



Ronald J. Wong

Sr Res Scientist-Basic Ls, Pediatrics - Neonatology

Bio

CURRENT ROLE AT STANFORD

Senior Research Scientist

Publications

PUBLICATIONS

- **Predicting Preterm Birth Using Proteomics.** *Clinics in perinatology*
Mari#, I., Stevenson, D. K., Aghaeepour, N., Gaudillière, B., Wong, R. J., Angst, M. S.
2024; 51 (2): 391-409
- **Solving the Puzzle of Preterm Birth.** *Clinics in perinatology*
Stevenson, D. K., Winn, V. D., Shaw, G. M., England, S. K., Wong, R. J.
2024; 51 (2): 291-300
- **Preterm Birth.** *Clinics in perinatology*
Wong, R. J., Shaw, G. M., Stevenson, D. K.
2024; 51 (2): xxv-xxvi
- **Is it time for a precision health approach to the management of newborn hyperbilirubinemia?** *Journal of perinatology : official journal of the California Perinatal Association*
Stevenson, D. K., Wells, G. S., Wong, R. J.
2024
- **Large-scale proteomics in the first trimester of pregnancy predict psychopathology and temperament in preschool children: an exploratory study.** *Journal of child psychology and psychiatry, and allied disciplines*
Buthmann, J. L., Miller, J. G., Aghaeepour, N., King, L. S., Stevenson, D. K., Shaw, G. M., Wong, R. J., Gotlib, I. H.
2024
- **Integrative analysis of noncoding mutations identifies the druggable genome in preterm birth.** *Science advances*
Wang, C., Wang, Y. J., Ying, L., Wong, R. J., Quaintance, C. C., Hong, X., Neff, N., Wang, X., Biggio, J. R., Mesiano, S., Quake, S. R., Alvira, C. M., Cornfield, et al
2024; 10 (3): eadk1057
- **Microbiome preterm birth DREAM challenge: Crowdsourcing machine learning approaches to advance preterm birth research.** *Cell reports. Medicine*
Golob, J. L., Oskotsky, T. T., Tang, A. S., Roldan, A., Chung, V., Ha, C. W., Wong, R. J., Flynn, K. J., Parraga-Leo, A., Wibrand, C., Minot, S. S., Oskotsky, B., Andreoletti, et al
2023: 101350
- **The placental vasculature is affected by changes in gene expression and glycogen-rich cells in a diet-induced obesity mouse model.** *PloS one*
Zhao, H., Wong, R. J., Stevenson, D. K.
2023; 18 (11): e0294185

- **Challenges to the study of gender dysphoria.** *Acta paediatrica (Oslo, Norway : 1992)*
Stevenson, D. K., Murray, J. C., Muglia, L. J., Wong, R. J., Katz, M.
2023
- **Comparative predictive power of serum vs plasma proteomic signatures in fetomaternal medicine.** *AJOG global reports*
Espinosa, C., Ali, S. M., Khan, W., Khanam, R., Pervin, J., Price, J. T., Rahman, S., Hasan, T., Ahmed, S., Raqib, R., Rahman, M., Aktar, S., Nisar, et al
2023; 3 (3): 100244
- **A "Gold Standard" Test for Diagnosing and Quantifying Hemolysis in Neonates and Infants.** *Journal of perinatology : official journal of the California Perinatal Association*
Christensen, R. D., Bahr, T. M., Wong, R. J., Vreman, H. J., Bhutani, V. K., Stevenson, D. K.
2023
- **Abrupt perturbation and delayed recovery of the vaginal ecosystem following childbirth.** *Nature communications*
Costello, E. K., DiGiulio, D. B., Robaczewska, A., Symul, L., Wong, R. J., Shaw, G. M., Stevenson, D. K., Holmes, S. P., Kwon, D. S., Relman, D. A.
2023; 14 (1): 4141
- **Breath: The Exhaust of Metabolism** *JOURNAL OF PEDIATRICS*
Stevenson, D. K., Maric, I., Wong, R. J.
2023; 257: 1-3
- **Development of a Urine Metabolomics Biomarker-Based Prediction Model for Preeclampsia during Early Pregnancy.** *Metabolites*
Zhang, Y., Sylvester, K. G., Jin, B., Wong, R. J., Schilling, J., Chou, C. J., Han, Z., Luo, R. Y., Tian, L., Ladella, S., Mo, L., Maric, I., Blumenfeld, et al
2023; 13 (6)
- **Multimic signals associated with maternal epidemiological factors contributing to preterm birth in low- and middle-income countries.** *Science advances*
Espinosa, C. A., Khan, W., Khanam, R., Das, S., Khalid, J., Pervin, J., Kasaro, M. P., Contrefois, K., Chang, A. L., Phongpreecha, T., Michael, B., Ellenberger, M., Mehmood, et al
2023; 9 (21): eade7692
- **Target-agnostic drug prediction integrated with medical record analysis uncovers differential associations of statins with increased survival in COVID-19 patients.** *PLoS computational biology*
Sperry, M. M., Oskotsky, T. T., Mari#, I., Kaushal, S., Takeda, T., Horvath, V., Powers, R. K., Rodas, M., Furlong, B., Soong, M., Prabhala, P., Goyal, G., Carlson, et al
2023; 19 (5): e1011050
- **Breath: The Exhaust of Metabolism.** *The Journal of pediatrics*
Stevenson, D. K., Mari#, I., Wong, R. J.
2023
- **Heme, Heme Oxygenase-1, Statins, and SARS-CoV-2.** *Antioxidants (Basel, Switzerland)*
Stevenson, D. K., Vreman, H. J., Wong, R. J.
2023; 12 (3)
- **Prefrontal activation in preschool children is associated with maternal adversity and child temperament: A preliminary fNIRS study of inhibitory control** *DEVELOPMENTAL PSYCHOBIOLOGY*
Miller, J. G., Hyat, M., Perlman, S. B., Wong, R. J., Shaw, G. M., Stevenson, D. K., Gotlib, I. H.
2023; 65 (1): e22351
- **Early prediction and longitudinal modeling of preeclampsia from multimic.** *Patterns (New York, N.Y.)*
Maric, I., Contrefois, K., Moufarrej, M. N., Stelzer, I. A., Feyaerts, D., Han, X., Tang, A., Stanley, N., Wong, R. J., Traber, G. M., Ellenberger, M., Chang, A. L., Fallahzadeh, et al
2022; 3 (12): 100655
- **Omics approaches: interactions at the maternal-fetal interface and origins of child health and disease.** *Pediatric research*
Ozen, M., Aghaepour, N., Maric, I., Wong, R. J., Stevenson, D. K., Jantzie, L. L.
2022
- **HMOX1 Genetic Polymorphisms Display Ancestral Diversity and May Be Linked to Hypertensive Disorders in Pregnancy.** *Reproductive sciences (Thousand Oaks, Calif.)*

