



David K. Stevenson, M.D.

The Harold K. Faber Professor of Pediatrics, Senior Associate Dean, Maternal and Child Health and Professor, by courtesy, of Obstetrics and Gynecology
Pediatrics - Neonatal and Developmental Medicine

CLINICAL OFFICES

- **Neonatal Intensive Care Unit**

725 Welch Rd

Palo Alto, CA 94304

Tel (650) 497-8800

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Zaida Esquivel

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Bio

CLINICAL FOCUS

- Neonatology
- Neonatal-Perinatal Medicine

ACADEMIC APPOINTMENTS

- Professor, Pediatrics - Neonatal and Developmental Medicine
- Professor (By courtesy), Obstetrics & Gynecology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Affiliate, Stanford Woods Institute for the Environment

ADMINISTRATIVE APPOINTMENTS

- Chief, Division of Neonatal and Developmental Medicine, Stanford University School of Medicine, (1989-2007)
- Program Director, Training in Developmental and Neonatal Biology, Stanford University School of Medicine, (1989-2015)
- Harold K. Faber Professor of Pediatrics, Stanford University School of Medicine, (1992- present)
- Associate Program Director, General Clinical Research Center; Head, Pediatric Component, Stanford University School of Medicine, (1993-2008)
- Director, Charles B. and Ann L. Johnson Center for Pregnancy and Newborn Services, Lucile Packard Children's Hospital at Stanford, (1997-2017)
- Senior Associate Dean for Academic Affairs, Stanford University School of Medicine, (2001-2013)
- Vice Dean, Stanford University School of Medicine, (2006-2013)
- Co-Director, Stanford Center for Clinical and Translational Education and Research, (2008-2018)
- Co-Leader, Stanford Clinical and Translational Unit (CTRU), (2008-2018)
- Leader, Spectrum Child Health, (2008-2018)
- Senior Associate Dean for Maternal & Child Health, Stanford University School of Medicine, (2014- present)

HONORS AND AWARDS

- Kaiser Award for Outstanding and Innovative Contributions to Medical Education, The Henry J. Kaiser Family Foundation (1983)
- Ross Young Investigator Award, Western Society for Pediatric Research (1990)
- American Academy of Pediatrics Award for Excellence in Pediatric Research, American Academy of Pediatrics (1991)
- The Duane Alexander Award for Academic Leadership in Perinatal Medicine, The National Institute of Child Health and Human Development (2003)
- Advisor of Highest Distinction for Exemplary Contributions to Undergraduate Education, Stanford University (2004)
- MENTOR Award for Excellence in Research Training, The National Institute of Child Health and Human Development (2004)
- The Neonatal Education Award in Perinatal Pediatrics, American Academy of Pediatrics (2004)
- Virginia Apgar Award in Perinatal Pediatrics, American Academy of Pediatrics (2006)
- Albion Walter Hewlett Award, Stanford University School of Medicine (2009)
- Alwin C. Rambar-James B.D. Mark Award for Excellence in Patient Care, Stanford University School of Medicine (2009)
- Joseph W. St. Geme, Jr. Education Award, Western Society for Pediatric Research (2009)
- Jonas Salk Award for Leadership in Prematurity Prevention, March of Dimes Foundation (2011)
- Maureen Andrew Mentor Award, Society for Pediatric Research (2011)
- Member, Institute of Medicine, National Academy of Sciences (2012)
- William A. Silverman Lectureship, American Academy of Pediatrics (2013)
- James L (Scooter) Haywood Memorial Lecture, University of Alabama (2014)
- Member, National Academy of Medicine, 2015, National Academy of Medicine (2015)
- Gladys J. Fashena Lecture, University of Texas Southwestern Medical Center (2016)
- Joseph W. St. Geme, Jr. Leadership Award, Federation of Pediatric Organizations (2016)
- Robert B. Cotton Lecture, Vanderbilt University School of Medicine (2016)
- Stanley Wright Memorial Lecture, Western Society for Pediatric Research (2016)
- 23rd Annual Kurt Benirschke Lecture, University of California San Diego, School of Medicine (2017)
- 9th Gregor Stoddard Lecture, University of Colorado (2017)
- Frank H. Morriss, Jr. Leadership Award, University of Iowa Carver College of Medicine (2017)
- Medical Staff Distinguished Service Award, LPCH (2018)
- The John Howland Award, American Pediatric Society (2019)
- The Kristine Sandberg Knisely Lectureship Award, Perelman School of Medicine at the the University of Pennsylvania (2019)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Secretary-Treasurer, Western Society for Pediatric Research (1986 - 1990)
- Committee on Awards for Excellence in Pediatric Research, American Academy of Pediatrics (1987 - 1991)
- Member, Ross Laboratory Seminars on Perinatal Medicine Advisory Board (1987 - 1995)
- Neonatal-Perinatal Examination Committee, American Board of Pediatrics (1990 - 1996)
- Member, American Academy of Pediatrics Executive Committee, Section on Perinatal Pediatrics (1991 - 1998)
- Chair, American Academy of Pediatrics Executive Committee, Section on Perinatal Pediatrics (1994 - 1996)
- Member, March of Dimes Basil O'Connor Advisory Committee (1995 - 2002)
- President, Western Society for Pediatric Research (1996 - 1997)
- Liaison Member for Section on Perinatal Pediatrics, Committee on Fetus and Newborn (COFN), American Academy of Pediatrics (1997 - 1998)

