

Laura S. Peterson, MD
Instructor
Division of Neonatal and Developmental Medicine
Department of Pediatrics
Stanford University School of Medicine
Palo Alto, CA

Education and Training

9/2005-6/2008 Bachelor of Science, Brown University, Providence RI
Summa Cum Laude (Biophysics)

8/2009-5/2013 Doctor of Medicine, Vanderbilt Medical School, Nashville, TN

7/2013-5/2014 Resident in Anatomic and Clinical Pathology, University of Washington,
Seattle, WA

6/2014-6/2017 Resident in Pediatrics, University of Michigan, Ann Arbor, MI

07/2017- 7/2020 Fellow in Neonatal-Perinatal Medicine, Stanford University, Palo Alto, CA

Honors and Awards

July 2018 Children's Health Research Institute Medical Trainee Research Grant
(Competitive grant to support fellow research)

December 2016 and March 2017 Medical Student Education Award (Awarded to residents nominated by
medical students for strong teaching and education skills)

May 2013 John L Shapiro Award for Excellence (Awarded to resident or graduating
medical student who has shown excellence in research)

April 2010 Jackson Memorial Education Fund Awardee (Scholarship used to travel to
Kenya to conduct research on helminth infections in primary school children)

January 2010 Microbes and Defense Academic Society (Vanderbilt immunology and
microbiology honors society)

February 2008 Sigma Chi (National science honors society)

March 2007 Barry M. Goldwater Scholarship, honorable mention (Federal scholarship
awarded to undergraduates with outstanding potential in the sciences)

Certification and Licensure

10/2017-current American Board of Pediatrics Certification
06/2017-current California Medical License, currently active
6/2014-06/2017 Michigan Limited Education License, currently inactive
7/2013-7/2014 Washington Limited Education License, currently inactive

Professional Memberships

Society of Pediatric Research, July 2018-present
American Academy of Pediatrics, July 2014-present
American Academy of Pediatrics Michigan Chapter, July 2014-July 2017
Michigan State Medical Society, July 2014-July 2017
Washtenaw County Medical Society, May 2014- July 2017

Research Experience

Co-evolution of the Premature Immune System and Microbiome Stanford University, October 2019- present, Role: co-Primary Researcher.

Primary Faculty Advisors: Brice Gaudilliere, MD, PhD, and David Relman, MD

- Collect blood and stool from premature neonates over the course of their hospitalization.
- Utilize high-dimensional mass cytometry to map the peripheral immune system and cutting edge microbiome RNA sequencing to map the gut microbiome.
- Leverage machine-learning techniques to visualize the co-evolution of microbiome and immune system.

Profiling the Neonatal Immune System across Gestational Ages Stanford University.

October 2017-present. Role: Primary Researcher.

Primary Faculty Advisor: Brice Gaudilliere, MD, PhD

- Utilize high-dimensional mass cytometry to comprehensively map the cell populations and behavior of the neonatal immune system at birth from infants of various gestational ages.
- Identify unique immune signatures and specific derangements in the innate and adaptive immune system of premature newborns.
- Presented preliminary data at several international, national, and regional conferences.
- Manuscript in process.

Sex Differences in the Newborn Immune System Stanford University. January 2018-Present.

Role: Primary Researcher

Primary Faculty Advisor: Brice Gaudilliere, MD, PhD

- Analyze umbilical cord blood of male and female newborns using high-dimensional mass cytometry.
- Identify distinct differences in the behavior and composition of immune cells between males and females.
- Manuscript in process.

Multi-omic Prediction of the Onset of Labor Stanford University. January 2018-present. Role: Collaborator.

Primary Faculty Mentor: Brice Gaudilliere, MD, PhD

- Implemented multiple high-dimensional “omic” technologies, including mass cytometry (cytomics), proteomics, metabolomics, and transcriptomics on samples collected throughout gestation from 100 pregnant women.
- Collaborated with data scientists to use machine learning techniques (LASSO) to create a predictive model of the onset of labor.

