboratories at the University of Maryland Medical Center, and two years later moved to the National Institutes of Health as Chief of Microbiology and Senior Scientist at the NIH Clinical Center. In July 2011 he retired from the NIH and accepted his current position at BD Diagnostics.

Dr. Murray is the former Editor-in-Chief of the ASM Manual of Clinical Microbiology and serves on numerous editorial boards. He has authored more than 250 research articles and 15 books. He is the recipient of numerous awards including the ASM Becton Dickinson Award for Research in Clinical Microbiology (1993), ASM BioMerieux-Sonnenwirth Award for Leadership in Clinical Microbiology (2002), ASM Founders Distinguished Service Award (2010), and ABMM/ABMLI Professional Recognition Award, as well as the Pasteur Award (Illinois Branch of ASM, 2007), NIH Clinical Center Director's Awards for Patient Care (2006) and Research (2010), and NIH Director's Award for Research (2007).

Patient Guide

Adjunct Assistant Professor Partha Pratim De

Clinic(s)	Clinical Microbiology, Laboratory Medicine
Designation	Head of Department, Senior Consultant
Credentials	MBBS, FRCPath
Clinical Interests	Microbiology



Dr Partha De

BSc, MBBS, DTMH, MSc, FRCPath.

Working in diagnostic microbiology for 21 years in NHS England and for the last 5 years in Singapore. Current Head of Laboratory Medicine, Tan Tock Seng Hospital, previous Head of Microbiology in England.

Front line experience of clinical and laboratory microbiology, infection control (IC) and antimicrobial stewardship (AS), including as lead consultant for IC and AS.

Involved in national UK reduction of MRSA bacteraemia and C.difficile rates at local hospital level, and also as a member of UK Government Department of Health MRSA Bacteraemia Reduction Team.

Current role mainly to plan, prepare and respond to existing and emerging pathogens.

NUNTRA SUWANTARAT, MD, D(ABMM)

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Chulabhorn International College of Medicine,
Division of Infectious Diseases, Faculty of
Medicine,
Thammasat University Hospital, Pathumthani,
Thailand, 12120
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ACADEMIC APPOINTMENT

Dec 2016- Present **Assistant to the Dean for Academic Affairs and Research**
Chulabhorn International College of Medicine (CICM)
Thammasat University, Thailand

July 2015-present **Lecturer**
Chulabhorn International College of Medicine (CICM)
Thammasat University, Thailand

Infectious Diseases & Medical Microbiology Consultant
Division of Infectious Diseases,
Thammasat University Hospital, Pathumthani, Thailand

PROFESSIONAL BOARD CERTIFIED

July 2016 **Diploma, Thai Board of Internal Medicine**
Diploma, Thai Board of Infectious Diseases

August 2015 **American Board of Medical Microbiology (ABMM)**

September 2014 **American Board of Pathology, Medical Microbiology (ABP)**

October 2012 **American Board of Internal Medicine, Infectious Diseases**

August 2010 **American Board of Internal Medicine (ABIM)**

EDUCATION

2014-2015 **Postdoctoral Clinical and Research Fellow,**
Advanced Microbiology and Laboratory Management
Johns Hopkins University, Baltimore, MD

2013-2014 **Clinical Microbiology Fellow,**
Johns Hopkins University, Baltimore, MD

2010-2013 **Infectious Disease Fellow,**
Case Western Reserve University, Cleveland, OH

Tropical Medicine Diploma
Case Western Reserve University, Cleveland, OH

- American Society of Tropical Medicine and Hygiene-Approved Diploma
- 2007-2010 **Internal Medicine Resident,**
University of Hawaii Internal Medicine Residency Program,
Honolulu, HI
- 2004-2005 **Graduate Diploma in Basic Medical Science (Biochemistry)**
Faculty of Graduate Studies, Mahidol University, Bangkok
Thailand
- 1997-2003 **M.D. with *First Class Honors***
Faculty of Medicine, Siriraj Hospital, Mahidol University,
Bangkok, Thailand

EDITORIAL BOARDS:

2015-present Associate Editors, *Antimicrobial Resistance and Infection Control*

REVIEWER:

- 2017-Present *Anaerobes*
International Journal of Medical Research
Welcome Trust Foundation (Grant proposal reviewed)
- 2016-present *American Journal of Tropical Medicine and Hygiene*
BMJ open
Diagnostic Microbiology and Infectious Disease
European Journal of Clinical Microbiology & Infectious Diseases
Journal of Thoracic Disease
Meningitis Foundation (Grant proposal reviewed)
- 2015-present *Journal of Clinical microbiology*
Hawaii Journal of Medicine and Public Health
Thammasat University (Grant proposal reviewed)
- 2014-present *Antimicrobial Resistance and Infection Control*

RESEARCH AND PUBLICATIONS

Research interests

Infectious diseases, Infection prevention and control and clinical microbiology in multi-drug resistant organisms and anaerobic bacteria in resource-limited settings.

Invited Speakers

- 2016-present Infectious Disease Association of Thailand
(Annual Meeting, Short-Course Program, National Seminar on
Infection Control Meeting)
- 2017-present Asia Pacific Society of Infection Control (APSIC)
(International Congress of the Asia Pacific Society of Infection
Control, Course for Physicians and ID Fellows)

Book Chapters

2017 Cost-effectiveness of Rapid Molecular Diagnosis for Active Tuberculosis (In Thai language) in Value-Based Care in Medicine (Thammasat Internal Medicine Annual Meeting). Lolekha P et al (editor), July 2017, page 265-281 (ISBN 978-974-466-991-9)

Multidrug-Resistant Organisms (MDROs): Diagnosis, Epidemiology and Management Using Multidisciplinary Approach (In Thai language) in Diversity in Multidisciplinary Approach to Patient Self Care. Wongkittirak C, and Vilaichon R (editor), June 2017 (ISBN 978-974-466-978-0)

Infection Prevention in Resource-Limited Settings (Chapter 28), Apisarnthanarak A, **Suwantarat N**, Roth VR in Practical Healthcare Epidemiology, Forth edition. Lautenbach E. et al (editor), *in press*

2016 Practical Diagnostic Microbiology for Internist (In Thai language) Update in Internal Medicine, Thammasat Internal Medicine Annual Meeting. Tangarunsanti A et al. (editor), July 2016, page 225-235. (ISBN 978-974-466-889-9)

Diagnostic Microbiology for Infection Preventionist (In Thai language) in Pearls and Pitfalls in Infectious Diseases. Thammakul et al. (Editor) (Annual Meeting, Infectious Disease Association of Thailand), March 2016, Page 253-278.