- Chair, Western Conference for Perinatal Research, (Mead Johnson Nutritionals) (1997 - 2002)
- Member, Sub-Board of Neonatal-Perinatal Medicine (1997 - 2002)
- Member, Council of the American Pediatric Society (1997 - 2007)
- President, California Association of Neonatologists (CAN) (1999 - 2000)
- Chair, Sub-Board of Neonatal-Perinatal Medicine, American Board of Pediatrics (2000 - 2002)
- Program Chair, Pediatric Academic Societies Annual Meeting (2000 - 2003)
- Vice President/President-Elect, American Pediatric Society (2004 - 2005)
- Board of Directors, American Board of Pediatrics (2004 - 2009)
- President, American Pediatric Society (2005 - 2006)
- Board of Directors, Children's Health Council (2005 - 2008)
- Scientific Advisory Board, Faculty of Pharmacy, University of Lisboa, Portugal (2007 - present)
- Chair, Long Range Planning Committee, American Board of Pediatrics (2009 - 2013)
- Task Force on Subspecialty Training and Certification, American Board of Pediatrics (2010 - 2013)
- Maureen Andrew Mentor Award Selection Committee, Society for Pediatric Research (2011 - 2013)
- Affiliated Faculty Member, Woods Institute (2011 - present)
- Chair, Maureen Andrew Mentor Award Selection Committee, Society for Pediatric Research (2013 - 2013)
- Transdisciplinary Centers (TDC) Advisory Committee, Ex Officio Member, March of Dimes (2013 - present)
- Guest Professor, Juntendo University, Tokyo, Japan (2015 - present)

PROFESSIONAL EDUCATION

- Board Certification: Neonatal-Perinatal Medicine, American Board of Pediatrics (1979)
- Board Certification: Pediatrics, American Board of Pediatrics (1979)
- Fellowship: Stanford University Medical Center (1979) CA
- Residency: University of Washington School of Medicine (1977) WA
- Internship: University of Washington School of Medicine (1976) WA
- Medical Education: University of Washington School of Medicine (1975) WA
- B.A., Stanford University , Philosophy (1971)
- M.D., University of Washington School of Medicine , Medicine (1975)

LINKS

- Division of Neonatal and Developmental Medicine: <http://neonatology.stanford.edu/>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Our research is focused on the study of the ontogeny and control of heme catabolism and bilirubin production in the developing neonate. A better understanding of the role of increased bilirubin production in neonatal jaundice and the prevention of hemolytic jaundice has remained an overall objective of our program. To this end, we are actively investigating a more targeted, preventive approach to the diagnosis and treatment of newborns, who are high producers of the pigment and/or unable to efficiently eliminate bilirubin, thus leading to an accumulation of the pigment in circulation and tissues, which may lead to irreversible neurologic injury. Control of bilirubin production is a logical strategy, but has unexplored consequences for the immature mammal. Thus, we are studying the pivotal role of heme oxygenase (HO), the rate-limiting enzyme in the production of bilirubin, under a variety of commonly encountered pathological conditions, such as infection and hypoxia-ischemia, as well as in anti-oxidant defense, immune response and the regulation of hematopoiesis. In support of the above interests, studies are in progress, which are designed to

screen a variety of metalloporphyrins and other compounds for maximum in vitro and in vivo efficacy with minimal side effects; to determine the ontogeny of the HO enzyme system in various murine tissues, focusing on perturbations resulting from treatment with HO inhibitors; and further to develop and test new technologies for noninvasive or minimally-invasive measurements of in vivo metabolism that could be used for diagnostic and monitoring purposes.

