



Prasanna Jagannathan

Assistant Professor of Medicine (Infectious Diseases) and of Microbiology and Immunology

Medicine - Infectious Diseases

CLINICAL OFFICE (PRIMARY)

- **Infectious Disease Clinic**

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Bio

BIO

I am an Infectious Diseases physician-scientist with a research program in human immunology of malaria and clinical trials of immune modulatory interventions. Our group has been conducting detailed longitudinal cohort studies in children and pregnant women in order to study how repeated malaria shapes the cellular immune response. We are also studying how malaria control interventions such as antimalarial chemoprevention and vector control shape the acquisition and/or maintenance of protective immunity to malaria. We have expanded this work to not only include studying the mechanisms driving naturally acquired immunity to malaria, but other infectious diseases, including SARS CoV-2. We have also lead and/or participated in studies evaluating therapeutic strategies for patients with mild to moderate COVID-19.

CLINICAL FOCUS

- Infectious Disease

ACADEMIC APPOINTMENTS

- Assistant Professor, Medicine - Infectious Diseases
- Assistant Professor, Microbiology & Immunology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- Rosenkranz Prize, Stanford University (Sep 2018)
- Young Physician Scientist Award, American Society of Clinical Investigation (April 2018)

PROFESSIONAL EDUCATION

- Board Certification: Infectious Disease, American Board of Internal Medicine (2011)
- Certificate, University of California, San Francisco , Advanced Training in Clinical Research
- Postdoctoral, University of California, San Francisco , Immunology

- Fellowship, University of California, San Francisco , Infectious Diseases
- Residency, University of California, San Francisco , Internal Medicine
- M.D., Harvard Medical School , Medicine

COMMUNITY AND INTERNATIONAL WORK

- Mechanisms and Correlates of Immunity to Malaria, Uganda

LINKS

- Jagannathan Lab at Stanford: <http://med.stanford.edu/jagannathan-lab.html>

Research & Scholarship

CLINICAL TRIALS

- Modifying Immunity in Children With Dihydroartemisinin-Piperaquine (MIC-DroP), Recruiting
- Single-Blind Study of a Single Dose of Peginterferon Lambda-1a Compared With Placebo in Outpatients With Mild COVID-19, Not Recruiting

Teaching

COURSES

2023-24

- Cellular and Molecular Immunology: An Introductory Course: BIO 230, IMMUNOL 200, MI 200 (Aut)
- Translational Immunology: IMMUNOL 209 (Win, Spr)

2022-23

- Translational Immunology: IMMUNOL 209 (Win, Spr)

2021-22

- Translational Immunology: IMMUNOL 209 (Win, Spr)

2020-21

- COVID-19 Pandemic: Lessons Learned: BIOS 297 (Aut, Spr)
- Translational Immunology: IMMUNOL 209 (Win, Spr)

STANFORD ADVISEES

Med Scholar Project Advisor

Zachary Renfro, Daniel Ruiz-Betancourt

Doctoral Dissertation Reader (AC)

Maddie Lee, Candace Liu, Anna Nguyen

Postdoctoral Faculty Sponsor

Basset Ahmad, Florian Bach

Doctoral Dissertation Advisor (AC)

Alea Delmastro, Savannah Lewis, Jason Nideffer

Postdoctoral Research Mentor

Basset Ahmad, Florian Bach

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Immunology (Phd Program)
- Infectious Diseases (Fellowship Program)
- Microbiology and Immunology (Phd Program)