Leveraging Uncertainty During Cell Population Discovery for Robust Prediction of Clinical Outcome Stanford University, January 2019-October 2019. Role: Collaborator.

Primary Faculty Advisor: Nima Aghaeepour, PhD

- Collaborated with data scientists to devise new machine learning clustering algorithm (Sabatr) designed specifically to be used in the study of mass cytometry data and clinical studies.
- Manuscript under review.

Integration of Mechanistic Immunological Knowledge into a Machine Learning Pipeline

Stanford University. January 2018-October 2019. Role: Collaborator.

Primary Faculty Advisor: Nima Aghaeepour, PhD

- Provided guidance on the creation of a powerful new machine learning technique specifically designed to analyze high-dimensional data that includes cell signaling behaviors (Cell Signaling Elastic Net).
- Manuscript under review.

Maternal Immune Profile in Pre-eclampsia Stanford University. January 2018-January 2019.

Role: Collaborator.

Primary Faculty Advisor: Brice Gaudilliere, MD, PhD

- Utilized Mass Cytometry and the machine learning algorithm LASSO to study the immune phenotype, basal signaling tone, and response to cytokine and antigenic stimuli among mothers with and without pre-eclampsia throughout gestation and post-partum.
- Publication in *Frontiers of Immunology*

Placental Origins of Pre-eclampsia (POPE) Stanford University. August 2018-August 2019.

Role: Collaborator.

Primary Faculty Advisor: Virginia Winn, MD, PhD

- Provided technical support and guidance on large institutional study examining the connection between placental pathology and preeclampsia.

The Role of Progesterone in Human Immunology Stanford University. February 2018-August 2018. Role: Collaborator

Primary Faculty Advisor: Brice Gaudilliere, MD, PhD

- Conducted experiments with the goal of describing the role of progesterone in modulating the peripheral immune response to cytokine and antigenic stimuli using mass cytometry.

Outcomes of Overweight and Obese Children Compared with Normal Weight Children with Sepsis in the PICU University of Michigan Pediatric Intensive Care Unit. July 2016-July 2017. Role: Co-investigator.

Faculty Advisor: Kanakadurga Singer, MD

- Retrospectively reviewed charts examining the relationship between BMI and a variety of clinical outcomes in the PICU among patients with a diagnosis of sepsis.
- Particular interest paid to the role of acute kidney injury and renal replacement therapy.
- Resulted in first author abstract at Pediatric Academic Society 2017 meeting in San Francisco.

Role of Fibroblast-Specific PAI-1 Expression on Renal Interstitial Fibrosis

Vanderbilt University School of Medicine Department of Pathology, September-October 2012.

Role: Co-investigator.

Faculty Advisor: Agnes Fogo, MD

- Investigated the role of PAI-1, a protease inhibitor thought to be responsible for nephrosclerosis in many disease states including diabetes and hypertension.
- Resulted in present at the United States and Canadian Academy of Pediatrics and peer reviewed publication.

A High-Risk Variant of the ApoL1 Gene Correlates With Increased Interstitial Fibrosis and Tubular Atrophy Among African Americans With Arterionephrosclerosis

Vanderbilt University School of Medicine Department of Pathology, September-October 2012

Role: Co-investigator.

Faculty Advisor: Agnes Fogo, MD

- Analyzed genetic data on a cohort of hypertensive African Americans with and without a high risk ApoL1 gene variant and correlated with various histologic changes in the kidney.
- Resulted in abstract published in *Modern Pathology* and presentations at United States and Canadian Academy of Pathology and American Society of Nephrology Kidney Week.

Interaction of Human Metapneumovirus with Innate Immunity Vanderbilt University School of Medicine Department of Infectious Diseases, October 2010-June 2011

Role: Co-investigator.