Publications

2018 **Suwantarat N**, Rubin M, Bryan L, Tekle T, Boyle MP, Carroll KC, Jennings MT. Frequency of small-colony variants and antimicrobial susceptibility of methicillin-resistant *Staphylococcus aureus* in cystic fibrosis patients. *Diagn Microbiol Infect Dis*. 2017 Dec 2. pii: S0732-8893(17)30375-9. doi: 10.1016/j.diagmicrobio.2017.11.012. [Epub ahead of print] (PMID: 29343421)

Li DX, Sick-Samuels AC, **Suwantarat N**, Same RG, Simner PJ, Tamma PD. Risk Factors for Extended-Spectrum Beta-Lactamase-Producing Enterobacteriaceae Carriage Upon Pediatric Intensive Care Unit Admission. *Infect Control Hosp Epidemiol*. 2018;39(1):116-118. (PMID: 29202892)

2017 **Suwantarat N**, Supple LA, Cadnum JL, Sankar T, Donskey CJ. Quantitative assessment of interactions between hospitalized patients and portable medical equipment and other fomites. *Am J Infect Control*. 2017;45(11):1276-1278. (PMID: 28623002)

Pruetpongpun N, Khawcharoenporn T, Damronglerd P, **Suwantarat N**, Apisarnthanarak A, Rutjanawech S. Inappropriate Empirical Treatment of

Uncomplicated Cystitis in Thai Women: Lessons Learned. *Clin Infect Dis*. 2017;15;64(suppl_2):S115-S118. (PMID: 28475789) (2)

Kalimuddin S, Chen SL, Lim CTK, Koh TH, Tan TY, Kam M, Wong CW, Mehershahi KS, Chau ML, Ng LC, Tang WY, Badaruddin H, Teo J, Apisarnthanarak A, **Suwantararat N**, Ip M, Holden MTG, Hsu LY, Barkham T; Singapore Group B Streptococcus Consortium. 2015 Epidemic of Severe *Streptococcus agalactiae* Sequence Type 283 Infections in Singapore Associated With the Consumption of Raw Freshwater Fish: A Detailed Analysis of Clinical, Epidemiological, and Bacterial Sequencing Data. *Clin Infect Dis*. 2017;15;64(suppl_2):S145-S152. (PMID: 28475781) (3)

Hsu LY, Apisarnthanarak A, Khan E, **Suwantararat N**, Ghafur A, Tambyah PA. Carbapenem-Resistant *Acinetobacter baumannii* and Enterobacteriaceae in South and Southeast Asia. *Clin Microbiol Rev*. 2017;30(1):1-22. (PMID: 27795305) (4)

2016 Saade EA, **Suwantararat N**, Zabarsky TF, Wilson B, Donskey CJ. Fluoroquinolone-Resistant *Escherichia coli* Infections After Transrectal Biopsy of the Prostate in the Veterans Affairs Healthcare System. *Pathog Immun*. 2016;1(2):243-257. (PMID: 27774521) (5)

Pruetpongpun N, Khawcharoenporn T, Damronglerd P, Suthiwartnarueput W, Apisarnthanarak A, Rujanavej S, **Suwantararat N**. Disseminated *Talaromyces marneffei* and *Mycobacterium abscessus* in a patient with anti-interferon gamma autoantibodies". *Open Forum Infectious Disease* 2016 10;3(2):ofw093 (PMID: 27419165)

Suwantararat N, Carroll KC. Multidrug-Resistant Gram-Negative Bacteria in Southeast Asia: Molecular epidemiology study and laboratory diagnosis. *Antimicrobial Resistance and Infection Control* 2016;5:15 (PMID: 27148448) (6)

Tamma PD, **Suwantararat N**, Rudin SD, Logan LK, Simner PJ, Rojas LJ, Mojica MF, Carroll KC, Bonomo RA. First Report of a Verona Integron-Encoded Metallo- β -Lactamase-Producing *Klebsiella pneumoniae* Infection in a Child in the United States. *J Pediatric Infect Dis Soc*. 2016 J Pediatric Infect Dis Soc. 2016;5(3):e24-7 (PMID: 27147714) (7)

Suwantararat N, Logan LK, Carroll KC, Bonomo RA, Simner PJ, Rudin S, Milstone AM, Tekle T, Ross T, Tamma PD. The Prevalence and Molecular Epidemiology of Multidrug-Resistant Enterobacteriaceae Colonization in a Pediatric Intensive Care Unit. *Infection Control and Hospital Epidemiology*. 2016 ;37(5):535-43. (PMID: 26856439) (8)

Popoola VO, Colantuoni E, **Suwantararat N**, Pierce R, Carroll KC, Aucott, SW, Milstone AM. Active Surveillance Cultures and Decolonization to Reduce *Staphylococcus aureus* Infections in the NICU. *Infection Control and Hospital Epidemiology*. 2016;37(4):381-7. (PMID: 26725699) (9)

- Suwantararat N**, Romagnoli M, Carroll KC. Photo quiz: Isolation of an unusual Gram-positive coccus from a positive blood culture in a patient with pneumonia. *Journal Clinical of Microbiology*. 2016;54(1):1 (PMID: 26719581)
- Suwantararat N**, Romagnoli M, Carroll KC. Answer to photo quiz: *Actinomyces radidentis* Bacteremia. *Journal Clinical of Microbiology*. 2016;54(1):247 (PMID: 26719588)
- Suwantararat N**, Weik C, Romagnoli M, Ellis BC, Kwiatkowski N, Carroll KC. Practical Utility and Accuracy of Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry for Identification of *Corynebacterium* spp. and Other Medically Relevant Coryneform-Like Bacteria. *American Journal of Clinical Am J Clin Pathol*. 2016;145(1):22-8. (PMID: 26712867)
- 2015 **Suwantararat N**, Grundy M, Rubin M, Harris R, Miller JA, Romagnoli M, Hanlon A, Tekle T, Ellis BC, Witter FR, Carroll KC. Recognition of *Streptococcus pseudoporcinus* Colonization in Women as a Consequence of using Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry for Group B Streptococcus Identification. *Journal Clinical of Microbiology*. 2015;53(12):3926-30. (PMID: 26468502)
- Suwantararat N**, Apisarnthanarak A. Risks to Healthcare Workers with Emerging Diseases: Lessons from MERS-CoV, Ebola, SARS, and Avian Flu *Curr Opin Infect Dis*. 2015;28(4):349-61. (PMID: 26098498)
- Suwantararat N**, Adams LL, Romagnoli M, Carroll KC. Fatal case of *Herbaspirillum seropedicae* bacteremia secondary to pneumonia in an end-stage renal disease patient with multiple myeloma. *Diagnostic Microbiology and Infectious Disease* 2015;82(4):331-3. (PMID: 25976156)
- Suwantararat N**, Rutjanawe S, Buppajarntham A, Carroll KC, Khawcharoenporn T, Apisarnthanarak A. Bacterial misidentification in a resource-limited microbiology laboratory setting and quality improvement strategies. *Journal of Patient Safety* 2015, Feb 24 [Epub ahead of print] (PMID: 25719819)
- Suwantararat N**, Dalton JB, Lee R, Green R, Memmon W, Carroll KC, Riedel S, Zhang SX. Large-scale Clinical Validation of a Lateral Flow Immunoassay for Detection of Cryptococcal Antigen in Serum and Cerebrospinal Fluid Specimens. *Diagnostic Microbiology and Infectious Disease*. 2015; 82(1):54-6. (PMID: 25698631)
- Suwantararat N**, Carroll, MD, Tekle T, Ross T, Popoola VO, Milstone AM. Low Prevalence of Mupirocin Resistance among Hospital-Acquired Methicillin-Resistant *Staphylococcus aureus* Isolates in a Neonatal Intensive Care Unit with an Active Surveillance Cultures and Decolonization Program. *Infection Control and Hospital Epidemiology* 2015;36(2):232-4. (PMID: 25633010)
- 2014 **Suwantararat N**, Roberts A, Prestridge J, Seeley R, Speser S, Harmon C, Zhang C, Henciak S, Stamper PD, Ross T, Carroll KC. Comparison of Five Chromogenic Media for the Recovery of Vancomycin Resistant Enterococci

