



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

Anon Srikiatkachorn, M.D.

EDUCATION

1983	M.D., (Magna Cum Laude), Faculty of Medicine Chiang Mai University	Chiang Mai, Thailand
------	---	----------------------

TRAINING

1986-1987	Intern in Pediatrics Michael Reese hospital	Chicago, IL
1987-1989	Resident in Pediatrics University of Chicago	Chicago, IL
1989-1991	Fellow, Division of Immunology St Louis Children Hospital, Washington University	St Louis, MO
1992-1995	Postdoctoral Fellow Division of Allergy and Immunology, Department of Pediatrics University of Virginia Hospital	Charlottesville, VA

APPOINTMENTS

1984-1986	Instructor, Department of Microbiology, Faculty of Medicine Chiang Mai University	Thailand
1995-1998	Research Assistant Professor, Department of Pediatrics University of Virginia Hospital	Charlottesville, VA
1998-2002	Assistant Professor, Division of Allergy and Immunology Children Hospital Medical Center, University of Cincinnati	Cincinnati, OH
2002-2022	Assistant Professor, Department of Medicine University of Massachusetts Hospital	Worcester, MA
2015-2022	Consultant, Dengue Unit Queen Sirikit National Institute for Child Health	Bangkok, Thailand
2016-2023	Associate Professor, Department of Cell and Molecular Biology College of the Environment and Life Sciences, University of Rhode Island	Providence, RI



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

LICENSURE

2023-present	M.D.	Texas
1999-present	M.D.	Ohio
1984-present	M.D.	Thailand

CERTIFICATION

1991-present	American Board of Allergy and Immunology
--------------	--

HONORS

1991	Young Investigator Award, American Academy of Asthma, Allergy and Immunology
1985	Scholarship World Health Organization
1984	Gold Medal in Medicine, Faculty of Medicine, Chiang Mai University
1983	Scholarship, Nippon Medical School Tokyo, Japan

RESEARCH SUPPORT

NIH/NIAID 5 P01 AI034533-22	Flavivirus Infections: Pathogenesis and Prevention PI Clinical Laboratory Research Core Project Period: 7/31/18-6/30/23
-----------------------------	--

PAST RESEARCH SUPPORT

NIH/NIAID 5 U19 AI057319-08	Cellular Immunity to Class A-C Viruses, Mechanisms of Vascular Leakage in Viral Hemorrhagic Fevers Co-principal investigator, Project Period: 4/01/08-03/31/14
U19 Pilot Project	NIH/NIAID U19 Cooperative Centers for Human Immunity Dissecting Pleural Biology in Dengue Co-principal investigator, Project Period: 5/1/12-4/30/13



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

U19 Pilot Project	NIH/NIAID U19 Cooperative Centers for Human Immunity Human Lung Organ Culture as a Model for Virus-Host Interactions Co-principal investigator, Project Period: 2/1/11-9/30/12
NIH-R01 AI45221	Regulatory Role of Virus Specific CD8+ T Lymphocytes in Allergic Airway Diseases Principal investigator, Project Period: 9/1/98-8/31/03
American Heart Association	Molecular Mechanisms of T Lymphocyte-Mediated Lung Inflammation Principal investigator, Project Period: 7/1/02-6/31/04
American Lung Association	Regulatory Role of CD8+ T Cells in Airway Inflammation Principal investigator, Project Period: 7/1/98-8/31/00

INVITED SPEAKER

1997	Immunology Seminar, University of Massachusetts, Worcester
1998	Keystone Symposia, Molecular Mechanisms of Antiviral Immunity
1998	Seminar speaker, University of Texas Medical Branch, Galveston
1999	Seminar speaker, Walter Reed Institute of Army Research, Washington, D.C.
1999	Speaker, Investigator meeting, NIH
2000	Speaker, AAAAI annual meeting, San Diego
2002	Immunology Seminar, University of Cincinnati
2003	Developmental Biology Seminar, Children Hospital Medical Center, Cincinnati
2003	Seminar speaker, Department of Microbiology, Faculty of Medicine, Chulalongkorn University, Thailand
2003	Seminar speaker, Department of Microbiology, Faculty of Sciences, Mahidol University, Thailand
2003	Seminar speaker, Department of Medicine, Yale University
2003	Seminar speaker, Cell and Molecular Biology Seminar Series, Department of Microbiology, Faculty of Medicine, Chiang Mai University, Thailand
2004	Seminar speaker, 12th ASEAN Pediatric Federation Conference, Thailand