Faculty Advisor: John V Williams, MD

- Researched the mechanisms by which hMPV, a major cause of pneumonia and bronchiolitis in children, eludes the innate immune system.
- Resulted in paper published in *Virology*.

Effectiveness of a School-Based Deworming Campaign in Rural Kenya

Lwala Community Health Center, Nyanza Province, Kenya, June-July 2010 Role: Primary Investigator.

Faculty Advisor: Douglas Heimburger, MD

- Worked with primary school aged children in a rural village in Western Kenya and analyzed their stool for the presence of ova and larvae and analyzed for prevalence.
- Resulted in first author paper published in *Journal of Tropical Pediatrics*.

Biophysics of Cell Motility and Cancer Metastasis Columbia University, Amgen Scholarship, May-August 2007. Role: Co-investigator.

Faculty Advisor: Michael Sheetz, PhD

- Examined the mechanisms by which a cell translates mechanical motion into biochemical signals and visa versa.
- Received highly competitive sponsorship from the Amgen Scholars program.

Embryonic Germ-Line Differentiation and Determination Brown University, June-August 2006.

Role: Co-investigator. Faculty Advisor Gary Wessel, PhD

- Researched differentiation of embryonic stem cells into germ-line precursors in basal deutorosomes (*S. purpuratus* and *A. miniata*).

Oral Delivery of Insulin Brown University, August 2005-December 2006 (excluding summer of 2006). Role: Co-investigator.

Faculty Advisor Edith Mathiowitz, PhD

- Identified polymers suitable for nano-encapsulation and GI absorption of biological pharmaceuticals.

Particle Physics and the Standard Model of Physics Smith College, January 2005- May 2006

Role: Co-investigator. F

Faculty Advisor: Piotr Decowski, PhD

- Functioned as part of a large experiment performed at the Stanford Linear Accelerator Center.

Quality Improvement

Reducing acyclovir exposure in the NICU by improving PCR turnaround time

January 2018-July 2018

Faculty advisor: Hayden Schwenk

- Worked with Pediatric Infectious Disease and Virology lab to identify barriers to timely turnaround of herpes simplex virus polymerase chain reaction.
- Implemented guideline to prioritize neonatal HSV PCR to be run within 24h.

PICC placement in the NICU and Patient Safety University of Michigan Brandon Newborn Intensive Care Unit. September 2015-June 2016

Faculty Advisor: Robert Schumacher, MD

- Retrospectively studied patients with serious central-line related complications to identify risk factors related to PICC line placement, with special emphasis on pericardial and pleural effusions.
- Reviewed and revised the current institutional policy on PICC placement in NICU based on best evidence in the literature.
- Developed guideline for appropriate placement and monitoring of PICCs.

Immunization Rates of NICU Graduates University of Michigan Brandon Newborn Intensive Care Unit. September 2015-June 2016.

Faculty Advisors: Gary Weiner, MD and Rebecca Vartanian, MD.

- Reviewed immunization rates of NICU graduates patients at the time of initial hospital discharge and identified areas of weakness.
- Implemented reminders in the electronic medical record to improve rates of timely immunizations.

Committees and Service

State Legislature Advocacy for Laws Encouraging Childhood Vaccination Lansing, MI October 2015

- Opposed proposal in state Senate and House to abolish the requirement that parents attend a vaccine education course at the Health Department prior to being granted a vaccine waiver.
- Developed layperson-friendly hand-outs on the consequences of under-vaccination and the positive public health impact of successful pro-vaccination legislation in other states.
- Traveled to Lansing to meet with several legislators to advocate for our cause.
- Ultimately the law requiring parental education at the Health Department prior to vaccine waiver remained in place.

School Teacher Education on in School Administration of Common Medications Taylor, MI October 2015

- Educated local primary school teachers on the administration of asthma medications, EpiPens, rectal diazepam, and glucagon.