Publications

PUBLICATIONS

- **Malaria-specific Type 1 regulatory T cells are more abundant in first pregnancies and associated with placental malaria.** *EBioMedicine*
Kirosingh, A. S., Delmastro, A., Kakuru, A., van der Ploeg, K., Bhattacharya, S., Press, K. D., Ty, M., Parte, L., Kizza, J., Muhindo, M., Devachanne, S., Gamain, B., Nankya, et al
2023; 95: 104772
- **Malaria-driven expansion of adaptive-like functional CD56-negative NK cells correlates with clinical immunity to malaria.** *Science translational medicine*
Ty, M., Sun, S., Callaway, P. C., Rek, J., Press, K. D., van der Ploeg, K., Nideffer, J., Hu, Z., Klemm, S., Greenleaf, W., Donato, M., Tukwasibwe, S., Arinaitwe, et al
2023; 15 (680): eadd9012
- **Early immune markers of clinical, virological, and immunological outcomes in patients with COVID-19: a multi-omics study.** *eLife*
Hu, Z., van der Ploeg, K., Chakraborty, S., Arunachalam, P. S., Mori, D. A., Jacobson, K. B., Bonilla, H., Parsonnet, J., Andrews, J. R., Holubar, M., Subramanian, A., Khosla, C., Maldonado, et al
2022; 11
- **Age-dependent changes in circulating Tfh cells influence development of functional malaria antibodies in children.** *Nature communications*
Chan, J., Loughland, J. R., de la Parte, L., Okano, S., Ssewanyana, I., Nalubega, M., Nankya, F., Musinguzi, K., Rek, J., Arinaitwe, E., Tipping, P., Bourke, P., Andrew, et al
2022; 13 (1): 4159
- **Malaria in 2022: Increasing challenges, cautious optimism.** *Nature communications*
Jagannathan, P., Kakuru, A.
2022; 13 (1): 2678
- **TNF-alpha+ CD4+ T cells dominate the SARS-CoV-2 specific T cell response in COVID-19 outpatients and are associated with durable antibodies.** *Cell reports. Medicine*
van der Ploeg, K., Kirosingh, A. S., Mori, D. A., Chakraborty, S., Hu, Z., Sievers, B. L., Jacobson, K. B., Bonilla, H., Parsonnet, J., Andrews, J. R., Press, K. D., Ty, M. C., Ruiz-Betancourt, et al
2022: 100640
- **Age-related Changes in Malaria Clinical Phenotypes During Infancy are Modified by Sickle Cell Trait.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Zehner, N., Adrama, H., Kakuru, A., Andra, T., Kajubi, R., Conrad, M., Nankya, F., Clark, T. D., Kamyra, M., Rodriguez-Barraquer, I., Dorsey, G., Jagannathan, P.
2021
- **Patients with uncomplicated COVID-19 have long-term persistent symptoms and functional impairment similar to patients with severe COVID-19: a cautionary tale during a global pandemic.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Jacobson, K. B., Rao, M., Bonilla, H., Subramanian, A., Hack, I., Madrigal, M., Singh, U., Jagannathan, P., Grant, P.
2021
- **Peginterferon Lambda-1a for treatment of outpatients with uncomplicated COVID-19: a randomized placebo-controlled trial.** *Nature communications*
Jagannathan, P. n., Andrews, J. R., Bonilla, H. n., Hedlin, H. n., Jacobson, K. B., Balasubramanian, V. n., Purington, N. n., Kamble, S. n., de Vries, C. R., Quintero, O. n., Feng, K. n., Ley, C. n., Winslow, et al
2021; 12 (1): 1967
- **Infant sex modifies associations between placental malaria and risk of malaria in infancy.** *Malaria journal*
Kakuru, A. n., Roh, M. E., Kajubi, R. n., Ochieng, T. n., Ategeka, J. n., Ochokoru, H. n., Nakalembe, M. n., Clark, T. D., Ruel, T. n., Staedke, S. G., Chandramohan, D. n., Havlir, D. V., Kamyra, et al
2020; 19 (1): 449