- Sun, T., Cruz, G. I., Mousavi, N., Maric, I., Brewer, A., Wong, R. J., Aghaeepour, N., Sayed, N., Wu, J. C., Stevenson, D. K., Leonard, S. A., Gymrek, M., Winn, et al
2022
- **Bilirubin-induced neurotoxicity and visuocortical dysfunction.** *Journal of perinatology : official journal of the California Perinatal Association*
Good, W. V., Wong, R. J., Norcia, A. M., Stevenson, D. K., Slagel, T., Hou, C., Bhutani, V. K.
2022
 - **Prediction of gestational age using urinary metabolites in term and preterm pregnancies.** *Scientific reports*
Contrepois, K., Chen, S., Ghaemi, M. S., Wong, R. J., Alliance for Maternal and Newborn Health Improvement (AMANHI), Global Alliance to Prevent Prematurity and Stillbirth (GAPPS), Shaw, G., Stevenson, D. K., Aghaeepour, N., Snyder, M. P., Jehan, F., Sazawal, S., Baqui, A. H., Nisar, et al
2022; 12 (1): 8033
 - **Early prediction of preeclampsia in pregnancy with cell-free RNA.** *Nature*
Moufarrej, M. N., Vorperian, S. K., Wong, R. J., Campos, A. A., Quaintance, C. C., Sit, R. V., Tan, M., Detweiler, A. M., Mekonen, H., Neff, N. F., Baruch-Gravett, C., Litch, J. A., Druzin, et al
2022
 - **MULTIOMICS LONGITUDINAL MODELING OF PREECLAMPTIC PREGNANCIES**
Espinosa, C., Maric, I., Contrepois, K., Moufarrej, M., Stelzer, I. S., Feyaerts, D., Han, X., Tang, A., Wong, R. J., Darmstadt, G. L., Winn, V. D., Shaw, G. M., Relman, et al
BMJ PUBLISHING GROUP.2022: 309
 - **Revealing the impact of lifestyle stressors on the risk of adverse pregnancy outcomes with multitask machine learning.** *Frontiers in pediatrics*
Becker, M., Dai, J., Chang, A. L., Feyaerts, D., Stelzer, I. A., Zhang, M., Berson, E., Saarunya, G., De Francesco, D., Espinosa, C., Kim, Y., Maric, I., Mataraso, et al
2022; 10: 933266
 - **Maternal stress and its consequences - biological strain.** *American journal of perinatology*
Stevenson, D. K., Gotlib, I. H., Buthmann, J. L., Maric, I., Aghaeepour, N., Gaudilliere, B., Angst, M. S., Darmstadt, G. L., Druzin, M. L., Wong, R. J., Shaw, G. M., Katz, M.
2022
 - **Perinatal infection, inflammation, preterm birth, and brain injury: A review with proposals for future investigations.** *Experimental neurology*
Reiss, J. D., Peterson, L. S., Nesamoney, S. N., Chang, A. L., Pasca, A. M., Mari#, I., Shaw, G. M., Gaudilliere, B., Wong, R. J., Sylvester, K. G., Bonifacio, S. L., Aghaeepour, N., Gibbs, et al
2022: 113988
 - **Black swans and ambitious overgeneralization in newborn intensive care.** *Pediatric research*
Stevenson, D. K., Wong, R. J., Shaw, G. M., Aghaeepour, N., Maric, I., Prince, L. S., Reiss, J. D., Katz, M.
2021
 - **Integrated trajectories of the maternal metabolome, proteome, and immunome predict labor onset.** *Science translational medicine*
Stelzer, I. A., Ghaemi, M. S., Han, X., Ando, K., Hedou, J. J., Feyaerts, D., Peterson, L. S., Rumer, K. K., Tsai, E. S., Ganio, E. A., Gaudilliere, D. K., Tsai, A. S., Choisy, et al
2021; 13 (592)
 - **Understanding how biologic and social determinants affect disparities in preterm birth and outcomes of preterm infants in the NICU.** *Seminars in perinatology*
Stevenson, D. K., Aghaeepour, N., Maric, I., Angst, M. S., Darmstadt, G. L., Druzin, M. L., Gaudilliere, B., Ling, X. B., Moufarrej, M. N., Peterson, L. S., Quake, S. R., Relman, D. A., Snyder, et al
2021: 151408
 - **Proteomic signatures predict preeclampsia in individual cohorts but not across cohorts - implications for clinical biomarker studies.** *The journal of maternal-fetal & neonatal medicine : the official journal of the European Association of Perinatal Medicine, the Federation of Asia and Oceania Perinatal Societies, the International Society of Perinatal Obstetricians*
Ghaemi, M. S., Tarca, A. L., Romero, R. n., Stanley, N. n., Fallahzadeh, R. n., Tanada, A. n., Culos, A. n., Ando, K. n., Han, X. n., Blumenfeld, Y. J., Druzin, M. L., El-Sayed, Y. Y., Gibbs, et al
2021: 1-8
 - **Mortality Risk Among Patients With COVID-19 Prescribed Selective Serotonin Reuptake Inhibitor Antidepressants.** *JAMA network open*
Oskotsky, T., Maric, I., Tang, A., Oskotsky, B., Wong, R. J., Aghaeepour, N., Sirota, M., Stevenson, D. K.

2021; 4 (11): e2133090

- **The Impact of Hypoxia in Early Pregnancy on Placental Cells.** *International journal of molecular sciences*
Zhao, H., Wong, R. J., Stevenson, D. K.
2021; 22 (18)
- **A Peripheral Immune Signature of Labor Induction.** *Frontiers in immunology*
Ando, K., Hédou, J. J., Feyaerts, D., Han, X., Ganio, E. A., Tsai, E. S., Peterson, L. S., Verdonk, F., Tsai, A. S., Mari#, I., Wong, R. J., Angst, M. S., Aghaeepour, et al
2021; 12: 725989
- **Decreased Mortality Rate Among COVID-19 Patients Prescribed Statins: Data From Electronic Health Records in the US.** *Frontiers in medicine*
Maric, I., Oskotsky, T., Kostı, I., Le, B., Wong, R. J., Shaw, G. M., Sirota, M., Stevenson, D. K.
2021; 8: 639804
- **Data-Driven Modeling of Pregnancy-Related Complications.** *Trends in molecular medicine*
Espinosa, C. n., Becker, M. n., Mari#, I. n., Wong, R. J., Shaw, G. M., Gaudilliere, B. n., Aghaeepour, N. n., Stevenson, D. K.
2021
- **Maternal metabolic profiling to assess fetal gestational age and predict preterm delivery: a two-centre retrospective cohort study in the US.** *BMJ open*
Sylvester, K. G., Hao, S., You, J., Zheng, L., Tian, L., Yao, X., Mo, L., Ladella, S., Wong, R. J., Shaw, G. M., Stevenson, D. K., Cohen, H. J., Whitin, et al
2020; 10 (12): e040647
- **A novel point-of-care device for measuring glucose-6-phosphate dehydrogenase enzyme deficiency.** *Seminars in perinatology*
Wong, R. J., Montiel, C., Kunda, M., Stevenson, D. K., Bhutani, V. K.
2020: 151356
- **Dysregulation of hypoxia-inducible factor-1alpha (Hif1alpha) expression in the Hmox1-deficient placenta.** *Placenta*
Zhao, H., Narasimhan, P., Kalish, F., Wong, R. J., Stevenson, D. K.
2020; 99: 108–16
- **Molecular Physiology and Pathophysiology of Bilirubin Handling by the Blood, Liver, Intestine, and Brain in the Newborn.** *Physiological reviews*
Hansen, T. W., Wong, R. J., Stevenson, D. K.
2020; 100 (3): 1291–1346
- **Towards personalized medicine in maternal and child health: integrating biologic and social determinants.** *Pediatric research*
Stevenson, D. K., Wong, R. J., Aghaeepour, N., Maric, I., Angst, M. S., Contrepolis, K., Darmstadt, G. L., Druzin, M. L., Eisenberg, M. L., Gaudilliere, B., Gibbs, R. S., Gotlib, I. H., Gould, et al
2020
- **Charles E. Ahlfors (1944-2020).** *Pediatric research*
Wennberg, R. P., Wong, R. J., Shapiro, S. M., Tiribelli, C.
2020
- **Cycled Phototherapy Dose-Finding Study for Extremely Low-Birth-Weight Infants: A Randomized Clinical Trial.** *JAMA pediatrics*
Arnold, C., Tyson, J. E., Pedroza, C., Carlo, W. F., Stevenson, D. K., Wong, R., Dempsey, A., Khan, A., Fonseca, R., Wyckoff, M., Moreira, A., Lasky, R.
2020
- **Cellular Aging in Pregnancy: Telomere Dynamics Across Gestation.**
Panelli, D. M., Leonard, S. A., Wong, R. J., Girsen, A. I., Baskovic, M., Stevenson, D. K., Bianco, K.
SPRINGER HEIDELBERG.2020: 127A–128A
- **Dysregulation of HIF1a Impairs Placental Angiogenesis in Heme Oxygenase-1-Deficient Pregnancies.**
Zhao, H., Narasimhan, P., Kalish, F., Winn, V. D., Wong, R. J., Stevenson, D. K.
SPRINGER HEIDELBERG.2020: 256A
- **Multi-Omic, Longitudinal Profile of Third-Trimester Pregnancies Identifies a Molecular Switch That Predicts the Onset of Labor.**
Stelzer, I., Ghaemi, M., Han, X., Ando, K., Peterson, L., Contrepolis, K., Ganio, E., Tsai, A., Tsai, E., Rumer, K., Stanley, N., Fallazadeh, R., Becker, et al
SPRINGER HEIDELBERG.2020: 89A
- **Multimic immune clockworks of pregnancy.** *Seminars in immunopathology*