Administration of Fluoride Dental Varnish in the Primary Care Clinic Ypsilanti, MI January 2015-present

- Participated in movement to start administering fluoride varnish in primary care clinic to children with Medicaid insurance who do not yet have an established dental home.

Shade Tree Clinic, Nashville, TN, September 2009- May 2013

- Shade Tree is a free clinic run by Vanderbilt medical students that provides primary care to uninsured patients.
- Frequently volunteered as a provider in the clinic, working 2-5 hours/week in 1st through 4th years of medical school.
- Served as chief physician recruiter, 2012-2013 and as data and records coordinator, 2010-2011.
- Participated in the Shade Tree quality improvement initiative, dedicating 5-9 hours/week during fourth year to the clinic and coordinating efforts to improve the clinic's operations.

Nicaragua Eye Hospital, Managua Nicaragua, March 2011

- Volunteered with a small group of medical students to bring supplies and basic medical services to Nicaragua's largest public eye hospital.

Vanderbilt Volunteers for Science, Nashville, TN August 2009-December 2009

- Taught fun science lessons for underprivileged elementary school students in inner-city Nashville.

Emergency Medical Technician, Brown University, June 2006- June 2008

- Volunteered at Brown University Emergency Medical Services as a licensed EMT-Basic.

Research Assistant on Adolescent Depression and Suicidality at Hasbro Children's Hospital, Providence, RI, June-August 2005

- Interviewed children in the pediatric emergency department as part of an intervention study on adolescent depression and suicidality.

Teaching

Recognition, Diagnosis, and Management of Neonatal Metabolic Disease Stanford University Lucille Packard Children's Hospital, July 2019-present

- Developed curriculum including handouts and slide presentations on neonatal metabolic diseases for Pediatric Residents.

The Well Newborn, University of Michigan School of Medicine, June 2016

- Led lessons and gave short presentations to third year medical students about care of the healthy newborn.

Medical Student Autopsy Elective, University of Washington School of Medicine, September 2013-December 2013

- Led groups of 4-7 medical students through an autopsy as part of a second year elective.
- Answered questions, provided references on the disease processes encountered, and send follow-up information on the microscopic and laboratory test results.

Medical Student Pathology Laboratory, University of Washington School of Medicine, October 2013-December 2013

- Used teaching organs to demonstrate physiology and pathophysiology to second year medical students.

Tutor for Microbiology and Immunology, Vanderbilt University School of Medicine, January-May 2011

- Worked one-on-one with students who needed extra help with first year medical school coursework.

Teaching assistant for Principles of Immunology, Brown University, Fall semesters of 2006 and 2007

- Led a weekly seminar and graded exams and assignments for this notoriously difficult class.

Extramural Posters and Presentations

1. Presentation: **Laura S Peterson**, Xiaoyuan Han, Kazuo Ando, Amy Tsai, Ina Stelzer, Edward Ganio, Amy Tsai, Natalie Stanley, Nima Aghaeepour, Brice Gaudilliere "Deep Profiling of the Neonatal Immune System using CyTOF." International Society for the Advancement of Cytometry CYTO2019 International meeting. Vancouver, Canada June 2019.
2. Presentation: **Laura S Peterson**, Xiaoyuan Han, Amy Tsai, Kazuo Ando, Edward Ganio, Natalie Stanley, Nima Aghaeepour, Brice Gaudilliere "Deep Profiling of the Neonatal Immune System across Gestational ages." Pediatric Academic Society National Meeting. Baltimore, MD April 2019.