CLINICAL TRIALS

- Cycled Phototherapy: A Safer Effective Treatment for Small Premature Infants?, Recruiting
- Vitamin E for Extremely Preterm Infants, Recruiting
- Antenatal Phenobarbital to Prevent Neonatal Intracranial Hemorrhage, Not Recruiting
- Benchmarking Initiative to Reduce Bronchopulmonary Dysplasia, Not Recruiting
- Development of Standards for the New Ballard Maturation Score, Not Recruiting
- Dexamethasone Therapy in VLBW Infants at Risk of CLD, Not Recruiting
- Early Blood Pressure Management in Extremely Premature Infants, Not Recruiting
- Early Surfactant to Reduce Use of Mechanical Breathing in Low Birth Weight Infants, Not Recruiting
- Exosurf Neonatal and Survanta for Treatment of Respiratory Distress Syndrome, Not Recruiting
- Glutamine Supplementation to Prevent Death or Infection in Extremely Premature Infants, Not Recruiting
- Growth Observational Study, Not Recruiting
- In Utero Magnesium Sulfate Exposure: Effects on Extremely-Low-Birth-Weight Infants, Not Recruiting
- Inflammatory Cytokines Associated With Perinatal Brain Injury, Not Recruiting
- Inhaled Nitric Oxide Study for Respiratory Failure in Newborns, Not Recruiting
- Inhaled PGE1 in Neonatal Hypoxemic Respiratory Failure, Not Recruiting
- Laparotomy vs. Drainage for Infants With Necrotizing Enterocolitis, Not Recruiting
- Late Hypothermia for Hypoxic-Ischemic Encephalopathy, Not Recruiting
- Minimal Breathing Support and Early Steroids to Prevent Chronic Lung Disease in Extremely Premature Infants (SAVE), Not Recruiting
- Observational Study of Surgical Treatment of Necrotizing Enterocolitis, Not Recruiting
- Optimizing (Longer, Deeper) Cooling for Neonatal Hypoxic-Ischemic Encephalopathy(HIE), Not Recruiting
- Persistent Pulmonary Hypertension of the Newborn (PPHN) Observational Study, Not Recruiting
- Prediction of Jaundice in Term Infants, Not Recruiting
- Supplemental Therapeutic Oxygen for Prethreshold Retinopathy of Prematurity, Not Recruiting
- Trial of Indomethacin Prophylaxis in Preterm Infants (TIPP), Not Recruiting
- Vitamin A Supplementation for Extremely-Low-Birth-Weight Infants, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Christina Konecny

Publications

PUBLICATIONS

- **Differential Dynamics of the Maternal Immune System in Healthy Pregnancy and Preeclampsia** *FRONTIERS IN IMMUNOLOGY*
Han, X., Ghaemi, M. S., Ando, K., Peterson, L. S., Ganio, E. A., Tsai, A. S., Gaudilliere, D. K., Stelzer, I. A., Einhaus, J., Bertrand, B., Stanley, N., Culos, A., Tanada, et al