(VRE) from Fecal Samples. *Journal of Clinical Microbiology* 2014;52(11):4039-42. (PMID: 25143571)

Suwantarat N, Carroll KC, Maragakis LL, Cosgrove S, Tekle T, Ross T, Milstone AM. High Prevalence of Reduced Chlorhexidine Gluconate Susceptibility in Organisms Causing Central Line Associated Infections. *Infection Control and Hospital Epidemiology*. 2014;35(9):1183-86. (PMID: 25111928) (Publication with Press release article)

Perez F, Hujer A, Marshall S, Ray A, Rather P, **Suwantarat N**, Dumford D, O'Shea P, Domitrovic NJ, Salata RA, Chavda KD, Chen L, Kreiswirth BN, Vila AJ, Haussler S, Jacobs MR, Bonomo RA. Extensively Drug Resistant (XDR) *Pseudomonas aeruginosa* harboring VIM-2 Metallo- β -lactamase and *Salmonella* Genomic Island 2: A New Genetic Resistance Determinant in Northeast Ohio. *Antimicrobial Agents and Chemotherapy*. 2014;58(10):5929-35. (PMID: 25070102)

Suwantarat N, Rudin SD, Marshall SH, Hujer AM, Perez F, Hujer CM, Domitrovic NJ, Dumford DM III, Donskey CJ, Bonomo RA. Infections caused by fluoroquinolone resistant *Escherichia coli* ST 131 after transrectal ultrasound-guided biopsy of the prostate. *Journal of Global Antimicrobial Resistance*. 2014; 1(2): 71-6 (PMID:25024933)

Suwantarat N, Lee R, Carroll KC, Zhang SX. Questionable Utility of Galactomannan Testing for Diagnosis of *Exserohilum rostratum* infection. *Journal Clinical of Microbiology*. 2014;52(7): 2742-3. (PMID: 24970643)

Suwantarat N, Romagnoli M, Wakefield T, Carroll KC. Ventriculoperitoneal Shunt Infection Caused by *Bifidobacterium breve*. *Anaerobe*. 2014;28:1-3. (PMID: 24755114)

Suwantarat N, Watkins T, Lee R, Carroll KC, Zhang SX. False positive reaction of L-Canavanine Glycine Bromothymol Blue medium with *Candida famata*. *Journal Clinical of Microbiology*. 2014; 52(4): 1308-9 (PMID: 24452165)

Rosko A, Corriveau M, **Suwantarat N**, Arfons L, Treasure M, Parker P, Jacobs M, Fu P, Salata R, Lazarus H. Vancomycin-Resistant Enterococci (VRE) Infection: Not Just for the Transplanted. *Leuk Lymphoma*. 2014; 55(6): 1320-5 (PMID 24024476)

2013 **Suwantarat N**, Dumford DM III, Ponce-Terashima R, Kundrapu S, Zabarsky T, Zhu H, Donskey CJ. Modification of Antimicrobial Prophylaxis Based on Rectal Culture Results to Prevent Fluoroquinolone-Resistant *Escherichia coli* Infections After Prostate Biopsy. *Infection Control and Hospital Epidemiology*. 2013; 34(9):973-6. (PMID:23917913)

Suwantarat N, Jacobs M. Photo Quiz: Positive blood culture in a patient with sickle cell crisis. *Journal Clinical of Microbiology*. 2013; 51(8):2475 (PMID:23861544)

Suwantarat N, Jacobs M. Answer to photo quiz: *Klebsiella pneumoniae* bacteremia showing filamentous forms and spheroplasts due to the presence of subinhibitory concentrations of beta-lactams. *Journal Clinical of Microbiology*. 2013; 51(8):2807 (PMID:23861545)

- Lin D, **Suwantarat N**, Bornemann M. Cholestyramine for thyrotoxicosis? *J Fam Pract.* 2013; 62(4): E1-2. (PMID: 23570035)
- Suwantarat N**, Bobak D. Fecal Bacteriotherapy for Recurrent *Clostridium difficile* Infection: What's Old Is New Again? *Curr Infect Dis Rep.* 2013; 15(2): 101-3. (PMID: 23549617)
- Dumford D, **Suwantarat N**, Bhasker V, Kundrapu S, Zabarsky TF, Drawz P, Donskey CJ. Outbreak of fluoroquinolone-resistant *Escherichia coli* infections after transrectal ultrasound-guided biopsy of the prostate. *Infection Control and Hospital Epidemiology.* 2013 ;34(3): 269-73. (PMID: 23388361)
- 2012 **Suwantarat N**, Tice A, Koss W, Lin D, Chow D. Histologically Confirmed Necrotizing Fasciitis; Risk factors, Microbiology and Mortality in Hawaii. *International Journal of Infectious Disease.* 2012; 16(12): e886-7 (PMID: 22763318).
- Sarasombath O, **Suwantarat N**, Tice A, Arakaki R. Changes in Fasting Plasma Glucose levels with ribavarin and pegylated interferon treatment in patients with chronic hepatitis C. *Hawaii J Med Public Health.* 2012; 71(5): 129-131 (PMID: 22737650).
- 2011 Chaiwongkajohn S, Pramyothin P, **Suwantarat N**, Bankowski M, Koyamatsu T, Seifried E, Bello E. A report of the first case of Vancomycin-Intermediate *Staphylococcus aureus* in Hawaii. *Hawaii Medical J.* 2011; 70(11): 233-236 (PMID: 22162601).
- Tantisattamo E, **Suwantarat N**, Vierra J, Evans S. Atypical Presentations of Methemoglobinemia from Benzocaine Spray. *Hawaii Med J.* 2011; 70(6): 125-126. (PMID: 22162610)
- Suwantarat N**, Bobak D. Status of Nonantibiotic Adjuvant Therapy for *Clostridium difficile* Colitis. *Curr Infect Dis Rep.* 2011; 13: 21-27 (PMID: 21308451).
- 2010 Lin D, **Suwantarat N**, Young R. Lemierre's Syndrome Mimicking Leptospirosis. *Hawaii Med J*, 2010; 69:161-163 (PMID: 20680923).
- Suwantarat N**, Tice A, Khawcharoenporn T, Chow D. Weight loss, leukopenia and thrombocytopenia associated with sustained virologic response to Hepatitis C treatment. *Int. J. Med. Sci.* 2010, 7:36-42 (PMID: 20107528).
- Lin D, **Suwantarat N**, Kwee S, Miyashiro M. Cushing's syndrome caused by an ACTH-producing large cell neuroendocrine carcinoma of the gallbladder. *World J Gastrointest Oncol.* 2010; 2: 56-58 (PMID: 21160818).
- 2009 **Suwantarat N**, Tice A, Chow D, Howman S, Koss W. "Necrotizing Fasciitis; Incidence, Mortality Risk factors and Microbacterial Profile among patient in Hawaii. *Hawaii Med J* 2009; 68: 196. (Abstract)
- Sarasombath O, **Suwantarat N**, Tice A, Arakaki R. The effect of antiviral therapy in chronic hepatitis C: Improvement in Fasting Plasma Glucose levels in patients with Impaired Fasting Glucose. *Hawaii Med J* 2009; 68: 187. (Abstract)
- Suwantarat N**, Chow D, Shikuma C. Proteinuria in HIV infected patients: Hawaii population. *Hawaii Med J* 2009; 68: 185. (Abstract)