- Peterson, L. S., Stelzer, I. A., Tsai, A. S., Ghaemi, M. S., Han, X. n., Ando, K. n., Winn, V. D., Martinez, N. R., Contrepois, K. n., Moufarrej, M. N., Quake, S. n., Relman, D. A., Snyder, et al
2020
- **Multomics Characterization of Preterm Birth in Low- and Middle-Income Countries.** *JAMA network open*
Jehan, F. n., Sazawal, S. n., Baqui, A. H., Nisar, M. I., Dhingra, U. n., Khanam, R. n., Ilyas, M. n., Dutta, A. n., Mitra, D. K., Mehmood, U. n., Deb, S. n., Mahmud, A. n., Hotwani, et al
2020; 3 (12): e2029655
 - **Computational discovery of therapeutic candidates for preventing preterm birth.** *JCI insight*
Le, B. L., Iwatani, S. n., Wong, R. J., Stevenson, D. K., Sirota, M. n.
2020; 5 (3)
 - **Changes in pregnancy-related serum biomarkers early in gestation are associated with later development of preeclampsia.** *PloS one*
Hao, S. n., You, J. n., Chen, L. n., Zhao, H. n., Huang, Y. n., Zheng, L. n., Tian, L. n., Maric, I. n., Liu, X. n., Li, T. n., Bianco, Y. K., Winn, V. D., Aghaeepour, et al
2020; 15 (3): e0230000
 - **Investigating Pregnancy and Its Complications Using Circulating Cell-Free RNA in Women's Blood During Gestation.** *Frontiers in pediatrics*
Moufarrej, M. N., Wong, R. J., Shaw, G. M., Stevenson, D. K., Quake, S. R.
2020; 8: 605219
 - **VoPo leverages cellular heterogeneity for predictive modeling of single-cell data.** *Nature communications*
Stanley, N. n., Stelzer, I. A., Tsai, A. S., Fallahzadeh, R. n., Ganio, E. n., Becker, M. n., Phongpreecha, T. n., Nassar, H. n., Ghaemi, S. n., Maric, I. n., Culos, A. n., Chang, A. L., Xenochristou, et al
2020; 11 (1): 3738
 - **Comments on the 20th Anniversary of NeoReviews.** *NeoReviews*
Stevenson, D. K., Wong, R. J., Hay, W. W.
2020; 21 (10): e643–e648
 - **TREATMENT WITH LANSOPRAZOLE IMPROVES PREGNANCY OUTCOME IN MICE**
Iwatani, S., Le, B. L., Konecny, C. M., Vijayakumar, D., Wong, R. T., Sirota, M., Wong, R. J., Stevenson, D. K.
BMJ PUBLISHING GROUP.2020: A149–A150
 - **Increased Carbon Monoxide Washout Rates in Newborn Infants.** *Neonatology*
Stevenson, D. K., Wong, R. J., Ostrander, C. R., Maric, I., Vreman, H. J., Cohen, R. S.
2019: 1–5
 - **Sixty years of phototherapy for neonatal jaundice - from serendipitous observation to standardized treatment and rescue for millions.** *Journal of perinatology : official journal of the California Perinatal Association*
Hansen, T. W., Maisels, M. J., Ebbesen, F., Vreman, H. J., Stevenson, D. K., Wong, R. J., Bhutani, V. K.
2019
 - **Maternal Height and Risk of Preeclampsia among Race/Ethnic Groups** *AMERICAN JOURNAL OF PERINATOLOGY*
Maric, I., Mayo, J. A., Druzin, M. L., Wong, R. J., Winn, V. D., Stevenson, D. K., Shaw, G. M.
2019; 36 (8): 864–71
 - **Frequency-following response among neonates with progressive moderate hyperbilirubinemia.** *Journal of perinatology : official journal of the California Perinatal Association*
Musacchia, G., Hu, J., Bhutani, V. K., Wong, R. J., Tong, M., Han, S., Blevins, N. H., Fitzgerald, M. B.
2019
 - **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: 1305
 - **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 multi-center evaluation of a device for measurement of bilirubin binding capacity in neonates: the effects of gestational age, Intralipid exposure and illness severity** *JOURNAL OF PERINATOLOGY*
Schutzman, D. L., Bhutani, V. K., Cuadrado, M., Lamola, A. A., Frantz, I., Obregon, E., Wong, R. J.
2019; 39 (6): 883–88
- **The effect of light wavelength on in vitro bilirubin photodegradation and photoisomer production (vol 85, pg 865, 2019)** *PEDIATRIC RESEARCH*
Vreman, H. J., Kourula, S., Jasprova, J., Ludvikova, L., Klan, P., Muchova, L., Vitek, L., Cline, B. K., Wong, R. J., Stevenson, D. K.
2019; 85 (6): 905
- **The effect of light wavelength on in vitro bilirubin photodegradation and photoisomer production** *PEDIATRIC RESEARCH*
Vreman, H. J., Kourula, S., Jasprova, J., Ludvikova, L., Klan, P., Muchova, L., Vitek, L., Cline, B. K., Wong, R. J., Stevenson, D. K.
2019; 85 (6): 865–73
- **The effect of light wavelength on in vitro bilirubin photodegradation and photoisomer production.** *Pediatric research*
Vreman, H. J., Kourula, S., Jasprova, J., Ludvikova, L., Klan, P., Muchova, L., Vitek, L., Cline, B. K., Wong, R. J., Stevenson, D. K.
2019
- **The contributions of genetics to premature birth.** *Pediatric research*
Stevenson, D. K., Wong, R. J., Shaw, G. M., Li, J., Wise, P. H., Davis, J. M.
2019
- **Low-dose lipopolysaccharide exposure can increase in vivo bilirubin production rates in newborn mice.** *Acta paediatrica (Oslo, Norway : 1992)*
Iwatani, S. n., Jacobsen, D. R., Wong, R. J., Stevenson, D. K.
2019
- **Data-driven queries between medications and spontaneous preterm birth among 2.5 million pregnancies.** *Birth defects research*
Mari#, I. n., Winn, V. D., Borisenko, E. n., Weber, K. A., Wong, R. J., Aziz, N. n., Blumenfeld, Y. J., El-Sayed, Y. Y., Stevenson, D. K., Shaw, G. M.
2019
- **Multomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy** *BIOINFORMATICS*
Ghaemi, M., DiGiulio, D. B., Contrepolis, K., Callahan, B., Ngo, T. M., 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
- **Pravastatin improves fetal survival in mice with a partial deficiency of heme oxygenase-1.** *Placenta*
Tsur, A. n., Kalish, F. n., Burgess, J. n., Nayak, N. R., Zhao, H. n., Casey, K. M., Druzin, M. L., Wong, R. J., Stevenson, D. K.
2019; 75: 1–8
- **Multomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy.** *Bioinformatics (Oxford, England)*
Ghaemi, M. S., DiGiulio, D. B., Contrepolis, 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
- **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
- **Impact of post-collection freezing delay on the reliability of serum metabolomics in samples reflecting the California mid-term pregnancy biobank.** *Metabolomics : Official journal of the Metabolomic Society*
La Frano, M. R., Carmichael, S. L., Ma, C., Hardley, M., Shen, T., Wong, R., Rosales, L., Borkowski, K., Pedersen, T. L., Shaw, G. M., Stevenson, D. K., Fiehn, O., Newman, et al
2018; 14 (11): 151
- **Enabling precision medicine in neonatology, an integrated repository for preterm birth research.** *Scientific data*
Sirota, M., Thomas, C. G., Liu, R., Zuhl, M., Banerjee, P., Wong, R. J., Quaintance, C. C., Leite, R., Chubiz, J., Anderson, R., Chappell, J., Kim, M., Grobman, et al
2018; 5: 180219