2019; 10

- **A Genome-Wide Analysis of Clinical Chorioamnionitis among Preterm Infants.** *American journal of perinatology*
Spiegel, A. M., Li, J., Oehlert, J. W., Mayo, J. A., Quaintance, C. C., Girsen, A. I., Druzin, M. L., El-Sayed, Y. Y., Shaw, G. M., Stevenson, D. K., Gibbs, R. S.
2019
- **APS Presidential Plenary 2019: the way of science: serendipity and the illusion of linearity.** *Pediatric research*
Stevenson, D. K.
2019
- **Multomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy.** *Bioinformatics (Oxford, England)*
Ghaemi, M. S., DiGiulio, D. B., Contrepois, K., Callahan, B., Ngo, T. T., Lee-McMullen, B., Lehallier, B., Robaczewska, A., Mcilwain, D., Rosenberg-Hasson, Y., Wong, R. J., Quaintance, C., Culos, et al
2019; 35 (1): 95–103
- **Short interpregnancy interval as a risk factor for preterm birth in non-Hispanic Black and White women in California.** *Journal of perinatology : official journal of the California Perinatal Association*
Lonhart, J. A., Mayo, J. A., Padula, A. M., Wise, P. H., Stevenson, D. K., Shaw, G. M.
2019
- **Understanding health disparities.** *Journal of perinatology : official journal of the California Perinatal Association*
Stevenson, D. K., Wong, R. J., Aghaeepour, N., Angst, M. S., Darmstadt, G. L., DiGiulio, D. B., Druzin, M. L., Gaudilliere, B., Gibbs, R. S., B Gould, J., Katz, M., Li, J., Moufarrej, et al
2018
- **Filtered sunlight versus intensive electric powered phototherapy in moderate-to-severe neonatal hyperbilirubinaemia: a randomised controlled non-inferiority trial** *LANCET GLOBAL HEALTH*
Slusher, T. M., Vreman, H. J., Brearley, A. M., Vaucher, Y. E., Wong, R. J., Stevenson, D. K., Adeleke, O. T., Ojo, I. P., Edowhorhu, G., Lund, T. C., Gbadero, D. A.
2018; 6 (10): E1122–E1131
- **Stillbirth and Live Birth at Perivable Gestational Age: A Comparison of Prevalence and Risk Factors.** *American journal of perinatology*
Carmichael, S. L., Blumenfeld, Y. J., Mayo, J. A., Profit, J., Shaw, G. M., Hintz, S. R., Stevenson, D. K.
2018
- **Epigenetic immune cell counting in human blood samples for immunodiagnostics** *SCIENCE TRANSLATIONAL MEDICINE*
Baron, U., Werner, J., Schildknecht, K., Schulze, J. J., Mulu, A., Liebert, U., Sack, U., Speckmann, C., Gossen, M., Wong, R. J., Stevenson, D. K., Babel, N., Schuermann, et al
2018; 10 (452)
- **Prethreshold retinopathy of prematurity: VEGF inhibition without VEGF inhibitors.** *Journal of perinatology : official journal of the California Perinatal Association*
Gaynon, M. W., Wong, R. J., Stevenson, D. K., Sunshine, P.
2018
- **Bilirubin binding in jaundiced newborns: from bench to bedside?** *Pediatric research*
Ahlfors, C. E., Bhutani, V. K., Wong, R. J., Stevenson, D. K.
2018
- **Residential agricultural pesticide exposures and risks of preeclampsia.** *Environmental research*
Shaw, G. M., Yang, W., Roberts, E. M., Aghaeepour, N., Mayo, J. A., Weber, K. A., Maric, I., Carmichael, S. L., Winn, V. D., Stevenson, D. K., English, P. B.
2018; 164: 546–55
- **Hypoxia regulates placental angiogenesis via alternatively activated macrophages.** *American journal of reproductive immunology (New York, N.Y. : 1989)*
Zhao, H., Kalish, F. S., Wong, R. J., Stevenson, D. K.
2018: e12989
- **Natural Selection Has Differentiated the Progesterone Receptor among Human Populations.** *American journal of human genetics*
Li, J., Hong, X., Mesiano, S., Muglia, L. J., Wang, X., Snyder, M., Stevenson, D. K., Shaw, G. M.
2018