- Suwantararat N**, Bankowski M, Eshoo M, Young R. Murine Typhus and Direct Support for a Diagnosis Using Multiplex PCR and Mass Spectrometry; An 89-year-old Female from Molokai with an Acute Febrile Illness; A case Report and Review of the Literature. *Hawaii Med J* 2009; 68: 188. (Abstract)
- Chaiwongkajohn S, Pramyothin P, **Suwantararat N**, Bankowski M, Koyamatsu T, Seifried T, Berman S, Bello E. The First Case of Vancomycin-Intermediate *Staphylococcus aureus* in Hawaii. *Hawaii Med J* 2009; 68: 189. (Abstract)
- 2008 **Suwantararat N**, Khawchoroenporn T, Chentanez T, Tice A. Treatment outcomes among patients with hepatitis C in Hawaii. *Hawaii Med J. Published in abstract form and online power-point presentation access at* <http://www.hmaonline.net>.
- 2006 **Suwantararat N**, Srisawat C, Robsanthisuk W, Neungton N. Microalbuminuria analysis in Thai patients with diabetes and hypertension using albumin blue 580 fluorescence assay. *Siriraj Med J.* 2006; 58: 1050-1053.
- 2005 **Suwantararat N**. An assessment of a fluorescence assay using albumin blue 580 for urinary microalbumin quantitation. *Siriraj Med J.* 2005; 57: (Abstract)

Ongoing Research Projects and Grant Awards

Incidence and Risk Factors for colonization of Multidrug-Resistance Organisms (MDROs) among Patients Undergoing Elective Orthopedic Surgery at Thammasat University Hospital

Anaerobic bacteremia among Thai patients: prevalence, risk factors, outcomes and antimicrobial resistance

Mentor: Anucha Apisarnthanarak, MD., Karen C Carroll, MD.

Received Young Academic Investigator Grant, Thai Research Fund (May 2016-2018)

Anaerobic Infection among patients at Thammasat University Hospital: prevalence, risk factors, outcomes and antimicrobial resistance

Co-investigators: Anucha Apisarnthanarak

Research proposal is accepted by National Thammasat University Research Fund (2016-2017).

Impact of Rapid Organism Identification using Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry (VITEK® MS) on Microbiology Laboratory Improvement and Patient Outcomes in a Resource-Limited Setting

Co-investigator: Anucha Apisarnthanarak, MD., Karen C Carroll, MD.

Increasing Prevalence of Gram-negative Bacteremia in a Thai Medical Center during 2010-2015: the Role of Hospital-Associated Infections?

Co-investigator: Thana Khawchareonporn, MD, MSc, Anucha Apisarnthanarak, MD.

Molecular Epidemiology of *E. coli* ST 131 infection in Southeast Asia.

Co-investigators: Anucha Apisarbthanarak, MD., James Johnson, MD, David Lye, MD.

Multi-center study is ongoing in Singapore and Thailand (data collection and analysis) and collaboration with USA institute (Dr. Johnson).

Risk Factors Associated with MDRGN Colonization in Children Admitted to the PICU

Mentor: Pranita Tamma, MD, MHS, Aaron Milstone, MD MHS, Robert A Bonomo, MD, Karen Carroll, MD.

Risk factor analysis study is process.

Phenotypic and molecular genetic resistance detection using multiplex PCR analysis (CheckPoints™ assay), Multi Locus Sequencing Typing (MLST), Pulse Field Gel Electrophoresis (PFGE), rep-PCR based DNA fingerprinting system (DiversiLab system).

The Prevalence and Risk Factors Associated with *Streptococcus pseudoporcinus* Colonization in pregnancy women

Mentor, Karen Carroll, MD, Frank Witter, MD.

Molecular Characterization of MRSA Pulmonary Infection in Cystic Fibrosis and Antimicrobial Susceptibility Pattern of Small-colony variant MRSA

Mentor: Michael Boyle, MD, Karen Carroll, MD.

Manuscript is in preparation for submission.

Relationship between Chlorhexidine Gluconate Skin Concentration Using a Novel Colorometric Method and Microbial Density on the Skin of Neonate Critically Ill Patients Bathed with Chlorhexidine Gluconate

Mentor: Aaron Milstone, MD MHS, Karen Carroll, MD.

Previous research experience.

Novel technology for Mycobacterial tuberculosis diagnosis (BD Diagnostics)

Mentor: Nicole Parrish, PhD.

Reference site for *M. tuberculosis* identification and multidrug resistance gene detection using line-probe assay (Hain Life science)

Prospective Clinical Evaluation of the FilmArray Meningitis/Encephalitis (ME) Panel (BioFire Diagnostics)

Mentor: Karen Carroll, MD

Monitoring of Ozenoxacin Antibacterial Activity Against Worldwide Isolates

Mentor: Karen Carroll, MD.

Cost Effectiveness Analysis of Fluoroquinolone-Resistant *Escherichia coli* Infection Following Prostate Biopsy

Mentor: Curtis Donskey, MD., Mendel Singer, MPH, PhD.

Relationship of Glycemic Control on Clinical Outcomes and mortality diabetic patients with blood stream infections

Mentor: Robert Bonomo, MD., Federico Perez, MD.

Natural History of Chronic Hepatitis B infection

Mentor; Dr. Naoki Tsai and Dr. Anna Lok (University of Michigan) (NIH proposal submitted) Participated in patient's data collection (2005-2007).

Clinical Evaluation of the Xpert™ MRSA/SA Assay In Nasal Swabs"

Mentor; Matthew J. Bankowski, Ph.D., D (ABMM)

Aptamer Selection for Dengue virus envelop protein

Mentor; Chatchawan Srisawat, MD, PhD.

HONORS AND AWARDS

- 2016 **Thammasat University Publication Award 2016**
- 2015 **Thammasat University Publication Award 2015**
Awarded for medical articles and research publication
Outstanding abstracts in the Clinical research Pathology Young Investigators' Day 2015
Pathology Department, Johns Hopkins University School of Medicine
- 2013 **IDWeek 2013 Trainee Awards**
Awarded to trainee who submitted excellent research.
- 2012 **IDWeek 2012 Trainee Awards**
Awarded to trainee who submitted excellent research.
ICAAC 2012 ID Fellows Grant Program
Offer selected ID fellow to attend and participate ICAAC meeting, special educational and career development program
- 2010 **UHIMRP Excellence in Research Award winner**
Merit honors for resident who performs the best performance in researches and publications.
University of Hawaii Internal Medicine Residency program.
- 2009 **First Place Poster presentation award**
ACP Annual Scientific Regional Meeting, Honolulu, HI, January 10, 2009. "The First Case of Vancomycin-Intermediate *Staphylococcus aureus* in Hawaii"
- 2008 **Highest scores; from Standard care of Diabetic patient Evaluation-Queen Emma Clinic. (Continuity-Outpatient Clinic)**
- 2002 **Outstanding Medical Student Award**
Department of Pediatrics, Faculty of Medicine, Siriraj Hospital, Mahidol University. Merit honors based on Academic competency.
- 2001 **Bronze Medal and Sekarit Award.**
Awarded for medical student who obtains the highest score in ENT, Mahidol University
- 2000 **Department of Surgery Award**
Awarded for medical student who obtains the highest score in Surgery

PROFESSIONAL EXPERIENCE

2014 **Team member**
Collage of American Pathology (CAP) inspection,
microbiology laboratory

2012-2013 **Chief Infectious Disease Fellow**
Case Western Reserve University, Cleveland, OH

2010-2013 **Clinical Teaching Assistant.**
Case Western Reserve University. Assist attending for
supervisor medical student, resident during Infectious Disease
rotation.
Presentations
Phillip I. Lerner Citywide Conference. (Infectious Disease Case
Conference for Cleveland Hospital), Richard C. Graham Case
Conference (Infectious Disease Case weekly Conference),
Infectious Disease Journal Club

2007-2010 **Clinical Teaching Assistant.**
Department of Medicine, John A. Burns School of Medicine,
University of Hawaii. Assist attending for supervisor medical
student during Internal Medicine rotation.