- **Intermittent preventive treatment with dihydroartemisinin-piperazine and risk of malaria following cessation in young Ugandan children: a double-blind, randomised, controlled trial.** *The Lancet. Infectious diseases*
Muhindo, M. K., Jagannathan, P., Kakuru, A., Opira, B., Olwoch, P., Okiring, J., Nalugo, N., Clark, T. D., Ruel, T., Charlebois, E., Feeney, M. E., Havlir, D. V., Dorsey, et al
2019
- **Dihydroartemisinin-piperazine for intermittent preventive treatment of malaria during pregnancy and risk of malaria in early childhood: A randomized controlled trial.** *PLoS medicine*
Jagannathan, P., Kakuru, A., Okiring, J., Muhindo, M. K., Natureeba, P., Nakalembe, M., Opira, B., Olwoch, P., Nankya, F., Ssewanyana, I., Tetteh, K., Drakeley, C., Beeson, et al
2018; 15 (7): e1002606
- **V#2+ T cell response to malaria correlates with protection from infection but is attenuated with repeated exposure.** *Scientific reports*
Jagannathan, P., Lutwama, F., Boyle, M. J., Nankya, F., Farrington, L. A., McIntyre, T. I., Bowen, K., Naluwu, K., Nalubega, M., Musinguzi, K., Sikyomu, E., Budker, R., Katureebe, et al
2017; 7 (1): 11487
- **Effective Antimalarial Chemoprevention in Childhood Enhances the Quality of CD4(+) T Cells and Limits Their Production of Immunoregulatory Interleukin 10** *JOURNAL OF INFECTIOUS DISEASES*
Jagannathan, P., Bowen, K., Nankya, F., McIntyre, T. I., Auma, A., Wamala, S., Sikyomu, E., Naluwu, K., Nalubega, M., Boyle, M. J., Farrington, L. A., Bigira, V., Kapisi, et al
2016; 214 (2): 329-338
- **Dihydroartemisinin-Piperazine for the Prevention of Malaria in Pregnancy** *NEW ENGLAND JOURNAL OF MEDICINE*
Kakuru, A., Jagannathan, P., Muhindo, M. K., Natureeba, P., Awori, P., Nakalembe, M., Opira, B., Olwoch, P., Ategeka, J., Nayebare, P., Clark, T. D., Feeney, M. E., Charlebois, et al
2016; 374 (10): 928-939
- **Loss and dysfunction of Vd2? ?d T cells are associated with clinical tolerance to malaria.** *Science translational medicine*
Jagannathan, P., Kim, C. C., Greenhouse, B., Nankya, F., Bowen, K., Eccles-James, I., Muhindo, M. K., Arinaitwe, E., Tappero, J. W., Kamya, M. R., Dorsey, G., Feeney, M. E.
2014; 6 (251): 251ra117-?
- **IFN gamma/IL-10 Co-producing Cells Dominate the CD4 Response to Malaria in Highly Exposed Children** *PLOS PATHOGENS*
Jagannathan, P., Eccles-James, I., Bowen, K., Nankya, F., Auma, A., Wamala, S., Ebusu, C., Muhindo, M. K., Arinaitwe, E., Briggs, J., Greenhouse, B., Tappero, J. W., Kamya, et al
2014; 10 (1)
- **Monthly Sulfadoxine-Pyrimethamine During Pregnancy Prevents Febrile Respiratory Illnesses: A Secondary Analysis of a Malaria Chemoprevention Trial in Uganda.** *Open forum infectious diseases*
Lee, J. J., Kakuru, A., Jacobson, K. B., Kamya, M. R., Kajubi, R., Ranjit, A., Gaw, S. L., Parsonnet, J., Benjamin-Chung, J., Dorsey, G., Jagannathan, P., Roh, M. E.
2024; 11 (4): ofae143
- **Dramatic resurgence of malaria after 7 years of intensive vector control interventions in Eastern Uganda.** *medRxiv : the preprint server for health sciences*
Kamya, M. R., Nankabirwa, J. I., Arinaitwe, E., Rek, J., Zedi, M., Maiteki-Sebuguzi, C., Opigo, J., Staedke, S. G., Oruni, A., Donnelly, M. J., Greenhouse, B., Briggs, J., Krezanoski, et al
2024
- **Atypical B cells consist of subsets with distinct functional profiles.** *iScience*
Reyes, R. A., Batugedara, G., Dutta, P., Reers, A. B., Garza, R., Ssewanyana, I., Jagannathan, P., Feeney, M. E., Greenhouse, B., Bol, S., Ay, F., Bunnik, E. M.
2023; 26 (12): 108496
- **Safety and efficacy of inhaled interferon-#1a (SNG001) in adults with mild-to-moderate COVID-19: a randomized, controlled, phase II trial.** *EClinicalMedicine*
Jagannathan, P., Chew, K. W., Giganti, M. J., Hughes, M. D., Moser, C., Main, M. J., Monk, P. D., Javan, A. C., Li, J. Z., Fletcher, C. V., McCarthy, C., Wohl, D. A., Daar, et al
2023; 65: 102250
- **Sex-Linked Differences in Malaria Risk Across the Lifespan.** *Current topics in microbiology and immunology*
Briggs, J., Murray, M., Nideffer, J., Jagannathan, P.