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

- 2004-present Lecturer, Program for International Training Course on Case Management of DHF, WHO Collaborating Centre for Case management of Dengue/DF/DHF, Queen Sirikit National Institute of Child Health, Bangkok, Thailand
- 2005 Seminar speaker, Virology and Immunology Program, University of Massachusetts Medical School
- 2005 Interhospital Infectious Disease Round, University of Massachusetts Medical School
- 2006 Seminar Immunology Virology and Immunology Program, University of Massachusetts Medical School
- 2008 Seminar speaker, Dartmouth Medical College
- 2008 Seminar speaker, University of Toronto Hospital
- 2008 Speaker, the Second International Conference of Dengue Fever and Dengue Hemorrhagic Fever, Bangkok, Thailand.
- 2009 Speaker WHO-TDR Clinical Coordination and Training Center, Thammasart University, Thailand, 4-8 May 2009.
- 2009 Speaker, 1st international symposium "Infection of the Endothelium", Max-Planck-Institute for Cell Biology and Genetics, Dresden, Germany.
- 2009 Speaker, symposium, 59th Annual meeting of the American Society for Tropical Medicine and Hygiene.
- 2010 Speaker, Thailand Conference on Emerging Infectious and Neglected Diseases, Thailand.
- 2010 Speaker, Joint International Tropical Medicine Meeting, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand.
- 2011 Speaker, symposium, 61th Annual meeting of the American Society for Tropical Medicine and Hygiene.
- 2013 Lecturer, Program for International Training Course on Dengue, Thailand Chapter of the International Society of Tropical Pediatrics, Department of Tropical Pediatrics, Faculty of Tropical Medicine, Mahidol University, Thailand.
- 2013 Speaker, Informal Expert Consultation on Case Management of Dengue, WHO-SEARO, Colombo, Sri Lanka.
- 2013 Speaker, "Microbial Pathogenesis" symposium, Thai Virology Association and Mahidol University, Bangkok, Thailand.
- 2013 Speaker, the Third International Conference of Dengue Fever and Dengue Hemorrhagic Fever, Bangkok, Thailand.
- 2013 Speaker, HVBD 2013: Strategic Prevention and Treatment Against Dengue, Hawii, U.S.A.



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

- 2014 Speaker, 3rd Joint Meeting of the German Society for Microcirculation and Vascular Biology and the Swiss Society for Microcirculation and Vascular Research, Munster, Germany.
- 2014 Speaker, "Pediatric Dengue; Insights from a Prospective Acute Illness Study", Division of Infectious Diseases and Immunology, Department of Medicine, University of Massachusetts Medical School.
- 2015 Speaker, the 31ST Annual Meeting of the Allergy Asthma & Immunology Association of Thailand, Bangkok, Thailand.
- 2015 Lecturer, Program for International Training Course on Dengue, Thailand Chapter of the International Society of Tropical Pediatrics, Department of Tropical Pediatrics, Faculty of Medicine, Chulalongkorn University, Thailand.
- 2016 Speaker, special symposium hosted by Faculty of Medicine and the The Allergy Asthma & Immunology Association of Thailand, Bangkok, Thailand, Bangkok, Thailand.
- 2016 Speaker, the 44th Myanmar Health Research Congress organized by the Ministry of Health, Department of Medical Research, Yangon, the Republic of the Union of Myanmar.
- 2017 Speaker, the annual meeting of the Thai Virology Association, Bangkok, Thailand.
- 2018 Lecturer, Program for International Training Course on Dengue, Thailand Chapter of the International Society of Tropical Pediatrics, Department of Tropical Pediatrics, Faculty of Medicine, Chulalongkorn University, Thailand.

SERVICE & PROFESSIONAL OUTREACH

Editor: Vaccines

Reviewer for the following journals:

1. The American Journal of Tropical Medicine and Hygiene
2. Journal of Clinical Virology
3. Journal of Infectious Diseases
4. Plos One
5. Plos NTD
6. Journal of the ASEAN Federation of the Endocrine Societies.
7. eLife
8. Journal of Clinical Infectious Diseases
9. Scientific Reports

Reviewer for grant application including:

Thailand National Science and Technology Development Agency (NSTDA).



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

Consultant for the Thailand National Science and Technology Development Agency (NSTDA) to address research agenda relating to regional emerging infectious diseases.

PUBLICATIONS

Evaluation of the extended efficacy of the Dengvaxia vaccine against symptomatic and subclinical dengue infection. Salje, H, Alera, MT, Chua, MN, Hunsawong, T, Ellison, D, Srikiatkachorn, A, Jarman, RG, Gromowski, GD, Rodriguez-Barrquer, I, Cauchemez, S, Cummings, DAT, Macareo, L, Yoon, IK, Fernandez, S, Rothman, AL. *Nat Med*. 2021 Jun 24. doi: 10.1038/s41591-021-01392-9.

Correlation between reported dengue illness history and seropositivity in rural Thailand. Buddhari, D, Kathryn B Anderson, KB, Gregory D Gromowski, GD, Jarman, RG, Iamsirithaworn, S, Butsaya Thaisomboonsuk, B, Hunsawong, T, Srikiatkachorn, A, Rothman, AL, Jones, AR, Fernandez, S, Thomas, SJ, Endy, TP. *PLoS Negl Trop Dis*. 2021 Jun 15;15(6):e0009459. doi: 10.1371/journal.pntd.0009459. eCollection 2021 Jun.