- **Noninvasive blood tests for fetal development predict gestational age and preterm delivery** *SCIENCE*
Ngo, T. M., Moufarrej, M. N., Rasmussen, M. H., Camunas-Soler, J., Pan, W., Okamoto, J., Neff, N. F., Liu, K., Wong, R. J., Downes, K., Tibshirani, R., Shaw, G. M., Skotte, et al
2018; 360 (6393): 1133–36
- **Heme oxygenase-1 deficiency promotes severity of sepsis in a non-surgical preterm mouse model.** *Pediatric research*
Fujioka, K., Kalish, F., Zhao, H., Wong, R. J., Stevenson, D. K.
2018
- **Neuro-inflammatory effects of photodegradative products of bilirubin** *SCIENTIFIC REPORTS*
Jasprova, J., Dal Ben, M., Hurny, D., Hwang, S., Zizalova, K., Kotek, J., Wong, R. J., Stevenson, D. K., Gazzin, S., Tiribelli, C., Vitek, L.
2018; 8: 7444
- **Heme oxygenase-1 deficiency results in splenic T-cell dysregulation in offspring of mothers exposed to late gestational inflammation** *AMERICAN JOURNAL OF REPRODUCTIVE IMMUNOLOGY*
Ozen, M., Zhao, H., Kalish, F., Yang, Y., Folkins, A., Burd, I., Wong, R. J., Stevenson, D. K.
2018; 79 (5): e12829
- **Identification of risk for neonatal haemolysis.** *Acta paediatrica (Oslo, Norway : 1992)*
Bhutani, V. K., Maisels, M. J., Schutzman, D. L., Castillo Cuadrado, M. E., Aby, J. L., Bogen, D. L., Christensen, R. D., Watchko, J. F., Wong, R. J., Stevenson, D. K.
2018
- **Divergent Patterns of Mitochondrial and Nuclear Ancestry Are Associated with the Risk for Preterm Birth** *JOURNAL OF PEDIATRICS*
Crawford, N., Prendergast, D., Oehlert, J. W., Shaw, G. M., Stevenson, D. K., Rappaport, N., Sirota, M., Tishkoff, S. A., Sondheimer, N.
2018; 194: 40-+
- **A genome-wide association study identifies only two ancestry specific variants associated with spontaneous preterm birth** *SCIENTIFIC REPORTS*
Rappoport, N., Toung, J., Hadley, D., Wong, R. J., Fujioka, K., Reuter, J., Abbott, C. W., Oh, S., Hu, D., Eng, C., Huntsman, S., Bodian, D. L., Niederhuber, et al
2018; 8: 226
- **Point-of-Care Fecal Calprotectin Monitoring in Preterm Infants at Risk for Necrotizing Enterocolitis.** *The Journal of pediatrics*
Nakayuenyongsuk, W., Christofferson, M., Stevenson, D. K., Sylvester, K., Lee, H. C., Park, K. T.
2018
- **Hemolysis and Glucose-6-Phosphate Dehydrogenase Deficiency-Related Neonatal Hyperbilirubinemia** *NEONATOLOGY*
Kaplan, M., Wong, R. J., Stevenson, D. K.
2018; 114 (3): 223–25
- **Prediction of cognitive and motor development in preterm children using exhaustive feature selection and cross-validation of near-term white matter microstructure** *NEUROIMAGE-CLINICAL*
Schadl, K., Vassar, R., Cahill-Rowley, K., Yeom, K. W., Stevenson, D. K., Rose, J.
2018; 17: 667–79
- **Simultaneously Monitoring Immune Response and Microbial Infections during Pregnancy through Plasma cfRNA Sequencing** *CLINICAL CHEMISTRY*
Pan, W., Ngo, T. M., Camunas-Soler, J., Song, C., Kowarsky, M., Blumenfeld, Y. J., Wong, R. J., Shaw, G. M., Stevenson, D. K., Quake, S. R.
2017; 63 (11): 1695–1704
- **Numerous uncharacterized and highly divergent microbes which colonize humans are revealed by circulating cell-free DNA** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Kowarsky, M., Camunas-Soler, J., Kertesz, M., De Vlaminck, I., Koh, W., Pan, W., Martin, L., Neff, N. F., Okamoto, J., Wong, R. J., Kharbanda, S., El-Sayed, Y., Blumenfeld, et al
2017; 114 (36): 9623–28
- **Heme oxygenase-1 promoter polymorphisms: do they modulate neonatal hyperbilirubinemia?** *JOURNAL OF PERINATOLOGY*
Kaplan, M., Wong, R. J., Stevenson, D. K.
2017; 37 (8): 901–5
- **Interpregnancy Interval and Adverse Pregnancy Outcomes: An Analysis of Successive Pregnancies and Interpregnancy Interval and Pregnancy Outcomes: Causal or Not?** *OBSTETRICS AND GYNECOLOGY*
Mayo, J. A., Shachar, B., Stevenson, D. K., Shaw, G. M.