Feb-June 2007 **General Practitioner**
Bangpai General Hospital, Bangkok Thailand

Oct-Nov 2006 **Clinical Observership**
Akron General Medical Center, Akron, OH.

October 2006 **Clinical Observership**
Albert Einstein Medical Center, Philadelphia, PA.

June-July 2006 **Clinical Observership**
Under supervision by Dr. Henry K. Chen, Sacred Heart
Hospital and Family Practice Clinic, Chicago, IL

2004-2006 **Instructor**, Department of Biochemistry, Faculty of Medicine,
Siriraj Hospital, Mahidol University
Lectured second year medical students, Nursing students, Sport
Science students and Medical Science Technician students.
General Practitioner,
Faculty of Medicine Siriraj Hospital, Mahidol University

2003-2004 **Clinical Internship**,
Photharam General Hospital, Ratchaburi, Thailand and
Bangphae Community Hospital, Ratchaburi, Thailand

PROFESSIONAL MEMBERSHIP

2016-present Royal Thai College of Physician
Infectious Disease Association of Thailand

2014-present Collage of American Pathology

2010-present Infectious Disease Society of America
American Society of Microbiology
American Board of Internal Medicine

2007-present American College of Physicians. Associate member.

2003-present Medical Council of Thailand

2003-present Siriraj Medical Alumni Association

EXTRACURRICULAR ACTIVITIES

- 2012 **Interviewed**, "UH Attracts the Brightest New Doctors", University Hospitals Case Medical Center Annual report 2011.
- 2011 **Successful Audit**, Introduction to Clinical Research Summer Course (CRSP 401), Case Western Reserve University
- 2009 **Staff and presented**, Orientation for International medical graduation residents" June 2009 and "Research work shop for intern retreat" September 2009.
- 2008 **Staff**, Orientation for International medical graduation residents. June 2008.
Staff and presented; Academic half day projects; in topic "The way to achieve your dream; Fellowship preparation" October 2008.
- 2005-2006 **Committee**, Hospital Accreditation Management Team, Faculty of Medicine, Siriraj Hospital, Mahidol University
- 2005 **Editor**, e-Public Library, Faculty of Medicine, Siriraj Hospital
Published medical articles in Thai language in www.sirirajonline.com
- 2003 **Committee**, Dengue Hemorrhagic Fever Prevention Project
Promoted community awareness and prevention of DHF in Rajburi, Thailand
- 1999 **Committee**, the 20th Asian Medical Student Conference, Bangkok, Thailand. Coordinated and organized activities for participants from various member countries
- 1998-2002 **Member**, Asian Medical Student Association (AMSA)
- 1997 **Vice President**, Medical Students' Club committee, Faculty of Medicine, Siriraj Hospital

Associate Professor Thomas Gottlieb

MB BS, FRACP, FRCPA

Infectious Diseases Physician and Microbiologist.
Concord Hospital, Sydney and University of Sydney, NSW

Dr. Gottlieb is the immediate past president of the Australian Society for Antimicrobials (ASA) and past president of the Australasian Society for Infectious Diseases (ASID). He has been chair of advisory committees supervising training in Infectious Diseases and Microbiology, and has participated in the writing groups for the Australian Infection Control Guidelines and the national Therapeutic Guidelines for Antibiotic. His interests include the diagnosis and management of clinical infectious diseases, education in infectious diseases, hospital infection control management, antimicrobial resistance and antimicrobial stewardship.



Resume
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Associate Professor, Department of Microbiology
Faculty of Medicine Siriraj Hospital, Mahidol University

Born July 7, 1968
Home address 13/204 Soi 9 Nantawan (Pin-Klao), Kanchanapisek Rd., Bangpai, Bangkae, Bangkok 10160.
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Education:

April 1-30, 2002: Exchange scholar, Department of Bacteriology, Juntendo University, Tokyo, Japan.
1999-2001: Postdoctoral fellow, Department of Microbiology and Infectious Diseases, University of Calgary, Alberta, Canada.
1994-1999: Ph.D., Department of Microbiology and Immunology, Rosalind Franklin University of Medicine and Science, North Chicago, Illinois, USA.
1987-1993: M.D., Faculty of Medicine Siriraj Hospital, Mahidol University, Bangkok, Thailand.

Experience:

Teaching experience

Present: Associate Professor, Department of Microbiology, Mahidol University, Bangkok, Thailand.
1995-1999: Teaching assistant, in Medical Microbiology and Immunology class for medical students. Rosalind Franklin University of Medicine and Science, North Chicago, IL, USA.
1993-1994: Instructor, Department of Microbiology, Mahidol University, Bangkok, Thailand.

Administration

2016-2017: Vice President, National Science and Technology Development Agency (NSTDA)
2015-2016: President, Siriraj Medical Staff Organization
2015: Assistant Dean for International Relations (Dean Prasit Watanapa)
2010-2015: Assistant Dean for International Relations (Dean Udom Kachintorn)
2010: Assistant Dean for International Relations and Centers of Excellence (Dean Theerawat Kulthanant)

Health Policies and Scientific Committees

2001-Present: Committee/Trainer, Society of Nosocomial Infection Control of Thailand
2004-2014: Committee, National Antimicrobial Resistance Surveillance Center, Department of Medical Science, Ministry of Public Health, Thailand (NARST)
2014-present: Expert, Department of Livestock Development (DLD), Ministry of Agriculture and Cooperatives, Thailand
2015: Scientific Committee for Global Health Policy, Prince Mahidol Award Conference (PMAC)
May 18-26, 2015: Thai Delegate for World Health Assembly 68 (WHA68) on Antimicrobial Resistance (AMR), Geneva, Switzerland

October 5, 2017: Invited Thai representative for United Nations Conference on Trade and Development (UNCTAD) for a presentation on the topic of "Thailand's Approach to Combating Antibiotic Resistance"

Training Experience

October 2 – 31, 2006: Trainer for WHO Fellows: Study on Microbiology Emphasizing on Molecular studies of *Pseudomonas*: Antimicrobial Resistance and Nosocomial infections

2014-2016: Trainer for Surveillance of Antimicrobial Resistance in Animal Meat, Department of Livestock Development (DLD), Ministry of Agriculture and Cooperatives, Thailand

September, 2014: Trainer, Workshop on "Strategic Action Plan on Control, Prevention and Containment of Antimicrobial Resistance associated with Food Animals in ASEAN countries", WHO Collaborative Center for Antimicrobial Resistance in Animal, Faculty of Veterinary Science, Chulalongkorn University

Research interest

Antibiotic resistance, nosocomial bacteria, molecular typing, infection and immunity:

1. Mechanisms of cephalosporin and class A beta-lactamase inhibitor resistance in *Burkholderia pseudomallei*.
2. Characterization of plasmid-borne AmpC beta-lactamase in Gram-negative bacteria.
3. Enzyme kinetics analyses of metallo-beta-lactamases, IMP-14 and IMP-15, from *Pseudomonas aeruginosa*.
4. Production of antibodies against an imipenem outer membrane porins, OprD and OprF, from *Pseudomonas aeruginosa*.
5. Molecular typing of pan-drug resistant nosocomial pathogens: *Acinetobacter baumannii* and Methicillin-resistant *Staphylococcus aureus* (MRSA).
6. Characterization of Community-acquired Methicillin-resistant *Staphylococcus aureus* (CA-MRSA) Thai isolate.
7. Fluoroquinolone resistance via *gyrA* and *qnrA* genes in *Escherichia coli*.
8. Study of Extended-spectrum beta-lactamases (ESBLs) in Gram-negative bacteria.
9. Study of the Integron element, a multiple antibiotic resistance gene capturing elements, and their horizontal gene transfer in Gram-negative bacteria.
10. Molecular epidemiology of multi-drug resistant nosocomial pathogens.
11. Molecular epidemiology of *Neisseria gonorrhoeae* and emerging *bla*_{TEM-135}, an ESBL precursor gene.
12. Study of enteropathogenic *Escherichia coli* and *Salmonella enterica* from food producing animals, their international spread and resistance genes.
13. Molecular Epidemiology of *Clostridium difficile* isolated from human and pigs.

Publications

1. Lugsomya K, Yindee J, Niyomtham W, **Tribuddharat C**, Tummaruk P, Hampson DJ, Prapasarakul N. Antimicrobial Resistance in Commensal *Escherichia coli* Isolated from Pigs and Pork Derived from Farms Either Routinely Using or Not Using In-Feed Antimicrobials. *Microb Drug Resist*. 2018 Sep;24(7):1054-1066.
2. **Tribuddharat C**, Srifuengfung S. Multiple drug resistance in *Haemophilus influenzae* isolated from patients in Bangkok, Thailand. *J Glob Antimicrob Resist*. 2017 Jun;9:121-123.
3. **Tribuddharat C**, Pongpech P, Charoenwatanachokchai A, Lokpichart S, Srifuengfung S, Sonprasert S. Gonococcal Antimicrobial Susceptibility and Prevalence of *bla*_{TEM-1}, *bla*_{TEM-135} Genes in Thailand. *Jpn J Infect Dis*. 2017 Mar 24;70(2):213-215. doi: 10.7883/yoken. JJID.2016.209. Epub 2016 Aug 31.
4. **Tribuddharat C**, Pongpech P, Srifuengfung S, Meethai C. Prevalence and drug susceptibility of *Salmonella* isolated from patients in Bangkok, Thailand. *J Glob Antimicrob Resist*. 2016 Sep;6:162-4. doi: 10.1016/j.jgar.2016.05.004.
5. Jitwasinkul T, Suriyaphol P, Tangphatsomruang S, Hansen MA, Hansen LH, Sørensen SJ, Permpikul C, Rongrungruang Y, **Tribuddharat C**. Plasmid metagenomics reveals multiple antibiotic resistance gene

- classes among the gut microbiomes of hospitalised patients. *J Glob Antimicrob Resist*. 2016 Sep;6:57-66. doi: 10.1016/j.jgar.2016.03.001.
6. **Tribuddharat C**, Pongpech P, Charoenwatanachokchai A, Lokpichart S, Srifuengfung S, Sonprasert S. Gonococcal Antimicrobial Susceptibility and Prevalence of *bla*_{TEM-1}, *bla*_{TEM-135} Genes in Thailand. *Jpn J Infect Dis*. 2016 Aug 31.
 7. Pagdepanichkit S, **Tribuddharat C**, Chuanchuen R. Distribution and expression of the Ade multidrug efflux systems in *Acinetobacter baumannii* clinical isolates. *Can J Microbiol*. 2016 Apr 28:1-8.
 8. Disratthakit A, Prammananan T, **Tribuddharat C**, Thaisittikul I, Doi N, Leechawengwongs M, Chaiprasert A. Role of gyrase mutations in pre-extensively and extensively drug-resistant Tuberculosis in Thai clinical isolates. *Antimicrob Agents Chemother*. 2016 Aug 22;60:5189-5197.
 9. Srifuengfung S, **Tribuddharat C**, Sapcharoen S, Nitayanon P. Prevalence of M Protein Gene in Group C and Group G Streptococci Isolated from Patients in Thailand. *Jpn J Infect Dis*. 2016 May 9.
 10. Prombhul S, **Tribuddharat C**, Laikijrungs P, Aranya C, Bamrungsri N, Mekviwattanawong S. New variant of an imipenemase, IMP-32, in *Klebsiella pneumoniae* from a fatal case of a Thai patient. *J Med Microbiol*. 2016 Jun;65(6):572-3. doi: 10.1099/jmm.0.000252. Epub 2016 Mar 22.
 11. Srifuengfung S, **Tribuddharat C**, Phoomniyom S, Chuanphung S. Prevalence and antimicrobial susceptibility of *Haemophilus influenzae* and *Moraxella catarrhalis* isolated from patients in Bangkok, Thailand. In Press, Corrected Proof, Available online 30 November 2015.
 12. Pokhrel RH, Thapa B, Kafle R, Shah PK, **Tribuddharat C**. Co-existence of beta-lactamases in clinical isolates of *Escherichia coli* from Kathmandu, Nepal. *BMC Res Notes*. 2014 Oct 7;7:694. doi: 10.1186/1756-0500-7-694.
 13. Kositanont U, Wanna W, Duangchawee G, **Tribuddharat C**. Characterization of recombinant Flagellin B protein from *Leptospira interrogans*. *Southeast Asian J Trop Med Public Health*. 2014 Vol 45 No. 5: 1-10.
 14. Poonsuk K, **Tribuddharat C**, Chuanchuen R. Simultaneous overexpression of multidrug efflux pumps in *Pseudomonas aeruginosa* non-cystic fibrosis clinical isolates. *Can J Microbiol*. 2014 Jul;60(7):437-43. doi: 10.1139/cjm-2014-0239.
 15. Chanchaithong P, Perreten V, Schwendener S, **Tribuddharat C**, Chongthaleong A, Niyomtham W, Prapasarakul N. Strain typing and antimicrobial susceptibility of methicillin-resistant coagulase-positive staphylococcal species in dogs and people associated with dogs in Thailand. *J Appl Microbiol*. 2014 May 16. doi: 10.1111/jam.12545.
 16. Pulsrikarn C, Pornreongwong S, **Tribuddharat C**, Meethai C, Srifuengfung S. Serogroup and serovar distribution of *Salmonella* in Siriraj Hospital. *Siriraj Med J*. 2013;65(6):S34-S37.
 17. Srifuengfung S, **Tribuddharat C**. Antibody detection for determining prevalence of *Helicobacter pylori* infection. *Siriraj Med J*. 2013;65(6):S43-S45.
 18. Srifuengfung S, Phongsamart W, **Tribuddharat C**, Chatsuwat T, Rungnobbhakhun P, Sapcharoen S, Chokephaibulkit K. Serotype distribution and antibiotic susceptibility of invasive *Streptococcus pneumoniae* isolates in patients aged 50 years or older in Thailand. *Hum Vaccin Immunother*. 2014 Jan 1;10(1):40-4. doi: 10.4161/hv.26418.
 19. Poonsuk K, **Tribuddharat C**, Chuanchuen R. Aminoglycoside resistance mechanisms in *Pseudomonas aeruginosa* isolates from non-cystic fibrosis patients in Thailand. *Can J Microbiol*. 2013 Jan;59(1):51-6.
 20. Chaisatit C, **Tribuddharat C**, Pulsrikarn C, Dejsirilert S. (2012). Molecular characterization of antibiotic-resistant bacteria in contaminated chicken meat sold at supermarkets in Bangkok, Thailand. *Japanese Journal of Infectious Diseases*, 65(6), 527-34.
 21. Thapa B, **Tribuddharat C**. (2012). Molecular characterization of *Citrobacter freundii* isolated from neonates in Neonatal Intensive Care Unit of Nepal. *Journal of Nepal Paediatric Society*, 32(2), 132-135.
 22. Poonsuk K, **Tribuddharat C**, Chuanchuen R. (2012). Class 1 integrons in *Pseudomonas aeruginosa* and *Acinetobacter baumannii* isolated from clinical isolates. *Southeast Asian Journal of Tropical Medicine and Public Health*, 43(2), 376-384. PMID: 23082590.
 23. Nakayama S, **Tribuddharat C**, Prombhul S, Shimuta K, Srifuengfung S, Unemo M, Ohnishi M. Molecular analyses of TEM genes and their corresponding penicillinase-producing *Neisseria gonorrhoeae* isolates in Bangkok, Thailand. *Antimicrob Agents Chemother*. 2012, 56(2):916-920.