Effect of low-passage number on dengue consensus genomes and intra-host variant frequencies. Fung, C.K., Li, T, Pollett, S, Alera, M.T. Yoon, IK, Hang, J, Macareo, L, **Srikiatkachorn, A.**, Ellison, D., Rothman, A.L., Fernandez, S., Jarman, R.G., Berry, I.M., *Journal of General Virology*. 2021,102:3

Temporally integrated single cell RNA sequencing analysis of PBMC from experimental and natural primary human DENV-1 infections. Waickman AT, Friberg H, Gromowski GD, Rutvisuttinunt W, Li T, Siegfried H, Victor K, McCracken MK, Fernandez S, **Srikiatkachorn A**, Ellison D, Jarman RG, Thomas SJ, Rothman AL, Endy T, Currier JR, *PLoS Pathog*. 2021 Jan 29;17(1):e1009240.

Major Histocompatibility Complex Class I Chain-Related A and B (MICA and MICB) Gene, Allele, and Haplotype Associations With Dengue Infections in Ethnic Thais. Luangtrakool P, Vejbaesya S, Luangtrakool K, Ngamhawornwong S, Apisawes K, Kalayanaroj S, Macareo LR, Fernandez S, Jarman RG, Collins RWM, Cox ST, **Srikiatkachorn A**, Rothman AL, Stephens HAF. *Journal of Infectious Diseases*, 2020 August; 222 (5), 840-846.

Analysis of cell-associated DENV RNA by oligo(dT) primed 5' capture scRNAseq. Sanborn MA, Li T, Victor K, Siegfried H, Fung C, Rothman AL, **Srikiatkachorn A**, Fernandez S, Ellison D, Jarman RG, Friberg H, Maljkovic Berry I, Currier JR, Waickman AT. *EBioMedicine* **54**, 102733, doi:10.1016/j.ebiom.2020.102733 (2020).

What translatable knowledge from dengue vaccine design can we pass onto future anti-parasitic vaccine development? **Srikiatkachorn A**. *Expert Opin Drug Discov*. 2020 Apr;15(4):391-395.



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

An Innovative Prospective Hybrid Cohort-Cluster Study Design To Characterize Dengue Virus Transmission In Multigenerational Households In Kamphaeng Phet, Thailand. Anderson KB, Buddhari D, **Srikiatkachorn A**, Ponlawat A, Gromowski GD, Iamsirithaworn S, Weg AL, Ellison DW, Macareo L, Cummings DAT, Yoon IK, Nisalak A, Thomas SJ, Fernandez S, Jarman RG, Rothman AL, Endy TP. *Am J Epidemiol*. 2020 Jan 23.

Pre-existing chikungunya virus neutralizing antibodies correlate with risk of symptomatic infection and subclinical seroconversion in a Philippine cohort. Yoon IK, **Srikiatkachorn A**, Alera MT, Fernandez S, Cummings DAT, Salje H. *Int J Infect Dis*. 2020 Apr 1;95:167-173.

Transcriptional and clonal characterization of B cell plasmablast diversity following primary and secondary natural DENV infection. Waickman AT, Gromowski GD, Rutvisuttinunt W, Li T, Siegfried H, Victor K, Kuklis C, Gomootsukavadee M, McCracken MK, Gabriel B, Mathew A, Grinyo I Escuer A, Fouch ME, Liang J, Fernandez S, Davidson E, Doranz BJ, **Srikiatkachorn A**, Endy T, Thomas SJ, Ellison D, Rothman AL, Jarman RG, Currier JR, Friberg H. *EBioMedicine*. 2020 Apr;54:102733. doi: 2019;10:1359. doi: 10.3389/fimmu.2019.01359. eCollection 2019. PubMed PMID: 31263466; PubMed Central PMCID: PMC6585174.

Haltaufderhyde K, **Srikiatkachorn A**, Green S, Macareo L, Park S, Kalayanarooj S, Rothman AL, Mathew A. Activation of Peripheral T Follicular Helper Cells During Acute Dengue Virus Infection. *J Infect Dis*. 2018 Oct 5;218(10):1675-1685. doi: 10.1093/infdis/jiy360. PubMed PMID: 29917084.

Park S, **Srikiatkachorn A**, Kalayanarooj S, Macareo L, Green S, Friedman JF, Rothman AL. Use of structural equation models to predict dengue illness phenotype. *PLoS Negl Trop Dis*. 2018 Oct;12(10):e0006799. doi: 10.1371/journal.pntd.0006799. eCollection 2018 Oct. PubMed PMID: 30273334; PubMed Central PMCID: PMC6181434.

Rattanamahaphoom J, Leungwutiwong P, Limkittikul K, Kosoltanapiwat N, **Srikiatkachorn A**. Activation of dengue virus-specific T cells modulates vascular endothelial growth factor receptor 2 expression. *Asian Pac J Allergy Immunol*. 2017 Sep;35(3):171-178. doi: 10.12932/AP0810. PubMed PMID: 27996292; PubMed Central PMCID: PMC5529260.

Srikiatkachorn A, Mathew A, Rothman AL. Immune-mediated cytokine storm and its role in severe dengue. *Semin Immunopathol*. 2017 Jul;39(5):563-574.

Hunsawong T, Wichit S, Phonpakobsin T, Poolpanichupatam Y, Klungthong C, Latthiwongsakorn N, Thaisomboonsuk B, Im-Erbsin R, Yoon IK, Ellison DW, Macareo LR, **Srikiatkachorn A**, Gibbons RV, Fernandez S. Polytopic vaccination with a live-attenuated dengue vaccine enhances B-cell and T-cell activation, but not neutralizing antibodies. *Heliyon*. 2017 Mar;3(3):e00271. doi: 10.1016/j.heliyon.2017.e00271. eCollection 2017 Mar. PubMed PMID: 28393119; PubMed Central PMCID: PMC5367862.