2023; 441: 185-208

- **The Tomato Brown Rugose Fruit Virus Movement Protein Gene Is a Novel Microbial Source Tracking Marker.** *Applied and environmental microbiology*
Natarajan, A., Fremin, B. J., Schmidtke, D. T., Wolfe, M. K., Zlitni, S., Graham, K. E., Brooks, E. F., Severyn, C. J., Sakamoto, K. M., Lacayo, N. J., Kuersten, S., Koble, J., Caves, et al
2023: e0058323
- **Researching COVID to Enhance Recovery (RECOVER) adult study protocol: Rationale, objectives, and design.** *PloS one*
Horwitz, L. I., Thaweethai, T., Brosnahan, S. B., Cicek, M. S., Fitzgerald, M. L., Goldman, J. D., Hess, R., Hodder, S. L., Jacoby, V. L., Jordan, M. R., Krishnan, J. A., Laiyemo, A. O., Metz, et al
2023; 18 (6): e0286297
- **Immune mechanisms underlying COVID-19 pathology and post-acute sequelae of SARS-CoV-2 infection (PASC).** *eLife*
Mohandas, S., Jagannathan, P., Henrich, T. J., Sherif, Z. A., Bime, C., Quinlan, E., Portman, M. A., Gennaro, M., Rehman, J., RECOVER Mechanistic Pathways Task Force, Bradfute, S. B., Chen, B. K., Connors, T. J., et al
2023; 12
- **Regulation of fetal tolerance by KIR⁺ regulatory CD8⁺ T cells in human pregnancy**
Li, J., Li, L., Prunicki, M., Narasimhan, P., Mallajosyula, V., Kiro Singh, A., Jagannathan, P., Winn, V., Nadeau, K., Gaw, S., Davis, M. M.
AMER ASSOC IMMUNOLOGISTS.2023
- **Impact of high human genetic diversity in Africa on immunogenicity and efficacy of RTS,S/AS01 vaccine.** *Immunogenetics*
Tukwasibwe, S., Mboowa, G., Sserwadda, I., Nankabirwa, J. I., Arinaitwe, E., Ssewanyana, I., Taremwa, Y., Tumusiime, G., Kamya, M. R., Jagannathan, P., Nakimuli, A.
2023
- **Spheromers reveal robust T cell responses to the Pfizer/BioNTech vaccine and attenuated peripheral CD8+ T cell responses post SARS-CoV-2 infection.** *Immunity*
Gao, F., Mallajosyula, V., Arunachalam, P. S., van der Ploeg, K., Manohar, M., Röltgen, K., Yang, F., Wirz, O., Hoh, R., Haraguchi, E., Lee, J. Y., Willis, R., Ramachandiran, et al
2023
- **Can we reduce malaria in pregnancy and improve birth outcomes?** *Lancet (London, England)*
Kakuru, A., Jagannathan, P.
2023
- **Potent transmission-blocking monoclonal antibodies from naturally exposed individuals target a conserved epitope on Plasmodium falciparum Pfs230.** *Immunity*
Ivanochko, D., Fabra-García, A., Teelen, K., van de Vegte-Bolmer, M., van Gemert, G. J., Newton, J., Semesi, A., de Bruijini, M., Bolscher, J., Ramjith, J., Szabat, M., Vogt, S., Kraft, et al
2023; 56 (2): 420-432.e7
- **Highly potent, naturally acquired human monoclonal antibodies against Pfs48/45 block Plasmodium falciparum transmission to mosquitoes.** *Immunity*
Fabra-García, A., Hailemariam, S., de Jong, R. M., Janssen, K., Teelen, K., van de Vegte-Bolmer, M., van Gemert, G. J., Ivanochko, D., Semesi, A., McLeod, B., Vos, M. W., de Bruijini, M. H., Bolscher, et al
2023; 56 (2): 406-419.e7
- **Challenges in Harnessing Shared Within-Host Severe Acute Respiratory Syndrome Coronavirus 2 Variation for Transmission Inference.** *Open forum infectious diseases*
Walter, K. S., Kim, E., Verma, R., Altamirano, J., Leary, S., Carrington, Y. J., Jagannathan, P., Singh, U., Holubar, M., Subramanian, A., Khosla, C., Maldonado, Y., Andrews, et al
2023; 10 (2): ofad001
- **Seroprevalence of Antibodies to SARS-CoV-2 in Rural Households in Eastern Uganda, 2020-2022.** *JAMA network open*
Briggs, J., Takahashi, S., Nayebare, P., Cuu, G., Rek, J., Zedi, M., Kizza, T., Arinaitwe, E., Nankabirwa, J. I., Kamya, M., Jagannathan, P., Jacobson, K., Rosenthal, et al
2023; 6 (2): e2255978
- **Tomato brown rugose fruit virus Mo gene is a novel microbial source tracking marker.** *bioRxiv : the preprint server for biology*
Natarajan, A., Fremin, B. J., Schmidtke, D. T., Wolfe, M. K., Zlitni, S., Graham, K. E., Brooks, E. F., Severyn, C. J., Sakamoto, K. M., Lacayo, N. J., Kuersten, S., Koble, J., Caves, et al
2023