3. Presentation: **Laura S Peterson**, Xiaoyuan Han, Kazuo Ando, Edward Ganioo, Amy Tsai, Natalie Stanley, Nima Aghaeepour, Brice Gaudilliere. "The Newborn Immune System across Gestational ages: Deep profiling using Mass Cytometry." Western Society for Pediatric Research Regional Conference. Carmel, CA January 2019.
4. Presentation: **Laura S Peterson**, Xiaoyuan Han, Kazuo Ando, Edward Ganioo, Amy Tsai, Natalie Stanley, Nima Aghaeepour, Brice Gaudilliere. "Deep Profiling of the Neonatal Immune System across Gestational Ages Using Mass Cytometry." Perinatal and Developmental Medicine Symposium of the Section of Neonatal and Perinatal Medicine of the American Academy of Pediatrics. Bonita Springs, CA November 2018.
5. Poster: **Laura S Peterson**, Hannah Segaloff, Cecilia Gállego Suárez, Emily Martin, Folafoluwa Odetola, and Kanakadurga Singer "Outcomes of Overweight and Obese Children Compared with Normal Weight Children with Sepsis in the PICU." Pediatric Academic Society National Meeting. San Francisco, CA May 2017
6. Poster: Lin Yao, **Laura S Peterson**, Amir M Khan, Haichun Yang, Agnes B Fogo "Fibroblast-Specific PAI-1 Depletion Ameliorates Renal Interstitial Fibrosis in Mice After Unilateral Ureteral Obstruction (UUO)." American Society of Nephrology Kidney Week. Atlanta, GA November 2013
1. Poster: **Laura S Peterson**, A. Khan, A. Fogo. "Fibroblast-Specific PAI-1 Depletion Increases Macrophages but not Fibrosis after Unilateral Ureteral Obstruction." United States and Canadian Academy of Pathology annual meeting, Baltimore, MD March 2013.
2. Poster: Huma Fatima, **Laura S. Peterson**, Haichun Yang, and Agnes B. Fogo "A High-Risk Variant of the ApoL1 Gene Correlates With Increased Interstitial Fibrosis and Tubular Atrophy Among African Americans With Arterionephrosclerosis." United States and Canadian Academy of Pathology annual meeting, Baltimore, MD March 2013
3. Platform presentation: **Laura S Peterson** "Medical Student Research Experience in Rural Africa" Northeastern/Southern meeting of the American Association of Medical Colleges, Nashville, TN April 2011.

Intramural Posters and Presentations

1. Presentation: **Laura S Peterson** "Pyridoxal 5'-phosphate-dependent epilepsy: Case presentation and Review of the Literature." Stanford Division of Neonatology Neonatal-Perinatal Conference October 2019.
2. Presentation: **Laura S Peterson**, Brice Gaudilliere "Deep Immune Profiling of the Newborn Immune System across Gestational Ages and with respect to Sex." Stanford Maternal and Child Health Research Institute Lecture Series. Palo Alto, CA April 2019.
3. Presentation: Brice Gaudilliere and **Laura S Peterson** and Gary Shaw "Sex Differences in Premature Birth" Stanford Women's Health and Sex Differences in Medicine and Center for Maternal and Child Health Research Institute Basic and Translational Research symposium on Sex Differences from Conception through Puberty. February 2019.
4. Poster: **Laura S Peterson**, Xiaoyuan Han, Amy Tsai, Kazuo Ando, Edward Ganio, Natalie Stanley, Nima Aghaeepour, Brice Gaudilliere "Deep Profiling of the Neonatal Immune