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

Kalayanarooj S, Rothman AL, **Srikiatkachorn A**. Case Management of Dengue: Lessons Learned. *J Infect Dis*. 2017 Mar 1;215(suppl_2):S79-S88. doi: 10.1093/infdis/jiw609. PubMed PMID: 28403440; PubMed Central PMCID: PMC5853291.

Srikiatkachorn A, Alera MT, Lago CB, Tac-An IA, Villa D, Fernandez S, Thaisomboonsuk B, Klungthong C, Levy JW, Velasco JM, Roque VG Jr, Nisalak A, Macareo LR, Yoon IK. Resolution of a Chikungunya Outbreak in a Prospective Cohort, Cebu, Philippines, 2012-2014. *Emerg Infect Dis*. 2016 Oct;22(10):1852-4. doi: 10.3201/eid2210.160729. PubMed PMID: 27649081; PubMed Central PMCID: PMC5038399.

Woda M, Friberg H, Currier JR, **Srikiatkachorn A**, Macareo LR, Green S, Jarman RG, Rothman AL, Mathew A. Dynamics of Dengue Virus (DENV)-Specific B Cells in the Response to DENV Serotype 1 Infections, Using Flow Cytometry With Labeled Virions. *J Infect Dis*. 2016 Oct 1;214(7):1001-9. doi: 10.1093/infdis/jiw308. Epub 2016 Jul 20. PubMed PMID: 27443614; PubMed Central PMCID: PMC5021233.

Moulton SL, Mulligan J, **Srikiatkachorn A**, Kalayanarooj S, Grudic GZ, Green S, Gibbons RV, Muniz GW, Hinojosa-Laborde C, Rothman AL, Thomas SJ, Convertino VA. State-of-the-art monitoring in treatment of dengue shock syndrome: a case series. *J Med Case Rep*. 2016 Aug 24;10(1):233. doi: 10.1186/s13256-016-1019-z. PubMed PMID: 27553703; PubMed Central PMCID: PMC4995799.

Nisalak A, Clapham HE, Kalayanarooj S, Klungthong C, Thaisomboonsuk B, Fernandez S, Reiser J, **Srikiatkachorn A**, Macareo LR, Lessler JT, Cummings DA, Yoon IK. Forty Years of Dengue Surveillance at a Tertiary Pediatric Hospital in Bangkok, Thailand, 1973-2012. *Am J Trop Med Hyg*. 2016 Jun 1;94(6):1342-7. doi: 10.4269/ajtmh.15-0337. Epub 2016 Mar 28. PubMed PMID: 27022151; PubMed Central PMCID: PMC4889755.

Ellison DW, Ladner JT, Buathong R, Alera MT, Wiley MR, Hermann L, Rutvisuttinunt W, Klungthong C, Chinnawirotpisan P, Manasatienkij W, Melendrez MC, Maljkovic Berry I, Thaisomboonsuk B, Ong-Ajchaowlerd P, Kaneechit W, Velasco JM, Tac-An IA, Villa D, Lago CB, Roque VG Jr, Pliapat T, Nisalak A, **Srikiatkachorn A**, Fernandez S, Yoon IK, Haddow AD, Palacios GF, Jarman RG, Macareo LR. Complete Genome Sequences of Zika Virus Strains Isolated from the Blood of Patients in Thailand in 2014 and the Philippines in 2012. *Genome Announc*. 2016 May 12;4(3). doi: 10.1128/genomeA.00359-16. PubMed PMID: 27174274; PubMed Central PMCID: PMC4866850.

Townsley E, O'Connor G, Cosgrove C, Woda M, Co M, Thomas SJ, Kalayanarooj S, Yoon IK, Nisalak A, **Srikiatkachorn A**, Green S, Stephens HA, Gostick E, Price DA, Carrington M, Alter G, McVicar DW, Rothman AL, Mathew A. Interaction of a dengue virus NS1-derived peptide with the inhibitory receptor KIR3DL1 on natural killer cells. *Clin Exp Immunol*. 2016 Mar;183(3):419-30. doi: 10.1111/cei.12722. Epub 2015 Nov 24. PubMed PMID: 26439909; PubMed Central PMCID: PMC4750593.

Salje H, Cauchemez S, Alera MT, Rodriguez-Barraquer I, Thaisomboonsuk B, **Srikiatkachorn A**, Lago CB, Villa D, Klungthong C, Tac-An IA, Fernandez S, Velasco JM, Roque VG Jr, Nisalak A, Macareo LR, Levy JW,



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

Cummings D, Yoon IK. Reconstruction of 60 Years of Chikungunya Epidemiology in the Philippines Demonstrates Episodic and Focal Transmission. *J Infect Dis.* 2016 Feb 15;213(4):604-10. doi: 10.1093/infdis/jiv470. Epub 2015 Sep 25. PubMed PMID: 26410592; PubMed Central PMCID: PMC4721913.