- **Type I regulatory T cells in malaria: of mice and men** Jason Nideffer, Prasanna Jagannathan *JOURNAL OF CLINICAL INVESTIGATION*
Nideffer, J., Jagannathan, P.
2023; 133 (1)
- **Metagenomic next-generation sequencing to characterize potential etiologies of non-malarial fever in a cohort living in a high malaria burden area of Uganda.** *PLOS global public health*
Mwakibete, L., Takahashi, S., Ahyong, V., Black, A., Rek, J., Ssewanyana, I., Kanya, M., Dorsey, G., Jagannathan, P., Rodriguez-Barraquer, I., Tato, C. M., Greenhouse, B.
2023; 3 (5): e0001675
- **Development of a Definition of Postacute Sequelae of SARS-CoV-2 Infection.** *JAMA*
Thaweethai, T., Jolley, S. E., Karlson, E. W., Levitan, E. B., Levy, B., McComsey, G. A., McCorkell, L., Nadkarni, G. N., Parthasarathy, S., Singh, U., Walker, T. A., Selvaggi, C. A., Shinnick, et al
2023
- **Predictors of SARS-CoV-2 RNA From Nasopharyngeal Swabs and Concordance With Other Compartments in Nonhospitalized Adults With Mild to Moderate COVID-19.** *Open forum infectious diseases*
Moser, C., Li, J. Z., Eron, J. J., Aga, E., Daar, E. S., Wohl, D. A., Coombs, R. W., Javan, A. C., Bender Ignacio, R. A., Jagannathan, P., Ritz, J., Sieg, S. F., Parikh, et al
2022; 9 (11): ofac618
- **Favipiravir for treatment of outpatients with asymptomatic or uncomplicated COVID-19: a double-blind randomized, placebo-controlled, phase 2 trial.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Holubar, M., Subramanian, A., Purington, N., Hedlin, H., Bunning, B., Walter, K. S., Bonilla, H., Boumis, A., Chen, M., Clinton, K., Dewhurst, L., Epstein, C., Jagannathan, et al
2022
- **Gastrointestinal symptoms and fecal shedding of SARS-CoV-2 RNA suggest prolonged gastrointestinal infection.** *Med (New York, N.Y.)*
Natarajan, A., Zlitni, S., Brooks, E. F., Vance, S. E., Dahlen, A., Hedlin, H., Park, R. M., Han, A., Schmidtke, D. T., Verma, R., Jacobson, K. B., Parsonnet, J., Bonilla, et al
2022
- **Targeted newborn metabolomics: prediction of gestational age from cord blood.** *Journal of perinatology : official journal of the California Perinatal Association*
Jasper, E. A., Oltman, S. P., Rogers, E. E., Dagle, J. M., Murray, J. C., Kanya, M., Kakuru, A., Kajubi, R., Ochieng, T., Adrama, H., Okitwi, M., Olwoch, P., Jagannathan, et al
1800
- **Gender difference in the incidence of malaria diagnosed at public health facilities in Uganda.** *Malaria journal*
Okiring, J., Epstein, A., Namuganga, J. F., Kanya, E. V., Nabende, I., Nassali, M., Sserwanga, A., Gonahasa, S., Muwema, M., Kiwuwa, S. M., Staedke, S. G., Kanya, M. R., Nankabirwa, et al
1800; 21 (1): 22
- **Early non-neutralizing, afucosylated antibody responses are associated with COVID-19 severity.** *Science translational medicine*
Chakraborty, S., Gonzalez, J. C., Sievers, B. L., Mallajosyula, V., Chakraborty, S., Dubey, M., Ashraf, U., Cheng, B. Y., Kathale, N., Tran, K. Q., Scallan, C., Sinnott, A., Cassidy, et al
1800: eabm7853
- **Antibodies elicited by SARS-CoV-2 infection or mRNA vaccines have reduced neutralizing activity against Beta and Omicron pseudoviruses.** *Science translational medicine*
Sievers, B. L., Chakraborty, S., Xue, Y., Gelbart, T., Gonzalez, J. C., Cassidy, A. G., Golan, Y., Prah, M., Gaw, S. L., Arunachalam, P. S., Blish, C. A., Boyd, S. D., Davis, et al
1800: eabn7842
- **Long Term Accuracy of SARS-CoV-2 Interferon-# Release Assay and its Application in Household Investigation.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*
Murugesan, K., Jagannathan, P., Altamirano, J., Maldonado, Y. A., Bonilla, H. F., Jacobson, K. B., Parsonnet, J., Andrews, J. R., Shi, R. Z., Boyd, S., Pinsky, B. A., Singh, U., Banaei, et al
2022
- **Piperaquine induced QTc prolongation decreases with repeated monthly dihydroartemisinin-piperaquine dosing in pregnant Ugandan women.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*