24. Padungtod P, **Tribuddharat C**, Chuanchuen R. Widespread presence of *dfrA12* and its association with *dfrA12-aadA2* cassette in *Salmonella enterica* isolates from swine. *Southeast Asian J Trop Med Public Health*. 2011 Nov;42(6):1471-1476.
25. Thapa B, **Tribuddharat C**, Mahat Basnet S. Emergence of oligoclonal *Acinetobacter baumannii* nosocomial infection in a Hospital in Nepal. *African J Microbiol Res*. 2011;5: 5872-5876.
26. Srifuengfung S, **Tribuddharat C**, Chokephaibulkit K, Comerungsee S. Fluoroquinolone resistance in *Streptococcus pneumoniae* from a university hospital, Thailand. *J Med Assoc Thai*. 2010 Nov;93 Suppl 5:S35-9.
27. Srifuengfung S, Chokephaibulkit K, **Tribuddharat C**, Comerungsee S. A description of antimicrobial susceptibility of *Streptococcus pneumoniae*-Siriraj Hospital, Thailand: 2008. *J Med Assoc Thai*. 2010 Nov;93 Suppl 5:S27-34.
28. **Tribuddharat C**, Polwichai P, Champreeda P, Srifuengfung S. The sequence of *pbp2b* from penicillin-resistant *Streptococcus pneumoniae* in Thailand. *J Med Assoc Thai*. 2010 Nov;93 Suppl 5:S16-26.
29. Jariyasethpong T, **Tribuddharat C**, Dejsirilert S, Kerdsin A, Tishyadhigama P, Rahule S, Sawanpanyalert P, Yosapol P, Aswapokee N. MRSA carriage in a tertiary governmental hospital in Thailand: emphasis on prevalence and molecular epidemiology. *Eur J Clin Microbiol Infect Dis*. 2010 Aug;29(8):977-85.
30. Thapa B, **Tribuddharat C**, Srifuengfung S, Dhiraputra C. High prevalence of *bla(OXA)-23* in oligoclonal carbapenem-resistant *Acinetobacter baumannii* from Siriraj Hospital, Mahidol University, Bangkok, Thailand. *Southeast Asian J Trop Med Public Health*. 2010 May;41(3):625-35.
31. Naenna P, Noisumdaeng P, Pongpech P, **Tribuddharat C**. Detection of outer membrane porin protein, an imipenem influx channel, in *Pseudomonas aeruginosa* clinical isolates. *Southeast Asian J Trop Med Public Health*. 2010 May;41(3):614-24.
32. Srifuengfung S, **Tribuddharat C**, Comerungsee S, Chatsuwat T, Treerathanaweeraphong V, Rungnobbhakhun P, Nunthapisud P, Chokephaibulkit K. Serotype coverage of pneumococcal conjugate vaccine and drug susceptibility of *Streptococcus pneumoniae* isolated from invasive or non-invasive diseases in central Thailand, 2006-2009. *Vaccine*. 2010 Mar 1.
33. Thapa B, **Tribuddharat C**, Rugdeekha S, Techachaiwiwat W, Srifuengfung S, Dhiraputra C. Rifampin resistance in carbapenem-resistant *Acinetobacter baumannii* in Siriraj Hospital, Thailand. *Nepal Med Coll J*. 2009 Dec;11(4):232-7.
34. Sirichot S, Diraphat P, Utrarachkij F, **Tribuddharat C**, Siripanichgon K. Dissemination of class I integron in *Acinetobacter baumannii* isolated from ventilator-associated pneumonia patients and their environment. *Southeast Asian J Trop Med Public Health*. 2009 Nov;40(6):1284-92.
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36. Srifuengfung S, **Tribuddharat C**, Champreeda P, Daniels J, Chokephaibulkit K, Wongwan N, Polwichai P. Antimicrobial susceptibility of *Streptococcus pneumoniae* isolated from patients with respiratory tract infections in Thailand. *Southeast Asian J Trop Med Public Health*. 2008 May;39(3):461-6.
37. Pongpech P, Naenna P, Taipobsakul Y, **Tribuddharat C**, Srifuengfung S. Prevalence of extended-spectrum beta-lactamase and class 1 integron integrase gene *intI1* in *Escherichia coli* from Thai patients and healthy adults. *Southeast Asian J Trop Med Public Health*. 2008 May;39(3):425-33.
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39. Paitoonpong L, Chitsomkasem A, Chantrakooptungool S, Kanjanahareutai S, **Tribuddharat C**, Srifuengfung S. *Bartonella henselae*: first reported isolate in a human in Thailand. *Southeast Asian J Trop Med Public Health*. 2008 Jan;39(1):123-9.
40. Srifuengfung S, Tharavichitkul P, Pumprueg S, **Tribuddharat C**. *Roseomonas gilardii* subsp. *rosea*, a pink bacterium associated with bacteremia: the first case in Thailand. *Southeast Asian J Trop Med Public Health*. 2007 Sep;38(5):886-91.
41. Srifuengfung S, Chayakulkeeree M, Chokephaibulkit K, **Tribuddharat C**. Five-year study of antimicrobial susceptibility and beta-lactamase production in *Haemophilus influenzae*. *Southeast Asian J Trop Med Public Health*. 2007 Jul;38(4):732-6.