Alera MT, **Srikiatkachorn A**, Velasco JM, Tac-An IA, Lago CB, Clapham HE, Fernandez S, Levy JW, Thaisomboonsuk B, Klungthong C, Macareo LR, Nisalak A, Hermann L, Villa D, Yoon IK. Incidence of Dengue Virus Infection in Adults and Children in a Prospective Longitudinal Cohort in the Philippines. *PLoS Negl Trop Dis.* 2016 Feb;10(2):e0004337. doi: 10.1371/journal.pntd.0004337. eCollection 2016 Feb. PubMed PMID: 26845762; PubMed Central PMCID: PMC4742283.

Srikiatkachorn A, Yoon IK. Immune correlates for dengue vaccine development. *Expert Rev Vaccines.* 2016;15(4):455-65. doi: 10.1586/14760584.2016.1116949. Epub 2015 Nov 24. Review. PubMed PMID: 26560015; PubMed Central PMCID: PMC5523864.

Clapham H, Cummings DA, Nisalak A, Kalayanarooj S, Thaisomboonsuk B, Klungthong C, Fernandez S, **Srikiatkachorn A**, Macareo LR, Lessler J, Reiser J, Yoon IK. Epidemiology of Infant Dengue Cases Illuminates Serotype-Specificity in the Interaction between Immunity and Disease, and Changes in Transmission Dynamics. *PLoS Negl Trop Dis.* 2015 Dec;9(12):e0004262. doi: 10.1371/journal.pntd.0004262. eCollection 2015 Dec. PubMed PMID: 26658730; PubMed Central PMCID: PMC4684242.

Khuntirat B, Love CS, Buddhari D, Heil GL, Gibbons RV, Rothman AL, **Srikiatkachorn A**, Gray GC, Yoon IK. Absence of neutralizing antibodies against influenza A/H5N1 virus among children in Kamphaeng Phet, Thailand. *J Clin Virol.* 2015 Aug;69:78-80. doi: 10.1016/j.jcv.2015.05.025. Epub 2015 Jun 3. PubMed PMID: 26209384; PubMed Central PMCID: PMC4515272.

Kirawittaya T, Yoon IK, Wichit S, Green S, Ennis FA, Gibbons RV, Thomas SJ, Rothman AL, Kalayanarooj S, **Srikiatkachorn A**. Evaluation of Cardiac Involvement in Children with Dengue by Serial Echocardiographic Studies. *PLoS Negl Trop Dis.* 2015;9(7):e0003943. doi: 10.1371/journal.pntd.0003943. eCollection 2015. PubMed PMID: 26226658; PubMed Central PMCID: PMC4520477.

Yoon IK, Alera MT, Lago CB, Tac-An IA, Villa D, Fernandez S, Thaisomboonsuk B, Klungthong C, Levy JW, Velasco JM, Roque VG Jr, Salje H, Macareo LR, Hermann LL, Nisalak A, **Srikiatkachorn**
High rate of subclinical chikungunya virus infection and association of neutralizing antibody with protection in a prospective cohort in the Philippines. *PLoS Negl Trop Dis.* 2015 May;9(5):e0003764. doi: 10.1371/journal.pntd.0003764. eCollection 2015 May. PubMed PMID: 25951202; PubMed Central PMCID: PMC4423927.

Alera MT, Hermann L, Tac-An IA, Klungthong C, Rutvisuttinunt W, Manasatienkij W, Villa D, Thaisomboonsuk B, Velasco JM, Chinnawirotpisan P, Lago CB, Roque VG Jr, Macareo LR, **Srikiatkachorn**



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

A, Fernandez S, Yoon IK. Zika virus infection, Philippines, 2012. *Emerg Infect Dis.* 2015 Apr;21(4):722-4. doi: 10.3201/eid2104.141707. PubMed PMID: 25811410; PubMed Central PMCID: PMC4378478.

Bhoomiboonchoo P, Nisalak A, Chansatiporn N, Yoon IK, Kalayanaroj S, Thipayamongkolgul M, Endy T, Rothman AL, Green S, **Srikiatkachorn A**, Buddhari D, Mammen MP, Gibbons RV. Sequential dengue virus infections detected in active and passive surveillance programs in Thailand, 1994-2010. *BMC*

Public Health. 2015 Mar 14;15:250. doi: 10.1186/s12889-015-1590-z. PubMed PMID: 25886528; PubMed Central PMCID: PMC4371716.

Buddhari D, Aldstadt J, Endy TP, **Srikiatkachorn A**, Thaisomboonsuk B, Klungthong C, Nisalak A, Khuntirat B, Jarman RG, Fernandez S, Thomas SJ, Scott TW, Rothman AL, Yoon IK. Dengue virus neutralizing antibody levels associated with protection from infection in Thai cluster studies. *PLoS Negl Trop Dis.* 2014 Oct;8(10):e3230. doi: 10.1371/journal.pntd.0003230. eCollection 2014 Oct. PubMed PMID: 25329173; PubMed Central PMCID: PMC4199527.