- Hughes, E., Wallender, E., Kajubi, R., Jagannathan, P., Ochieng, T., Kakuru, A., Kanya, M. R., Clark, T. D., Rosenthal, P. J., Dorsey, G., Aweeka, F., Savic, R. M. 2021
- **Identifying an optimal dihydroartemisinin-piperaquine dosing regimen for malaria prevention in young Ugandan children.** *Nature communications*
Wallender, E., Ali, A. M., Hughes, E., Kakuru, A., Jagannathan, P., Muhindo, M. K., Opira, B., Whalen, M., Huang, L., DuvalSaint, M., Legac, J., Kanya, M. R., Dorsey, et al
2021; 12 (1): 6714
 - **DIMINISHED V delta 2+delta gamma T CELL CYTOKINE PRODUCTION AND DEGRANULATION FOLLOWING IN VITRO MALARIA EXPOSURE**
Dantzer, K., Klemm, S., Rek, J., Nankya, F., Ssewanyana, I., Kanya, M., Greenhouse, B., Dorsey, G., Feeney, M., Greenleaf, W., Jagannathan, P.
AMER SOC TROP MED & HYGIENE.2021: 16
 - **MALARIA-DRIVEN EXPANSION OF MATURE, SHORT-LIVED FUNCTIONAL CD56NEG NK CELLS CORRELATES WITH CLINICAL IMMUNITY TO MALARIA**
Ty, M., de la Parte, L., Dantzer, K., van der Ploeg, K., Callaway, P., Tukwasibwe, S., Rek, J., Arinaitwe, E., Ssewanyana, I., Nankya, F., Musinguzi, K., Dorsey, G., Boyle, et al
AMER SOC TROP MED & HYGIENE.2021: 16-17
 - **SEX-BASED IMMUNOLOGICAL DIFFERENCES AMONG MALARIA-EXPOSED UGANDANS INCLUDES ABERRANT HEMATOPOIESIS**
Nideffer, J., Ty, M., Nayebar, P., Nankya, F., Musinguzi, K., Briggs, J., Greenhouse, B., John, R., Kanya, M., Dorsey, G., Ssewanyana, I., Jagannathan, P.
AMER SOC TROP MED & HYGIENE.2021: 292
 - **IDENTIFYING AN OPTIMAL DIHYDROARTEMISININ-PIPERAQUINE DOSING REGIMEN FOR MALARIA PREVENTION IN YOUNG UGANDAN CHILDREN**
Wallender, E., Ali, A., Hughes, E., Kakuru, A., Jagannathan, P., Muhindo, M., Opira, B., Whalen, M., Huang, L., Kanya, M., Dorsey, G., Aweeka, F., Rosenthal, et al
AMER SOC TROP MED & HYGIENE.2021: 367
 - **PERIPHERAL PLASMODIUM FALCIPARUM INFECTION IN EARLY PREGNANCY IS ASSOCIATED WITH INCREASED MATERNAL MICROCHIMERISM IN THE OFFSPRING**
Simon, N., Shallat, J., Houck, J., Jagannathan, P., Prah, M., Muhindo, M., Kakuru, A., Olwoch, P., Feeney, M., Harrington, W.
AMER SOC TROP MED & HYGIENE.2021: 7