- **Maternal Height and Risk of Preeclampsia among Race/Ethnic Groups.** *American journal of perinatology*
Maric, I., Mayo, J. A., Druzin, M. L., Wong, R. J., Winn, V. D., Stevenson, D. K., Shaw, G. M.
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
- **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
- **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
- **Heme oxygenase-1 genetic variants and the conundrum of hyperbilirubinemia in African-American newborns** *JOURNAL OF PERINATOLOGY*
Schutzman, D. L., Gatien, E., Ajayi, S., Wong, R. J.
2018; 38 (4): 345–50
- **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
- **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
- **Hemolysis and Glucose-6-Phosphate Dehydrogenase Deficiency-Related Neonatal Hyperbilirubinemia** *NEONATOLOGY*
Kaplan, M., Wong, R. J., Stevenson, D. K.
2018; 114 (3): 223–25
- **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
- **Effect of genetic variants of bilirubin metabolism on the degree of hyperbilirubinemia in African-American newborns.** *Journal of perinatology : official journal of the California Perinatal Association*
Schutzman, D. L., Baudhuin, L. M., Gatien, E., Ajayi, S., Wong, R. J.
2017; 37 (4): 432-435
- **Effects of Remote Ischemic Preconditioning on Heme Oxygenase-1 Expression and Cutaneous Wound Repair** *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*
Cremers, N. A., Wever, K. E., Wong, R. J., van Rheden, R. E., Vermeij, E. A., van Dam, G. M., Carels, C. E., Lundvig, D. M., Wagener, F. A.
2017; 18 (2)
- **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
- **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
- **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. n., Biggio, J. R., Wong, R. J., Druzin, M. L., Shaw, G. M., Stevenson, D. K., Holmes, S. P., Relman, et al
2017
- **A Proteomic Clock of Human Pregnancy.** *American journal of obstetrics and gynecology*
Aghaeepour, N. n., Lehallier, B. n., Baca, Q. n., Ganio, E. A., Wong, R. J., Ghaemi, M. S., Culos, A. n., El-Sayed, Y. Y., Blumenfeld, Y. J., Druzin, M. L., Winn, V. D., Gibbs, R. S., Tibshirani, et al
2017
- **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
- **An immune clock of human pregnancy.** *Science immunology*
Aghaeepour, N. n., Ganio, E. A., McIlwain, D. n., Tsai, A. S., Tingle, M. n., Van Gassen, S. n., Gaudilliere, D. K., Baca, Q. n., McNeil, L. n., Okada, R. n., Ghaemi, M. S., Furman, D. n., Wong, et al
2017; 2 (15)
- **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
- **Risk profiles for haemolytic and nonhaemolytic neonatal jaundice** *ACTA PAEDIATRICA*
Bhutani, V. K., Wong, R. J.
2016; 105 (12): 1387–88
- **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