Bhoomiboonchoo P, Gibbons RV, Huang A, Yoon IK, Buddhari D, Nisalak A, Chansatiporn N, Thipayamongkolgul M, Kalanaroj S, Endy T, Rothman AL, **Srikiatkachorn A**, Green S, Mammen MP, Cummings DA, Salje H. The spatial dynamics of dengue virus in Kamphaeng Phet, Thailand. *PLoS Negl Trop Dis.* 2014 Sep;8(9):e3138. doi: 10.1371/journal.pntd.0003138. eCollection 2014 Sep. PubMed PMID: 25211127; PubMed Central PMCID: PMC4161352.

Srikiatkachorn A, Kelley JF. Endothelial cells in dengue hemorrhagic fever. *Antiviral Res.* 2014 Sep;109:160-70. doi: 10.1016/j.antiviral.2014.07.005. Epub 2014 Jul 12. Review. PubMed PMID: 25025934; PubMed Central PMCID: PMC4148486.

Soller B, **Srikiatkachorn A**, Zou F, Rothman AL, Yoon IK, Gibbons RV, Kalayanaroj S, Thomas SJ, Green S. Preliminary evaluation of near infrared spectroscopy as a method to detect plasma leakage in children with dengue hemorrhagic fever. *BMC Infect Dis.* 2014 Jul 17;14:396. doi: 10.1186/1471-2334-14-396. PubMed PMID: 25033831; PubMed Central PMCID: PMC4223418.

Srikiatkachorn A, Spiropoulou CF. Vascular events in viral hemorrhagic fevers: a comparative study of dengue and hantaviruses. *Cell Tissue Res.* 2014 Mar;355(3):621-33. doi: 10.1007/s00441-014-1841-1. Epub 2014 Mar 13. Review. PubMed PMID: 24623445; PubMed Central PMCID: PMC3972431.

Anderson KB, Gibbons RV, Cummings DA, Nisalak A, Green S, Libraty DH, Jarman RG, **Srikiatkachorn A**, Mammen MP, Darunee B, Yoon IK, Endy TP. A shorter time interval between first and second dengue infections is associated with protection from clinical illness in a school-based cohort in Thailand. *J Infect Dis.* 2014 Feb 1;209(3):360-8. doi: 10.1093/infdis/jit436. Epub 2013 Aug 20. PubMed PMID: 23964110; PubMed Central PMCID: PMC3883164.



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

Townsley E, Woda M, Thomas SJ, Kalayanarooj S, Gibbons RV, Nisalak A, **Srikiatkachorn A**, Green S, Stephens HA, Rothman AL, Mathew A. Distinct activation phenotype of a highly conserved novel HLA-B57-restricted epitope during dengue virus infection. *Immunology*. 2014 Jan;141(1):27-38. doi: 10.1111/imm.12161. PubMed PMID: 23941420; PubMed Central PMCID: PMC3893847.

Yoon IK, **Srikiatkachorn A**, Hermann L, Buddhari D, Scott TW, Jarman RG, Aldstadt J, Nisalak A, Thammapalo S, Bhoomiboonchoo P, Mammen MP, Green S, Gibbons RV, Endy TP, Rothman AL. Characteristics of mild dengue virus infection in Thai children. *Am J Trop Med Hyg*. 2013 Dec;89(6):1081-7. doi: 10.4269/ajtmh.13-0424. Epub 2013 Oct 14. PubMed PMID: 24127167; PubMed Central PMCID: PMC3854884.

Spiropoulou CF, **Srikiatkachorn A**. The role of endothelial activation in dengue hemorrhagic fever and hantavirus pulmonary syndrome. *Virulence*. 2013 Aug 15;4(6):525-36. doi: 10.4161/viru.25569. Epub 2013 Jul 10. Review. PubMed PMID: 23841977; PubMed Central PMCID: PMC5359750.

Rabaa MA, Klungthong C, Yoon IK, Holmes EC, Chinnawirotpisan P, Thaisomboonsuk B, **Srikiatkachorn A**, Rothman AL, Tannitisupawong D, Aldstadt J, Nisalak A, Mammen MP, Gibbons RV, Endy TP, Fansiri T, Scott TW, Jarman RG. Frequent in-migration and highly focal transmission of dengue viruses among children in Kamphaeng Phet, Thailand. *PLoS Negl Trop Dis*. 2013;7(1):e1990. doi: 10.1371/journal.pntd.0001990. Epub 2013 Jan 17. PubMed PMID: 23350000; PubMed Central PMCID: PMC3547850.

Srikiatkachorn A, Wichit S, Gibbons RV, Green S, Libraty DH, Endy TP, Ennis FA, Kalayanarooj S, Rothman AL. Dengue viral RNA levels in peripheral blood mononuclear cells are associated with disease severity and preexisting dengue immune status. *PLoS One*. 2012;7(12):e51335. doi: 10.1371/journal.pone.0051335. Epub 2012 Dec 19. PubMed PMID: 23284680; PubMed Central PMCID: PMC3526575.