 - **CELLULAR CORRELATES FOR PROTECTION AGAINST MALARIA ACQUIRED ACROSS MULTIPLE PREGNANCIES**
Kirosingh, A., De La Parte, L., Ty, M., Kakuru, A., Muhindo, M. K., Thulin, N., Kanya, M., Feeney, M., Dorsey, G., Wang, T., Jagannathan, P.
AMER SOC TROP MED & HYGIENE.2021: 219
 - **New-onset IgG autoantibodies in hospitalized patients with COVID-19.** *Nature communications*
Chang, S. E., Feng, A., Meng, W., Apostolidis, S. A., Mack, E., Artandi, M., Barman, L., Bennett, K., Chakraborty, S., Chang, I., Cheung, P., Chinthrajah, S., Dhingra, et al
2021; 12 (1): 5417
 - **SARS-CoV-2 Antiviral Therapy.** *Clinical microbiology reviews*
Tao, K., Tzou, P. L., Nouhin, J., Bonilla, H., Jagannathan, P., Shafer, R. W.
2021: e0010921
 - **Peripheral Plasmodium falciparum infection in early pregnancy is associated with increased maternal microchimerism in the offspring.** *The Journal of infectious diseases*
Simon, N., Shallat, J., Houck, J., Jagannathan, P., Prah, M., Muhindo, M. K., Kakuru, A., Olwoch, P., Feeney, M. E., Harrington, W. E.
2021
 - **Immunity after SARS-CoV-2 infections.** *Nature immunology*
Jagannathan, P., Wang, T. T.
2021
 - **Standardized and optimized preservation, extraction and quantification techniques for detection of fecal SARS-CoV-2 RNA.** *medRxiv : the preprint server for health sciences*
Natarajan, A., Han, A., Zlitni, S., Brooks, E. F., Vance, S. E., Wolfe, M., Singh, U., Jagannathan, P., Pinsky, B. A., Boehm, A., Bhatt, A. S.
2021

- **Malaria PK/PD and the role pharmacometrics can play in the global health arena: Malaria treatment regimens for vulnerable populations.** *Clinical pharmacology and therapeutics*
Hughes, E., Wallender, E., Ali, A. M., Jagannathan, P., Savic, R. M.
2021
- **Diversity of KIR genes and their HLA-C ligands in Ugandan populations with historically varied malaria transmission intensity.** *Malaria journal*
Tukwasibwe, S., Traherne, J. A., Chazara, O., Jayaraman, J., Trowsdale, J., Moffett, A., Jiang, W., Nankabirwa, J. I., Rek, J., Arinaitwe, E., Nsoyba, S. L., Atuheirwe, M., Frank, et al
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