- **Extreme hyperbilirubinemia and rescue exchange transfusion in California from 2007 to 2012.** *Journal of perinatology*
Bhutani, V. K., Meng, N. F., Knauer, Y., Danielsen, B. H., Wong, R. J., Stevenson, D. K., Gould, J. B.
2016; 36 (10): 853-857
- **Phototherapy and the Risk of Photo-Oxidative Injury in Extremely Low Birth Weight Infants** *CLINICS IN PERINATOLOGY*
Stevenson, D. K., Wong, R. J., Arnold, C. C., Pedroza, C., Tyson, J. E.
2016; 43 (2): 291-?
- **Hyperbilirubinemia in Preterm Neonates** *CLINICS IN PERINATOLOGY*
Bhutani, V. K., Wong, R. J., Stevenson, D. K.
2016; 43 (2): 215-?
- **Identification of neonatal haemolysis: an approach to predischarge 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
- **Carboxyhemoglobin levels as a predictor of risk for significant hyperbilirubinemia in African-American DAT(+) infants.** *Journal of perinatology : official journal of the California Perinatal Association*
Schutzman, D. L., Gatien, E., Ajayi, S., Wong, R. J.
2016; 36 (5): 386-8
- **The effect of hematocrit on in vitro bilirubin photoalteration** *PEDIATRIC RESEARCH*
Linfield, D. T., Lamola, A. A., Mei, E., Hwang, A. Y., Vreman, H. J., Wong, R. J., Stevenson, D. K.
2016; 79 (3): 387-390
- **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
- **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
- **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)
- **Editorial: Heme Oxygenases: Novel Regulators of Reproductive Processes.** *Frontiers in pharmacology*
Wong, R. J., Zenclussen, A. C.
2015; 6: 282
- **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*
Gaudilliere, B., Ganio, E. A., Tingle, M., Lancero, H. L., Fragiadakis, G. K., Baca, Q. J., Aghaeepour, N., Wong, R. J., Quaintance, C., El-Sayed, Y. Y., Shaw, G. M., Lewis, D. B., Stevenson, et al
2015; 87A (9): 817-829
- **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
- **Association of HMOX1 gene promoter polymorphisms with hyperbilirubinemia in the early neonatal period.** *Pediatrics international : official journal of the Japan Pediatric Society*
Katayama, Y., Yokota, T., Zhao, H., Wong, R. J., Stevenson, D. K., Taniguchi-Ikeda, M., Nakamura, H., Iijima, K., Morioka, I.
2015; 57 (4): 645-9
 - **Evaluation of a new end-tidal carbon monoxide monitor from the bench to the bedside.** *Acta paediatrica (Oslo, Norway : 1992)*
Castillo Cuadrado, M. E., Bhutani, V. K., Aby, J. L., Vreman, H. J., Wong, R. J., Stevenson, D. K.
2015; 104 (6): e279-82
 - **Heme oxygenase-1 confers protection and alters T-cell populations in a mouse model of neonatal intestinal inflammation** *PEDIATRIC RESEARCH*
Schulz, S., Chisholm, K. M., Zhao, H., Kalish, F., Yang, Y., Wong, R. J., Stevenson, D. K.
2015; 77 (5): 640-648
 - **Neonatal bilirubin binding capacity discerns risk of neurological dysfunction.** *Pediatric research*
Lamola, A. A., Bhutani, V. K., Du, L., Castillo Cuadrado, M., Chen, L., Shen, Z., Wong, R. J., Stevenson, D. K.
2015; 77 (2): 334-339
 - **Bilirubin-induced neurologic dysfunction (BIND)** *SEMINARS IN FETAL & NEONATAL MEDICINE*
Bhutani, V. K., Wong, R.
2015; 20 (1): 1
 - **Neonatal bilirubin binding capacity discerns risk of neurological dysfunction.** *Pediatric research*
Lamola, A. A., Bhutani, V. K., Du, L., Castillo Cuadrado, M., Chen, L., Shen, Z., Wong, R. J., Stevenson, D. K.
2015; 77 (2): 334-339
 - **Neonatal hemolysis and risk of bilirubin-induced neurologic dysfunction.** *Seminars in fetal & neonatal medicine*
Wong, R. J., Stevenson, D. K.
2015; 20 (1): 26-30
 - **Heme oxygenase and the immune system in normal and pathological pregnancies.** *Frontiers in pharmacology*
Ozen, M., Zhao, H., Lewis, D. B., Wong, R. J., Stevenson, D. K.
2015; 6: 84-?
 - **Mechanical Stress Changes the Complex Interplay Between HO-1, Inflammation and Fibrosis, During Excisional Wound Repair.** *Frontiers in medicine*
Cremers, N. A., Suttorp, M., Gerritsen, M. M., Wong, R. J., van Run-van Breda, C., van Dam, G. M., Brouwer, K. M., Kuijpers-Jagtman, A. M., Carels, C. E., Lundvig, D. M., Wagener, F. A.
2015; 2: 86-?
 - **Direct Antiglobulin Titer Strength and Hyperbilirubinemia** *PEDIATRICS*
Kaplan, M., Hammerman, C., Vreman, H. J., Wong, R. J., Stevenson, D. K.
2014; 134 (5): E1340-E1344
 - **End-tidal carbon monoxide and hemolysis** *JOURNAL OF PERINATOLOGY*
Tidmarsh, G. F., Wong, R. J., Stevenson, D. K.
2014; 34 (8): 577-581
 - **Safety and Efficacy of Filtered Sunlight in Treatment of Jaundice in African Neonates** *PEDIATRICS*
Slusher, T. M., Vreman, H. J., Olusanya, B. O., Wong, R. J., Brearley, A. M., Vaucher, Y. E., Stevenson, D. K.
2014; 133 (6): E1568-E1574
 - **Effects of light on metalloporphyrin-treated newborn mice.** *Acta paediatrica*
Wong, R. J., Schulz, S., Espadas, C., Vreman, H. J., Rajadas, J., Stevenson, D. K.
2014; 103 (5): 474-479
 - **Anti-cancer effects of blue-green alga *Spirulina platensis*, a natural source of bilirubin-like tetrapyrrolic compounds** *ANNALS OF HEPATOLOGY*
Konickova, R., Vankova, K., Vanikova, J., Vanova, K., Muchova, L., Subhanova, I., Zadinova, M., Zelenka, J., Dvorak, A., Kolar, M., Srnad, H., Rimpelova, S., Ruml, et al

2014; 13 (2): 273-283

- **Heme Oxygenase-1 Promoter Polymorphisms and Neonatal Jaundice** *NEONATOLOGY*
Kaplan, M., Renbaum, P., Hamnermann, C., Vreman, H. J., Wong, R. J., Stevenson, D. K.
2014; 106 (4): 323-329
- **Heme oxygenase-1 promoter polymorphisms and neonatal jaundice.** *Neonatology*
Kaplan, M., Renbaum, P., Hammerman, C., Vreman, H. J., Wong, R. J., Stevenson, D. K.
2014; 106 (4): 323-329
- **Heme oxygenase-1 in pregnancy and cancer: similarities in cellular invasion, cytoprotection, angiogenesis, and immunomodulation.** *Frontiers in pharmacology*
Zhao, H., Ozen, M., Wong, R. J., Stevenson, D. K.
2014; 5: 295-?
- **Spirulina platensis and phycocyanobilin activate atheroprotective heme oxygenase-1: a possible implication for atherogenesis.** *Food & function*
Strasky, Z., Zemankova, L., Nemeckova, I., Rathouska, J., Wong, R. J., Muchova, L., Subhanova, I., Vanikova, J., Vanova, K., Vitek, L., Nachtigal, P.
2013; 4 (11): 1586-1594
- **Raltegravir in vitro effect on bilirubin binding.** *Pediatric infectious disease journal*
Clarke, D. F., Wong, R. J., Wenning, L., Stevenson, D. K., Mirochnick, M.
2013; 32 (9): 978-980
- **The effect of hematocrit on the efficacy of phototherapy for neonatal jaundice** *PEDIATRIC RESEARCH*
Lamola, A. A., Bhutani, V. K., Wong, R. J., Stevenson, D. K., McDonagh, A. F.
2013; 74 (1): 54-60
- **Heme oxygenase-1 deficiency promotes the development of necrotizing enterocolitis-like intestinal injury in a newborn mouse model.** *American journal of physiology. Gastrointestinal and liver physiology*
Schulz, S., Wong, R. J., Jang, K. Y., Kalish, F., Chisholm, K. M., Zhao, H., Vreman, H. J., Sylvester, K. G., Stevenson, D. K.
2013; 304 (11): G991-G1001
- **Bilirubin neurotoxicity in preterm infants: risk and prevention.** *Journal of clinical neonatology*
Bhutani, V. K., Wong, R. J.
2013; 2 (2): 61-69
- **Combining hand techniques with electric pumping increases the caloric content of milk in mothers of preterm infants** *JOURNAL OF PERINATOLOGY*
Morton, J., Wong, R. J., Hall, J. Y., Pang, W. W., Lai, C. T., Lui, J., Hartmann, P. E., Rhine, W. D.
2012; 32 (10): 791-796
- **A deficiency in haem oxygenase-1 induces foetal growth restriction by placental vasculature defects** *ACTA PAEDIATRICA*
Wong, R. J., Zhao, H., Stevenson, D. K.
2012; 101 (8): 827-834
- **Effect of light exposure on metalloporphyrin-treated newborn mice** *PEDIATRIC RESEARCH*
Schulz, S., Wong, R. J., Kalish, F. S., Zhao, H., Jang, K. Y., Vreman, H. J., Stevenson, D. K.
2012; 72 (2): 161-168
- **Metalloporphyrins - an update.** *Frontiers in pharmacology*
Schulz, S., Wong, R. J., Vreman, H. J., Stevenson, D. K.
2012; 3: 68-?
- **Metalloporphyrins - an update** *FRONTIERS IN PHARMACOLOGY*
Schulz, S., Wong, R. J., Vreman, H. J., Stevenson, D. K.
2012; 3
- **Effects of Zinc Deuteroporphyrin Bis Glycol on Newborn Mice After Heme Loading** *PEDIATRIC RESEARCH*
He, C. X., Campbell, C. M., Zhao, H., Kalish, F. S., Schulz, S., Vreman, H. J., Wong, R. J., Stevenson, D. K.
2011; 70 (5): 467-472
- **Maternal Heme Oxygenase 1 Regulates Placental Vasculature Development via Angiogenic Factors in Mice** *BIOLOGY OF REPRODUCTION*