Yoon IK, Rothman AL, Tannitisupawong D, **Srikiatkachorn A**, Jarman RG, Aldstadt J, Nisalak A, Mammen MP Jr, Thammapalo S, Green S, Libraty DH, Gibbons RV, Getis A, Endy T, Jones JW, Koenraad CJ, Morrison AC, Fansiri T, Pimgate C, Scott TW. Underrecognized mildly symptomatic viremic dengue virus infections in rural Thai schools and villages. *J Infect Dis*. 2012 Aug 1;206(3):389-98. doi: 10.1093/infdis/jis357. Epub 2012 May 21. PubMed PMID: 22615312; PubMed Central PMCID: PMC3490697.

Yoon IK, Getis A, Aldstadt J, Rothman AL, Tannitisupawong D, Koenraad CJ, Fansiri T, Jones JW, Morrison AC, Jarman RG, Nisalak A, Mammen MP Jr, Thammapalo S, **Srikiatkachorn A**, Green S, Libraty DH, Gibbons RV, Endy T, Pimgate C, Scott TW. Fine scale spatiotemporal clustering of dengue virus transmission in children and *Aedes aegypti* in rural Thai villages. *PLoS Negl Trop Dis*. 2012;6(7):e1730. doi: 10.1371/journal.pntd.0001730. Epub 2012 Jul 17. PubMed PMID: 22816001; PubMed Central PMCID: PMC3398976.

Mathew A, West K, Kalayanarooj S, Gibbons RV, **Srikiatkachorn A**, Green S, Libraty D, Jaiswal S, Rothman AL. B-cell responses during primary and secondary dengue virus infections in humans. *J Infect Dis*. 2011



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

Nov 15;204(10):1514-22. doi: 10.1093/infdis/jir607. Epub 2011 Sep 19. PubMed PMID: 21930609; PubMed Central PMCID: PMC3222107.

Rulli NE, Rolph MS, **Srikiatkachorn A**, Anantapreecha S, Guglielmotti A, Mahalingam S. Protection from arthritis and myositis in a mouse model of acute chikungunya virus disease by bindarit, an inhibitor of monocyte chemotactic protein-1 synthesis. *J Infect Dis*. 2011 Oct 1;204(7):1026-30. doi: 10.1093/infdis/jir470. PubMed PMID: 21881117.

Srikiatkachorn A, Rothman AL, Gibbons RV, Sittisombut N, Malasit P, Ennis FA, Nimmannitya S, Kalayanarooj S. Dengue--how best to classify it. *Clin Infect Dis*. 2011 Sep;53(6):563-7. doi: 10.1093/cid/cir451. Epub 2011 Aug 10. PubMed PMID: 21832264; PubMed Central PMCID: PMC3202316.

Friberg H, Bashyam H, Toyosaki-Maeda T, Potts JA, Greenough T, Kalayanarooj S, Gibbons RV, Nisalak A, **Srikiatkachorn A**, Green S, Stephens HA, Rothman AL, Mathew A. Cross-reactivity and expansion of dengue-specific T cells during acute primary and secondary infections in humans. *Sci Rep*. 2011;1:51. doi: 10.1038/srep00051. Epub 2011 Aug 1. PubMed PMID: 22355570; PubMed Central PMCID: PMC3216538.

Herrero LJ, Nelson M, **Srikiatkachorn A**, Gu R, Anantapreecha S, Fingerle-Rowson G, Bucala R, Morand E, Santos LL, Mahalingam S. Critical role for macrophage migration inhibitory factor (MIF) in Ross River virus-induced arthritis and myositis. *Proc Natl Acad Sci U S A*. 2011 Jul 19;108(29):12048-53. doi: 10.1073/pnas.1101089108. Epub 2011 Jul 5. PubMed PMID: 21730129; PubMed Central PMCID: PMC3141998.

Srikiatkachorn A, Chintapalli J, Liu J, Jamaluddin M, Harrod KS, Whitsett JA, Enelow RI, Ramana CV. Interference with intraepithelial TNF- α signaling inhibits CD8(+) T-cell-mediated lung injury in influenza infection. *Viral Immunol*. 2010 Dec;23(6):639-45. doi: 10.1089/vim.2010.0076. PubMed PMID: 21142450; PubMed Central PMCID: PMC2991178.

Potts JA, Thomas SJ, **Srikiatkachorn A**, Supradish PO, Li W, Nisalak A, Nimmannitya S, Endy TP, Libraty DH, Gibbons RV, Green S, Rothman AL, Kalayanarooj S. Classification of dengue illness based on readily available laboratory data. *Am J Trop Med Hyg*. 2010 Oct;83(4):781-8. doi: 10.4269/ajtmh.2010.10-0135. PubMed PMID: 20889865; PubMed Central PMCID: PMC2946742.

van Panhuis WG, Gibbons RV, Endy TP, Rothman AL, **Srikiatkachorn A**, Nisalak A, Burke DS, Cummings DA. Inferring the serotype associated with dengue virus infections on the basis of pre- and postinfection neutralizing antibody titers. *J Infect Dis*. 2010 Oct 1;202(7):1002-10. doi: 10.1086/656141. PubMed PMID: 20738205; PubMed Central PMCID: PMC2943243.

Srikiatkachorn A, Green S. Markers of dengue disease severity. *Curr Top Microbiol Immunol*. 2010;338:67-82. doi: 10.1007/978-3-642-02215-9_6. Review. PubMed PMID: 19802579.