2017; 130 (2): 463

- *journal of maternal-fetal & neonatal medicine*
Shachar, B. Z., Mayo, J. A., Lyell, D. J., Stevenson, D. K., Shaw, G. M., Blumenfeld, Y. J.
2017: 1-7
- **Fetal de novo mutations and preterm birth.** *PLoS genetics*
Li, J., Oehlert, J., Snyder, M., Stevenson, D. K., Shaw, G. M.
2017; 13 (4)
- **Multicenter Systems Analysis of Human Blood Reveals Immature Neutrophils in Males and During Pregnancy.** *Journal of immunology*
Blazkova, J., Gupta, S., Liu, Y., Gaudilliere, B., Ganio, E. A., Bolen, C. R., Saar-Dover, R., Fragiadakis, G. K., Angst, M. S., Hasni, S., Aghaeepour, N., Stevenson, D., Baldwin, et al
2017; 198 (6): 2479-2488
- **INDUCTION OF HEME OXYGENASE-1 ATTENUATES THE SEVERITY OF SEPSIS IN A NON-SURGICAL PRETERM MOUSE MODEL** *SHOCK*
Fujioka, K., Kalish, F., Zhao, H., Lu, S., Wong, S., Wong, R. J., Stevenson, D. K.
2017; 47 (2): 242-250
- **Acylcarnitine Profiles Reflect Metabolic Vulnerability for Necrotizing Enterocolitis in Newborns Born Premature.** *journal of pediatrics*
Sylvester, K. G., Kastenberger, Z. J., Moss, R. L., Enns, G. M., Cowan, T. M., Shaw, G. M., Stevenson, D. K., Sinclair, T. J., Scharfe, C., Ryckman, K. K., Jelliffe-Pawlowski, L. L.
2017; 181: 80-85 e1
- **Infiltration of myeloid cells in the pregnant uterus is affected by heme oxygenase-1** *JOURNAL OF LEUKOCYTE BIOLOGY*
Zhao, H., Kalish, F., Wong, R. J., Stevenson, D. K.
2017; 101 (1): 217-226
- **A Proteomic Clock of Human Pregnancy.** *American journal of obstetrics and gynecology*
Aghaeepour, N., Lehallier, B., Baca, Q., Ganio, E. A., Wong, R. J., Ghaemi, M. S., Culos, A., El-Sayed, Y. Y., Blumenfeld, Y. J., Druzin, M. L., Winn, V. D., Gibbs, R. S., Tibshirani, et al
2017
- **An immune clock of human pregnancy.** *Science immunology*
Aghaeepour, N., Ganio, E. A., Mcilwain, D., Tsai, A. S., Tingle, M., Van Gassen, S., Gaudilliere, D. K., Baca, Q., McNeil, L., Okada, R., Ghaemi, M. S., Furman, D., Wong, et al
2017; 2 (15)
- **Heme Oxygenase Activity and Heme Binding in a Neonatal Mouse Model** *NEONATOLOGY*
Kourula, S., Ang, J., Zhao, H., Kalish, F., Vandenabeele, P., Sylvester, K. G., Wong, R. J., Stevenson, D. K.
2017; 112 (4): 376-83
- **The Importance of Hemolysis and Its Clinical Detection in Neonates with Hyperbilirubinemia.** *Current pediatric reviews*
Wong, R. J., Bhutani, V. K., Stevenson, D. K.
2017; 13 (3): 193-98
- **Risky Business: Meeting the Structural Needs of Transdisciplinary Science.** *The Journal of pediatrics*
Wise, P. H., Shaw, G. M., Druzin, M. L., Darmstadt, G. L., Quaintance, C., Mäkinen, E., Relman, D. A., Quake, S. R., Butte, A. J., Angst, M. S., Muglia, L. J., Macones, G., Driscoll, et al
2017; 191: 255-58
- **Replication and refinement of a vaginal microbial signature of preterm birth in two racially distinct cohorts of US women.** *Proceedings of the National Academy of Sciences of the United States of America*
Callahan, B. J., DiGiulio, D. B., Goltsman, D. S., Sun, C. L., Costello, E. K., Jeganathan, P., Biggio, J. R., Wong, R. J., Druzin, M. L., Shaw, G. M., Stevenson, D. K., Holmes, S. P., Relman, et al
2017
- **Women's prepregnancy underweight as a risk factor for preterm birth: a retrospective study.** *bjog-an international journal of obstetrics and gynaecology*
Girsan, A. I., Mayo, J. A., Carmichael, S. L., Phibbs, C. S., Shachar, B. Z., Stevenson, D. K., Lyell, D. J., Shaw, G. M., Gould, J. B.
2016; 123 (12): 2001-2007