- Zhao, H., Azuma, J., Kalish, F., Wong, R. J., Stevenson, D. K.
2011; 85 (5): 1005-1012
- **Panhematin provides a therapeutic benefit in experimental pancreatitis** *GUT*
Habtezion, A., Kwan, R., Akhtar, E., Wanaski, S. P., Collins, S. D., Wong, R. J., Stevenson, D. K., Butcher, E. C., Omary, M. B.
2011; 60 (5): 671-679
 - **In vitro inhibition of heme oxygenase isoenzymes by metalloporphyrins** *JOURNAL OF PERINATOLOGY*
Wong, R. J., Vreman, H. J., Schulz, S., Kalish, F. S., Pierce, N. W., Stevenson, D. K.
2011; 31: S35-S41
 - **Metalloporphyrins in the management of neonatal hyperbilirubinemia** *SEMINARS IN FETAL & NEONATAL MEDICINE*
Stevenson, D. K., Wong, R. J.
2010; 15 (3): 164-168
 - **Combining hand techniques with electric pumping increases milk production in mothers of preterm infants** *JOURNAL OF PERINATOLOGY*
Morton, J., Hall, J. Y., Wong, R. J., Thairu, L., Benitz, W. E., Rhine, W. D.
2009; 29 (11): 757-764
 - **Effect of Heme Oxygenase-1 Deficiency on Placental Development** *PLACENTA*
Zhao, H., Wong, R. J., Kalish, F. S., Nayak, N. R., Stevenson, D. K.
2009; 30 (10): 861-868
 - **Dermal Carbon Monoxide Excretion in Neonatal Rats During Light Exposure** *PEDIATRIC RESEARCH*
Vreman, H. J., Knauer, Y., Wong, R. J., Chan, M., Stevenson, D. K.
2009; 66 (1): 66-69
 - **Heme oxygenase-1 deficiency leads to disrupted response to acute stress in stem cells and progenitors** *BLOOD*
Cao, Y., Wagers, A. J., Karsunky, H., Zhao, H., Reeves, R., Wong, R. J., Stevenson, D. K., Weissman, I. L., Contag, C. H.
2008; 112 (12): 4494-4502
 - **Inhibition of heme oxygenase activity in newborn mice by azalanstat** *CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY*
Morisawa, T., Wong, R. J., Bhutani, V. K., Vreman, H. J., Stevenson, D. K.
2008; 86 (10): 651-659
 - **Regulation of maternal and fetal hemodynamics by heme oxygenase in mice** *BIOLOGY OF REPRODUCTION*
Zhao, H., Wong, R. J., Doyle, T. C., Nayak, N., Vreman, H. J., Contag, C. H., Stevenson, D. K.
2008; 78 (4): 744-751
 - **Standardized bench method for evaluating the efficacy of phototherapy devices** *4th International Bilirubin Workshop*
Vreman, H. J., Wong, R. J., Murdock, J. R., Stevenson, D. K.
WILEY-BLACKWELL.2008: 308-16
 - **Statin treatment increases formation of carbon monoxide and bilirubin in mice: a novel mechanism of in vivo antioxidant protection** *CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY*
Muchova, L., Wong, R. J., Hsu, M., Morioka, O., Vitek, L., Zelenka, J., Schroeder, H., Stevenson, D. K.
2007; 85 (8): 800-810
 - **The role of Bach1 in the induction of heme oxygenase by tin mesoporphyrin** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
Abate, A., Zhao, H., Wong, R. J., Stevenson, D. K.
2007; 354 (3): 757-763
 - **Expression and regulation of heme oxygenase isozymes in the developing mouse cortex** *PEDIATRIC RESEARCH*
Zhao, H., Wong, R. J., Nguyen, X., Kalish, F., Mizobuchi, M., Vreman, H. J., Stevenson, D. K., Contag, C. H.
2006; 60 (5): 518-523
 - **Tissue-specific effects of statins on the expression of heme oxygenase-1 in vivo** *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*
HSU, M., Muchova, L., Morioka, I., Wong, R. J., Schroeder, H., Stevenson, D. K.
2006; 343 (3): 738-744

- **Systemic effects of orally-administered zinc and tin (IV) metalloporphyrins on heme oxygenase expression in mice** *PEDIATRIC RESEARCH*
Morioka, I., Wong, R. J., Abate, A., Vreman, H. J., Contag, C. H., Stevenson, D. K.
2006; 59 (5): 667-672
- **Monitoring age-related susceptibility of young mice to oral Salmonella enterica serovar typhimurium infection using an in vivo murine model** *PEDIATRIC RESEARCH*
Burns-Guydish, S. M., Olomu, I. N., Zhao, H., Wong, R. J., Stevenson, D. K., Contag, C. H.
2005; 58 (1): 153-158
- **Prediction of hyperbilirubinemia in near-term and term infants.** *Journal of perinatology*
Stevenson, D. K., Fanaroff, A. A., Maisels, M. J., Young, B. W., Wong, R. J., Vreman, H. J., MacMahon, J. R., Yeung, C. Y., Seidman, D. S., Gale, R., Oh, W., Bhutani, V. K., Johnson, et al
2001; 21: S63-72
- **Simultaneous production of carbon monoxide and thiobarbituric acid reactive substances in rat tissue preparations by an iron-ascorbate system** *CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY*
Vreman, H. J., Wong, R. J., Sanesi, C. A., Dennery, P. A., Stevenson, D. K.
1998; 76 (12): 1057-1065
- **Light-emitting diodes: A novel light source for phototherapy** *PEDIATRIC RESEARCH*
Vreman, H. J., Wong, R. J., Stevenson, D. K., Route, R. K., Reader, S. D., Fejer, M. M., Gale, R., Seidman, D. S.
1998; 44 (5): 804-809
- **Author Correction: Abrupt perturbation and delayed recovery of the vaginal ecosystem following childbirth.** *Nature communications*
Costello, E. K., DiGiulio, D. B., Robaczewska, A., Symul, L., Wong, R. J., Shaw, G. M., Stevenson, D. K., Holmes, S. P., Kwon, D. S., Relman, D. A.
2024; 15 (1): 1744
- **Correction: Advances to diminish global newborn kernicterus mortality.** *Journal of perinatology : official journal of the California Perinatal Association*
Bhutani, V. K., Vidavalur, R., Wong, R. J.
2024
- **Advances to diminish global newborn kernicterus mortality.** *Journal of perinatology : official journal of the California Perinatal Association*
Bhutani, V. K., Vidavalur, R., Wong, R. J.
2023
- **Microbiome Preterm Birth DREAM Challenge: Crowdsourcing Machine Learning Approaches to Advance Preterm Birth Research.** *medRxiv : the preprint server for health sciences*
Golob, J. L., Oskotsky, T. T., Tang, A. S., Roldan, A., Chung, V., Ha, C. W., Wong, R. J., Flynn, K. J., Parraga-Leo, A., Wibrand, C., Minot, S. S., Andreoletti, G., Kosti, et al
2023
- **VMAP: Vaginal Microbiome Atlas During Pregnancy.** *medRxiv : the preprint server for health sciences*
Parraga-Leo, A., Oskotsky, T. T., Oskotsky, B., Wibrand, C., Roldan, A., Tang, A., Ha, C. W., Wong, R. J., Minot, S. S., Andreoletti, G., Kosti, I., Theis, K. R., Ng, et al
2023
- **Molecular Mechanisms of Pregnancy-Related Vascular Remodeling and Pregnancy Complications.** *International journal of molecular sciences*
Stevenson, D. K., Wong, R. J., Nayak, N. R.
2023; 24 (4)
- **Shorter maternal leukocyte telomere length following cesarean birth: Implications for future research**
Panelli, D. M., Mayo, J. A., Wong, R. J., Becker, M., Maric, I., Wu, E., Gotlib, I. H., Aghaeepour, N., Druzin, M. L., Stevenson, D. K., Shaw, G. M., Bianco, K.
MOSBY-ELSEVIER.2023: S456-S457
- **ALTERATIONS IN PLACENTAL GENE EXPRESSION AND GLYCOGEN-POSITIVE CELLS IN OBESE PREGNANT MICE**
Zhao, H., Wong, R. J., Stevenson, D. K.
SAGE PUBLICATIONS LTD.2023: NP66
- **Author Correction: Prediction of gestational age using urinary metabolites in term and preterm pregnancies.** *Scientific reports*
Contrepois, K., Chen, S., Ghaemi, M. S., Wong, R. J., Jehan, F., Sazawal, S., Baqui, A. H., Stringer, J. S., Rahman, A., Nisar, M. I., Dhingra, U., Khanam, R., Ilyas, et al