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

Mammen MP, Pimgate C, Koenraadt CJ, Rothman AL, Aldstadt J, Nisalak A, Jarman RG, Jones JW, **Srikiatkachorn A**, Ypil-Butac CA, Getis A, Thammapalo S, Morrison AC, Libraty DH, Green S, Scott TW. Spatial and temporal clustering of dengue virus transmission in Thai villages. *PLoS Med*. 2008 Nov 4;5(11):e205. doi: 10.1371/journal.pmed.0050205. PubMed PMID: 18986209; PubMed Central PMCID: PMC2577695.

Gibbons RV, Kalanarooj S, Jarman RG, Nisalak A, Vaughn DW, Endy TP, Mammen MP Jr, **Srikiatkachorn A**. Analysis of repeat hospital admissions for dengue to estimate the frequency of third or fourth dengue infections resulting in admissions and dengue hemorrhagic fever, and serotype sequences. *Am J Trop Med Hyg*. 2007 Nov;77(5):910-3. PubMed PMID: 17984352.

Srikiatkachorn A, Krautrachue A, Ratanaprakarn W, Wongtapradit L, Nithipanya N, Kalayanarooj S, Nisalak A, Thomas SJ, Gibbons RV, Mammen MP Jr, Libraty DH, Ennis FA, Rothman AL, Green S. Natural history of plasma leakage in dengue hemorrhagic fever: a serial ultrasonographic study. *Pediatr Infect Dis J*. 2007 Apr;26(4):283-90; discussion 291-2. doi: 10.1097/01.inf.0000258612.26743.10. PubMed PMID: 17414388.

Srikiatkachorn A, Ajariyakhajorn C, Endy TP, Kalayanarooj S, Libraty DH, Green S, Ennis FA, Rothman AL. Virus-induced decline in soluble vascular endothelial growth receptor 2 is associated with plasma leakage in dengue hemorrhagic fever. *J Virol*. 2007 Feb;81(4):1592-600. doi: 10.1128/JVI.01642-06. Epub 2006 Dec 6. PubMed PMID: 17151115; PubMed Central PMCID: PMC1797579.

Bruder D, **Srikiatkachorn A**, Enelow RI. Cellular immunity and lung injury in respiratory virus infection. *Viral Immunol*. 2006 Summer;19(2):147-55. doi: 10.1089/vim.2006.19.147. Review. PubMed PMID: 16817757.

LeVine AM, Elliott J, Whitsett JA, **Srikiatkachorn A**, Crouch E, DeSilva N, Korfhagen T. Surfactant protein-d enhances phagocytosis and pulmonary clearance of respiratory syncytial virus. *Am J Respir Cell Mol Biol*. 2004 Aug;31(2):193-9. doi: 10.1165/rcmb.2003-0107OC. Epub 2004 Mar 11. PubMed PMID: 15016617. Chang J, **Srikiatkachorn A**, Braciale TJ. Visualization and characterization of respiratory syncytial virus F-specific CD8(+) T cells during experimental virus infection. *J Immunol*. 2001 Oct 15;167(8):4254-60. doi: 10.4049/jimmunol.167.8.4254. PubMed PMID: 11591747.

Chang J, **Srikiatkachorn A**, Braciale TJ. Visualization and characterization of respiratory syncytial virus F-specific CD8(+) T cells during experimental virus infection. *J Immunol*. 2001 Oct 15;167(8):4254-60. doi: 10.4049/jimmunol.167.8.4254. PubMed PMID: 11591747.

Srikiatkachorn A, Chang W, Braciale TJ. Induction of Th-1 and Th-2 responses by respiratory syncytial virus attachment glycoprotein is epitope and major histocompatibility complex independent. *J Virol*. 1999 Aug;73(8):6590-7. PubMed PMID: 10400756; PubMed Central PMCID: PMC112743.

Srikiatkachorn A, Braciale TJ. Virus-specific CD8+ T lymphocytes downregulate T helper cell type 2 cytokine secretion and pulmonary eosinophilia during experimental murine respiratory syncytial virus infection. *J Exp*



CORPUS CHRISTI ALLERGY ASSOCIATES

ALLERGY | ASTHMA | IMMUNOLOGY

Med. 1997 Aug 4;186(3):421-32. doi: 10.1084/jem.186.3.421. PubMed PMID: 9236194; PubMed Central PMCID: PMC2198992.

Srikiatkhachorn A, Braciale TJ. Virus-specific memory and effector T lymphocytes exhibit different cytokine responses to antigens during experimental murine respiratory syncytial virus infection. *J Virol.* 1997 Jan;71(1):678-85. PubMed PMID: 8985399; PubMed Central PMCID: PMC191100.

Enelow RI, Stoler MH, **Srikiatkhachorn A**, Kerlakian C, Agersborg S, Whitsett JA, Braciale TJ. A lung-specific neo-antigen elicits specific CD8+ T cell tolerance with preserved CD4+ T cell reactivity. Implications for immune-mediated lung disease. *J Clin Invest.* 1996 Aug 15;98(4):914-22. doi: 10.1172/JCI118874. PubMed PMID: 8770862; PubMed Central PMCID: PMC507505.