- System across Gestational ages.” Stanford Maternal and Child Health Research Institute Annual Research Symposium. Palo Alto, CA November 2018.
5. Presentation: **Laura S Peterson** “Outbreaks of Neonatal Necrotizing Enterocolitis: Case Report and Review of Literature.” Stanford University Division of Neonatology Neonatal-Perinatal Conference, June 2018.
 6. Presentation: **Laura S Peterson**, Neha Jurkey “Veno-atrial versus Veno-veno Extracorporeal Membrane Oxygenation in Neonates: Physiology and Review of Literature” Stanford University Divisions of Neonatology and Cardiology, Neonatal-Cardiovascular Conference, May 2018.
 7. Presentation: **Laura S Peterson** “Modulation of the Peripheral Immune Response to the Cytokines IFN α , IL-2, IL-4, IL-6, and the lipopolysaccharide antigen by Progesterone in Healthy Volunteers.” Stanford University Department of Neonatology Research Club, Palo Alto, CA May 2018.
 8. Presentation: **Laura S Peterson** “Outcomes after intrauterine amniotic fluid injection with fetal renal agenesis: Case report and review of literature.” Department of Neonatology Neonatal-Perinatal Conference, February 2018.
 9. Presentation: **Laura S Peterson**. “Teen Pregnancy: Trends and Successful Prevention.” University of Michigan Department of Adolescent Medicine, Ann Arbor, MI May 2017.
 10. Presentation: **Laura S Peterson**. “Outcomes of Overweight and Obese Patients with Sepsis in the PICU: Higher Rates of CRRT and ECMO Usage.” Scholarly Activity Week, University of Michigan Department of Pediatrics and Communicable Diseases. Ann Arbor, MI May 2017.
 11. Presentation: **Laura S Peterson**. “Approach to the neonate with ambiguous genitalia.” University of Michigan Department of Pediatric Endocrinology, Ann Arbor, MI May 2016
 12. Presentation: **Laura S Peterson**, Andrew Hashikawa. “In-school medication administration for elementary school teachers.” Jackson, MI. September 2015.
 13. Presentation: **Laura S Peterson**. “Case report: A lethargic neonate, initial presentation of critical coarctation of the aorta in 10 day old infant after ductal closure.” University of Michigan Pediatrics Morning Report, Ann Arbor, MI December 2014
 14. Poster: Andrew K. Hastings, Sherry Wen, **Laura S Peterson**, and John V. Williams.: “Human Metapneumovirus Modulation of Innate Immune Response.” Vanderbilt Pathology, Microbiology, and Immunology Department Retreat, Nashville, TN August 2011.
 15. Poster: **Laura S Peterson**, M. Ondiek, D. Oloudeh, B. Naul, SH Vermund “Effectiveness of a School-Based Deworming Campaign in Rural Kenya.” Vanderbilt Emphasis Forum, Nashville, TN May 2011.

Bibliography

1. Stelzer IA, Ghaemi MS, Han X, Ando K, Hedou J, Feyaerts D, **Peterson LS**, Rumer K, Tsai E, Ganio E, Gaudilliere D, Tsai A, Choisy B, Gaign L, Verdonk F, Gavasso S, Traber G, Ellenberger M, Stanley N, Becker M, Culos A, Fallazadeh R, Wong R, Damstadt G,

Druzen M, Winn VD, Gibbs RS, Ling XB, Sylverster K, Carvalo B, Snyder MP, Shaw GM, Stevenson DK, Contrepolis K, Angst MS, Aghaeepour N, Gaudilliere B. "Integrated trajectories of the maternal metabolome, proteome, and immunome predict labor onset. *Manuscript currently under review*