2022; 12 (1): 19753

- **Leukocyte telomere dynamics across gestation in uncomplicated pregnancies and associations with stress.** *BMC pregnancy and childbirth*
Panelli, D. M., Leonard, S. A., Wong, R. J., Becker, M., Mayo, J. A., Wu, E., Girsens, A. I., Gotlib, I. H., Aghaeepour, N., Druzin, M. L., Shaw, G. M., Stevenson, D. K., Bianco, et al
2022; 22 (1): 381
- **Alterations of Placental Gene Expression in Obese Pregnant Mice**
Zhao, H., Wong, R. J., Stevenson, D. K.
SPRINGER HEIDELBERG.2022: 217-218
- **Cellular aging and pregnancy complications: Examining maternal leukocyte telomere length in two diverse cohorts.**
Panelli, D. M., Wang, X., Wong, R. J., Cruz, G., Hong, X., Aghaeepour, N., Druzin, M. L., Shaw, G. M., Zuckerman, B. S., Stevenson, D. K., Bianco, K.
MOSBY-ELSEVIER.2022: S646
- **Early-pregnancy prediction of risk for pre-eclampsia using maternal blood leptin/ceramide ratio: discovery and confirmation.** *BMJ open*
Huang, Q., Hao, S., You, J., Yao, X., Li, Z., Schilling, J., Thyparambil, S., Liao, W., Zhou, X., Mo, L., Ladella, S., Davies-Balch, S. R., Zhao, et al
2021; 11 (11): e050963
- **Noninvasive Prediction of Preeclampsia in Pregnancy with Circulating RNA.**
Moufarrej, M. N., Wong, R. J., Campos, A. A., Quaintance, C. C., Sit, R. V., Tan, M., Neff, N. F., Druzin, M. L., Winn, V. D., Shaw, G. M., Stevenson, D. K., Quake, S. R.
SPRINGER HEIDELBERG.2021: 75A
- **Multi-Omic, Longitudinal Profile of Third-Trimester Pregnancies Identifies a Molecular Switch That Predicts the Onset of Labor.**
Stelzer, I., Ghaemi, M., Han, X., Ando, K., Hedou, J., Feyaerts, D., Peterson, L., Ganio, E., Tsai, A., Tsai, E., Rumer, K., Stanley, N., Fallazadeh, et al
SPRINGER HEIDELBERG.2021: 233A-234A
- **HO-1 Genetic Variants Display Racial Diversity and May Impact Hypertensive Disorders in Pregnancy.**
Sun, T., Mousavi, N., Wong, R. J., Sayed, N., Wu, J. C., Stevenson, D. K., Gymrek, M., Winn, V. D.
SPRINGER HEIDELBERG.2021: 105A
- **Bilirubin/albumin (B/A) ratios correlate with unbound bilirubin levels in preterm infants.** *Pediatric research*
Abe, S. n., Fujioka, K. n., Nakasone, R. n., Suga, S. n., Ashina, M. n., Nishida, K. n., Wong, R. J., Iijima, K. n.
2021
- **Inflammation-induced alterations in maternal-fetal Heme Oxygenase (HO) are associated with sustained innate immune cell dysregulation in mouse offspring.** *PLoS one*
Ozen, M., Zhao, H., Kalish, F., Yang, Y., Jantzie, L. L., Wong, R. J., Stevenson, D. K.
2021; 16 (6): e0252642
- **Corrigendum: Investigating Pregnancy and Its Complications Using Circulating Cell-Free RNA in Women's Blood During Gestation.** *Frontiers in pediatrics*
Moufarrej, M. N., Wong, R. J., Shaw, G. M., Stevenson, D. K., Quake, S. R.
2021; 9: 680201
- **DO BILIRUBIN/ALBUMIN (B/A) RATIOS CORRELATE WITH UNBOUND BILIRUBIN LEVELS IN PRETERM INFANTS?**
Abe, S., Fujioka, K., Wong, R. J., Iijima, K.
BMJ PUBLISHING GROUP.2021: 126–27
- **DECREASED MORTALITY RATE AMONG COVID-19 PATIENTS USING STATINS: DATA FROM US ELECTRONIC HEALTH RECORDS**
Oskotsky, T., Maric, I., Kostic, I., Le, B. L., Wong, R. J., Shaw, G. M., Sirota, M., Stevenson, D. K.
BMJ PUBLISHING GROUP.2021: 219–20
- **IN VITRO INHIBITORY POTENCY OF D-PENICILLAMINE ON HEME OXYGENASE ISOZYME ACTIVITY**
Fuwa, K., Konecny, C. M., Stevenson, D. K., Wong, R. J.
BMJ PUBLISHING GROUP.2021: 111–12
- **High-throughput quantitation of serological ceramides/dihydroceramides by LC/MS/MS: Pregnancy baseline biomarkers and potential metabolic messengers.** *Journal of pharmaceutical and biomedical analysis*