- **Leading by Example and Design: The Joseph St Geme Jr Leadership Award, 2016** *PEDIATRICS*
Stevenson, D. K.
2016; 138 (5)
- **Interpregnancy interval after live birth or pregnancy termination and estimated risk of preterm birth: a retrospective cohort study.** *bjog-an international journal of obstetrics and gynaecology*
Shachar, B. Z., Mayo, J. A., Lyell, D. J., Baer, R. J., Jeliffe-Pawlowski, L. L., Stevenson, D. K., Shaw, G. M.
2016; 123 (12): 2009-2017
- **Mapping the Fetomaternal Peripheral Immune System at Term Pregnancy.** *Journal of immunology*
Fragiadakis, G. K., Baca, Q. J., Gherardini, P. F., Ganio, E. A., Gaudilliere, D. K., Tingle, M., Lancero, H. L., McNeil, L. S., Spitzer, M. H., Wong, R. J., Shaw, G. M., Darmstadt, G. L., Sylvester, et al
2016
- **Identification of neonatal haemolysis: an approach to pre-discharge management of neonatal hyperbilirubinemia.** *Acta paediatrica (Oslo, Norway : 1992)*
Bhutani, V. K., Srinivas, S., Castillo Cuadrado, M. E., Aby, J. L., Wong, R. J., Stevenson, D. K.
2016; 105 (5): e189-94
- **Inhibition of heme oxygenase activity using a microparticle formulation of zinc protoporphyrin in an acute hemolytic newborn mouse model** *PEDIATRIC RESEARCH*
Fujioka, K., Kalish, F., Wong, R. J., Stevenson, D. K.
2016; 79 (2): 251-257
- **Neonatal Biomarkers of Inflammation: Correlates of Early Neurodevelopment and Gait in Very-Low-Birth-Weight Preterm Children** *AMERICAN JOURNAL OF PERINATOLOGY*
Rose, J., Vassar, R., Cahill-Rowley, K., Hintz, S. R., Stevenson, D. K.
2016; 33 (1): 71-78
- **Heme Oxygenase-1 Expression Affects Murine Abdominal Aortic Aneurysm Progression.** *PLoS one*
Azuma, J., Wong, R. J., Morisawa, T., Hsu, M., Maegdefessel, L., Zhao, H., Kalish, F., Kayama, Y., Wallenstein, M. B., Deng, A. C., Spin, J. M., Stevenson, D. K., Dalman, et al
2016; 11 (2)
- **A Randomized Trial of Phototherapy with Filtered Sunlight in African Neonates.** *New England journal of medicine*
Slusher, T. M., Olusanya, B. O., Vreman, H. J., Brearley, A. M., Vaucher, Y. E., Lund, T. C., Wong, R. J., Emokpae, A. A., Stevenson, D. K.
2015; 373 (12): 1115-1124
- **Temporal and spatial variation of the human microbiota during pregnancy** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
DiGiulio, D. B., Callahan, B. J., McMurdie, P. J., Costello, E. K., Lyell, D. J., Robaczewska, A., Sun, C. L., Goltsman, D. S., Wong, R. J., Shaw, G., Stevenson, D. K., Holmes, S. P., Relman, et al
2015; 112 (35): 11060-11065
- **Bilirubin production and hour-specific bilirubin levels.** *Journal of perinatology*
Bhutani, V. K., Wong, R. J., Vreman, H. J., Stevenson, D. K.
2015; 35 (9): 735-738
- **Implementing Mass Cytometry at the Bedside to Study the Immunological Basis of Human Diseases: Distinctive Immune Features in Patients with a History of Term or Preterm Birth.** *Cytometry. Part A : the journal of the International Society for Analytical Cytology*
Gaudilliere, B., Ganio, E. A., Tingle, M., Lancero, H. L., Fragiadakis, G. K., Baca, Q. J., Aghaeepour, N., Wong, R. J., Quintance, C., El-Sayed, Y. Y., Shaw, G. M., Lewis, D. B., Stevenson, et al
2015; 87 (9): 817-829
- **Heme oxygenase-1 promoter polymorphisms and risk of spina bifida.** *Birth defects research. Part A, Clinical and molecular teratology*
Fujioka, K., Yang, W., Wallenstein, M. B., Zhao, H., Wong, R. J., Stevenson, D. K., Shaw, G. M.
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