2. Natalie Stanley, Ina Stelzer, Ramin Fallahzadeh, Edward Ganio, Amy Tsai, Sajjad Ghaemi, Anthony Culos, Xioayuan Han, Kristen Rumer, **Laura S Peterson**, Martin Becker, Joe Phongpreecha, Huda Nassar, Alan Chang, Ivana Maric, Dyani Gaudilliere, Eileen Tsai, Kazuo Ando, Mike Leipold, Gerlinde Obermoser, Deborah Cross, Andrew Pollard, Holden Maecker, Gary Shaw, David Stevenson, Martin Angst, Brice Gaudilliere, Nima Aghaeepour "Leveraging uncertainty during the cell population discovery for robust prediction of clinical outcome." *Manuscript currently under review.*
3. Anthony Culos, Amy S Tsai, Natalie Stanley, Martin Becker, Mohammad S Ghaemi, David R McIlwain, Ramin Fallahzadeh, Athena Tanada, Huda Nassar, Edward Ganio, **Laura Peterson**, Xioayuan Han, Ina Stelzer, Kazuo Ando, Dyani Gaudilliere, Thanaphong Phongpreecha, Ivana Maric, Alan L Chang, Gary M Shaw, David K Stevenson, Sean Bendall, Kara L Davis, Wendy Fantl, Garry P. Nolan, Trevor Hastie, Robert Tibshirani, Martin S Angst, Brice Gaudilliere, Nima Aghaeepour. "Integration of Mechanistic Immunological Knowledge into a Machine Learning Pipeline Increases Clinical Predictive Power." *Manuscript accepted in Nature Machine Learning as cover article*
4. **Laura S Peterson**, Ina A Stelzer, Amy S Tsai, Mohammed A Ghaemi, Xioayuan Han, Kazuo Ando, Virginia D. Winn, Nadine R Martinez, Kevin Contrepolis, Mira N Moufarrej, David A Relman, Michael P Snyder, Gary M Shaw, David K Stevenson, Ronald J Wong, Stephen Quake, Petra Arck, Martin S Angst, Nima Aghaeepour, Brice Gaudilliere "Multiomic Immune Clockworks of Pregnancy." *Seminars in Immunopathology*. February 2020.
5. Yao L, Write MF, **Peterson LS**, Khan AM, Zhong J, Gewin L, Hao CM, Yang HC, Fogo AB. "Fibroblast-specific plasminogen activator inhibitor-1 depletion ameliorates renal interstitial fibrosis after unilateral ureteral obstruction. *Nephrology Dialysis and Transplant*. Dec 2019.
6. Xiaoyuan Han, Mohammed S Ghaemi, Kazuo Ando, **Laura S Peterson**, Edward A Ganio, Amy S Tsai, Dyani K Gaudilliere, Ina A Stelzer, Jakob Enhaus, Basile Bertrand, Natalie Stanley, Anthony Culos, Athena Tanada, Julien Hedou, Eileen S Tsai, Ramin Fallahzadeh, Ronald J Wong, Amy E Judy, Virginia D Winn, Maurice L Druzen, Yair J Blumenfeld, Mark A Hlatky, Cecele C. Quaintance, Ronald S Gibbs, Brendan Carvalho, Gary M Shaw, David Stevenson, Martin S Angst, Nima Aghaeepour and Brice Gaudilliere "Differential Dynamics of the Maternal Immune System in Healthy Pregnancy and Preeclampsia." Article in *Frontiers of Immunology*. June 2019.
7. **Laura S Peterson**, Cecelia Gallego Suarez, Hannah Segaloff, Cameron Griffin, Emily Martin, Folafoluwa Odetola, Kanakadurga Singer. "Outcomes and Resource Use among Overweight and Obese Children with Sepsis in the Pediatric Intensive Care Unit." Article in *Journal of Intensive Care Medicine*. February 2018.
8. Andrew K Hastings, Katherine R Amato, Sherry C Wen, **Laura S Peterson**, John V Williams "Human metapneumovirus small hydrophobic (SH) protein downregulates type I

IFN pathway signaling by affecting STAT1 expression and phosphorylation.” Article in *Virology*. April 2016

9. **Laura S Peterson**, A. Khan, H. Yang, A. Fogo. “Fibroblast-Specific PAI-1 Depletion Increases Macrophages but not Fibrosis after Unilateral Ureteral Obstruction.” Abstract in *Modern Pathology*. March 2013.
10. Huma Fatima, **Laura S Peterson**, H. Yang, A. Fogo. “High Risk Variant of ApoL1 Gene Correlates with Interstitial Fibrosis and Tubular Atrophy in African American Patients with Arterionephrosclerosis.” Abstract in *Modern Pathology*. March 2013.
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12. **Laura S Peterson**, M. Ondiek, D. Oludeh. “Effectiveness of a School-Based Deworming Campaign in Rural Kenya.” *Journal of Tropical Pediatrics*. April 2011.