42. Srifeungfung S, Chokeyhaibulkit K, **Tribuddharat C**. Serotypes and antimicrobial susceptibilities of *Streptococcus pneumoniae* isolated from hospitalized patients in Thailand. *Southeast Asian J Trop Med Public Health*. 2007 May;38(3):469-77.
43. Tiengrim S, **Tribuddharat C**, Thamlikitkul V. In vitro activity of tigecycline against clinical isolates of multidrug-resistant *Acinetobacter baumannii* in Siriraj Hospital, Thailand. *J Med Assoc Thai*. 2006 Nov;89 Suppl 5:S102-5.
44. Thamlikitkul V, Tiengrim S, **Tribuddharat C**. Comment on: High tigecycline resistance in multidrug-resistant *Acinetobacter baumannii*. *J Antimicrob Chemother*. 2007 Jul;60(1):177-8.
45. Kositanont U, Chotinantakul K, Phulsuksombati D, **Tribuddharat C**. Assessment of Southern blot ribotyping for differentiation of *Leptospira* strains isolated from field rats. *Journal of microbiological methods*. 2007 May;69(2):288-97.
46. Wilailuckana C, **Tribuddharat C**, Tiensasitorn C, Pongpech P, Naenna P, Rugdeekha S, Dhiraputra C, Danchaivijitr S. Discriminatory powers of molecular typing techniques for methicillin-resistant *Staphylococcus aureus* in a university hospital, Thailand. *Southeast Asian J Trop Med Public Health*. 2006 Mar; 37(2):327-34.
47. Danchaivijitr S, Suwanasuthi P, **Tribuddharat C**, Dhiraputra C, Pumsuwan V, Pakaworavuthi S. A study on the application of pasteurization of medical equipment. *Journal of the Medical Association of Thailand = Chotmaihet thangphaet*. 2005 Dec; 88 Suppl 10:S183-7.
48. Noparat W, Siripanichakorn K, **Tribuddharat C**, Danchaivijitr S. Persistence of antimicrobial effect of antiseptics in surgical hand hygiene regimens. *Journal of the Medical Association of Thailand = Chotmaihet thangphaet*. 2005 Dec; 88 Suppl 10:S177-82.
49. Srisupan V, Senaratana W, Picheansatian W, Chittreechur J, Watanakool M, Chaisri P, Singhakumfu L, **Tribuddharat C**, Danchaivijitr S. Reduction of the incidence of pressure sores by an education program on nursing care. *Journal of the Medical Association of Thailand = Chotmaihet thangphaet*. 2005 Dec; 88 Suppl 10:S166-70.
50. Trakoolsomboon S, Kachintorn K, Cherdrunsi R, Sangsirivuthi K, **Tribuddharat C**, Danchaivijitr S. Effectiveness and microbial contamination of an in-house alcohol-based hand rub. *Journal of the Medical Association of Thailand = Chotmaihet thangphaet*. 2005 Dec; 88 Suppl 10:S161-5.
51. Nanta P, Senarat W, **Tribuddharat C**, Danchaivijitr S. Cost-effectiveness and safety of reusable tracheal suction tubes. *Journal of the Medical Association of Thailand = Chotmaihet thangphaet*. 2005 Dec; 88 Suppl 10:S86-8.
52. Dhiraputra C, **Tribuddharat C**, Pongpech P, Chokeyhaibulkit K, Danchaivijitr S. Endemic *Serratia marcescens* in a neonatal intensive care unit. *Journal of the Medical Association of Thailand = Chotmaihet thangphaet*. 2005 Dec; 88 Suppl 10:S10-3.
53. Chayakulkeeree M, Junsriwong P, Keerasuntonpong A, **Tribuddharat C**, Thamlikitkul V. Epidemiology of extended-spectrum beta-lactamase producing gram-negative bacilli at Siriraj Hospital, Thailand, 2003. *The Southeast Asian journal of tropical medicine and public health*. 2005 Nov;36(6):1503-9.
54. Srifeungfung S, **Tribuddharat C**, Yungyuen T, Wensentia T. Respiratory tract infection caused by bacteria (non-Mycobacterium) and their antibiogram in HIV-positive patients. *The Southeast Asian journal of tropical medicine and public health*. 2005 May; 36(3):709-12.
55. Srifeungfung S, Thammawart S, Leelarasamee A, Chokeyhaibulkit K, Dejsirilert S, **Tribuddharat C**. Pneumococci: drug susceptibilities and preliminary epidemiological studies by penicillin binding protein genotyping. *The Southeast Asian journal of tropical medicine and public health*. 2005 May; 36(3):658-62.
56. Srifeungfung S, **Tribuddharat C**, Yungyuen T. Bacterial study of autopsy specimens. *Journal of the Medical Association of Thailand = Chotmaihet thangphaet*. 2005 May;88(5):643-6.
57. Srifeungfung S, Chokeyhaibulkit K, Yungyuen T, **Tribuddharat C**. Bacteremia and antimicrobial susceptibilities in HIV-infected patients at Siriraj Hospital. *The Southeast Asian journal of tropical medicine and public health*. 2005 Mar; 36(2):347-51.
58. Srifeungfung S, Chokeyhaibulkit K, Yungyuen T, **Tribuddharat C**. Salmonella meningitis and antimicrobial susceptibilities. *The Southeast Asian journal of tropical medicine and public health*. 2005 Mar;36(2):312-6.
59. **Tribuddharat C**, Moore RA, Baker P, Woods DE. *Burkholderia pseudomallei* class A beta-lactamase mutations that confer selective resistance against ceftazidime or clavulanic acid inhibition. *Antimicrobial agents and chemotherapy*. 2003 Jul;47(7):2082-7.

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61. **Tribuddharat C**, Fennewald M. Resistance genes in multiply resistant *Pseudomonas aeruginosa* clinical isolates from Siriraj Hospital. *Siriraj Hospital Gazette*. 2002 June; 54 (6): 319-329.
62. Gibb AP, **Tribuddharat C**, Moore RA, Louie TJ, Krulicki W, Livermore DM, et al. Nosocomial outbreak of carbapenem-resistant *Pseudomonas aeruginosa* with a new *bla*_{IMP} allele, *bla*_{IMP-7}. *Antimicrobial agents and chemotherapy*. 2002 Jan;46(1):255-8.
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64. Girlich D, Poirel L, Leelaporn A, Karim A, **Tribuddharat C**, Fennewald M, et al. Molecular epidemiology of the integron-located VEB-1 extended-spectrum beta-lactamase in nosocomial enterobacterial isolates in Bangkok, Thailand. *Journal of clinical microbiology*. 2001 Jan;39(1):175-82.
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66. **Tribuddharat C**, Fennewald M. Integron-mediated rifampin resistance in *Pseudomonas aeruginosa*. *Antimicrobial agents and chemotherapy*. 1999 Apr;43(4):960-2.

Honorary

1. The Royal Thai Government Scholarship for Ph.D. program in Microbiology and Immunology 1994-1999.
2. Young Investigator Award from the Infectious Disease Association of Thailand. October 17, 2001.
3. Young Investigator Award and Research Presentation Award from the Infectious Disease Association of Thailand. October 4-7, 2003.
4. Research Presentation Award from the Infectious Disease Association of Thailand. October 9-12, 2004.
5. Basic Science Investigator Award from the Infectious Disease Association of Thailand. October 20-22, 2006.
6. Outstanding Thesis Award 2010 on the thesis by Dr. Badri Thapa (Medical Microbiology, International Program, Faculty of Medicine Siriraj Hospital, Mahidol University): Molecular Characterization of *Acinetobacter baumannii* Integrated with Genomic Resistance Island. Major Advisor: Asst. Prof. Chanwit Tribuddharat
7. American Society for Microbiology: Country Liaison to Thailand; since May, 2009.
8. American Society for Microbiology: Acting Ambassador to Thailand; since Jan, 2012.
9. American Society for Microbiology: Ambassador to Thailand; Jul 2012-Dec 2017.