- Huang, Q. n., Hao, S. n., Yao, X. n., You, J. n., Li, X. n., Lai, D. n., Han, C. n., Schilling, J. n., Hwa, K. Y., Thyparambil, S. n., Whitin, J. n., Cohen, H. J., Chubb, et al
2020; 192: 113639
- **A global approach to prevent kernicterus: A dedication to Lois Johnson-Hammerman (Aug. 1, 1927 to Aug. 11, 2019).** *Seminars in perinatology*
Bhutani, V. K., Wong, R. J.
2020: 151350
 - **Sixty years of phototherapy for neonatal jaundice: from serendipitous observation to standardized treatment and rescue for millions.** *Journal of perinatology : official journal of the California Perinatal Association*
Hansen, T. W., Jeffrey Maisels, M. n., Ebbesen, F. n., Vreman, H. J., Stevenson, D. K., Wong, R. J., Bhutani, V. K.
2020
 - **A multi-center evaluation of a device for measurement of bilirubin binding capacity in neonates: the effects of gestational age, Intralipid exposure and illness severity.** *Journal of perinatology : official journal of the California Perinatal Association*
Schutzman, D. L., Bhutani, V. K., Castillo Cuadrado, M. E., Lamola, A. A., Frantz, I., Obregon, E., Wong, R. J.
2019
 - **Data-Driven Queries between Medications and Spontaneous Preterm Birth among 2.5 Million Pregnancies: Association with Genital Herpes and Antiviral Drugs.**
Maric, I., Borisenko, E., Winn, V. D., Weber, K. A., Wong, R. J., Aziz, N., Blumenfeld, Y. J., El-Sayed, Y. Y., Stevenson, D. K., Shaw, G. M.
SAGE PUBLICATIONS INC.2019: 389A
 - **Soluble Factors in the Murine Placenta Regulate Gene Expression in Alternatively-Activated Macrophages.**
Zhao, H., Kalish, F., Wong, R. J., Stevenson, D. K.
SAGE PUBLICATIONS INC.2019: 293A
 - **Differential Dynamics of the Maternal Immune System in Healthy Pregnancy and Preeclampsia.**
Han, X., Ghaemi, M. S., Ando, K., Peterson, L., Ganio, E. A., Tsai, A. S., Gaudilliere, D., Einhaus, J., Tsai, E. S., Stanley, N. M., Culos, A., Taneda, A. H., Fallahzadeh, et al
SAGE PUBLICATIONS INC.2019: 271A
 - **Correction: The effect of light wavelength on in vitro bilirubin photodegradation and photoisomer production.** *Pediatric research*
Vreman, H. J., Kourula, S., Jasprova, J., Ludvikova, L., Klan, P., Muchova, L., Vitek, L., Cline, B. K., Wong, R. J., Stevenson, D. K.
2019
 - **"Following through": addressing the racial inequality for preterm infants and their families.** *Pediatric research*
Stevenson, D. K., Wong, R. J., Profit, J. n., Shaw, G. M., Jason Wang, C. n., Lee, H. C.
2019
 - **IN VITRO INHIBITORY POTENCY OF ZINC PROTOPORPHYRIN MICROSPHERES ON HEME OXYGENASE ISOZYME ACTIVITY**
Jacobsen, D., Iwatani, S., Onderdonk, Z., Wong, R. T., Wong, R. J., Stevenson, D. K.
BMJ PUBLISHING GROUP.2019: 117
 - **A NOVEL POINT-OF-CARE DEVICE FOR MEASURING GLUCOSE-6-PHOSPHATE DEHYDROGENASE ENZYME DEFICIENCY**
Montiel, C., Kunda, M., Stevenson, D. K., Wong, R. J., Bhutani, V. K.
BMJ PUBLISHING GROUP.2019: 117
 - **BILIRUBIN PRODUCTION IS INCREASED IN NEWBORN MICE TREATED WITH LIPOPOLYSACCHARIDE**
Iwatani, S., Jacobsen, D., Wong, R. T., Onderdonk, Z., Wong, R. J., Stevenson, D. K.
BMJ PUBLISHING GROUP.2019: 117–18
 - **Author Correction: Enabling precision medicine in neonatology, an integrated repository for preterm birth research.** *Scientific data*
Sirota, M., Thomas, C. G., Liu, R., Zuhl, M., Banerjee, P., Wong, R. J., Quaintance, C. C., Leite, R., Chubiz, J., Anderson, R., Chappell, J., Kim, M., Grobman, et al
2018; 5 (1): 3
 - **Enabling precision medicine in neonatology, an integrated repository for preterm birth research (vol 5, 180219, 2018) SCIENTIFIC DATA**
Sirota, M., Thomas, C. G., Liu, R., Zuhl, M., Banerjee, P., Wong, R. J., Quaintance, C. C., Leite, R., Chubiz, J., Anderson, R., Chappell, J., Kim, M., Grobman, et al
2018; 5
 - **Enabling precision medicine in neonatology, an integrated repository for preterm birth research SCIENTIFIC DATA**

- Sirota, M., Thomas, C. G., Liu, R., Zuhl, M., Banerjee, P., Wong, R. J., Quaintance, C. C., Leite, R., Chubiz, J., Anderson, R., Chappell, J., Kim, M., Grobman, et al
2018; 5
- **Impact of post-collection freezing delay on the reliability of serum metabolomics in samples reflecting the California mid-term pregnancy biobank** *METABOLOMICS*
La Frano, M. R., Carmichael, S. L., Ma, C., Hardley, M., Shen, T., Wong, R., Rosales, L., Borkowski, K., Pedersen, T. L., Shaw, G. M., Stevenson, D. K., Fiehn, O., Newman, et al
2018; 14 (11)
 - **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
 - **In Vitro Study on the Effect of Maraviroc or Dolutegravir on Bilirubin to Albumin Binding** *PEDIATRIC INFECTIOUS DISEASE JOURNAL*
Schreiner, C. N., Ahlfors, C. E., Wong, R. J., Stevenson, D. K., Clarke, D. F., Mirochnick, M.
2018; 37 (9): 908–9
 - **Maternal Height and Risk of Preeclampsia.**
Maric, I., Mayo, J. A., Druzin, M. L., Wong, R. J., Winn, V. D., Stevenson, D. K., Shaw, G. M.
SAGE PUBLICATIONS INC.2018: 207A–208A
 - **Heme Oxygenase-1 Deficiency Results in T-Cell Dysregulation in Offspring of Mothers Exposed to Late Gestational Inflammation**
Ozen, M., Zhao, H., Kalish, F., Yang, Y., Wong, R. J., Stevenson, D. K.
SAGE PUBLICATIONS INC.2018: 248A–249A
 - **Pravastatin Induces Heme Oxygenase Activity and Enhances Placental Development in a Murine Model.**
Tsur, A., Kalish, F., Burgess, J., Zhao, H., Casey, K. M., Druzin, M. L., Wong, R. J., Stevenson, D. K.
SAGE PUBLICATIONS INC.2018: 155A–156A
 - **The Effects of Hypoxia and Progesterone/Estrogen on Polarized Macrophages In Vitro.**
Zhao, H., Kalish, F., Wong, R. J., Stevenson, D. K.
SAGE PUBLICATIONS INC.2018: 301A–302A
 - **Mass Cytometry and Proteomic Based Prediction of the Onset of Labor.**
Ando, K., Han, X., Ghaemi, S., Tsai, A., Ganio, E., Gaudilliere, D., Culos, T., Shaw, G., Wong, R., Stevenson, D., Carvalho, B., Tingle, M., Angst, et al
SAGE PUBLICATIONS INC.2018: 153A
 - **Pravastatin improves pregnancy outcome and placental development in heme oxygenase-1 deficient mice**
Tsur, A., Kalish, F., Burgess, J., Zhao, H., Casey, K., Druzin, M. L., Wong, R. J., Stevenson, D. K.
MOSBY-ELSEVIER.2018: S202
 - **Bilirubin Production Is Increased in Newborn Mice Exposed to Isoflurane.** *Neonatology*
Iwatani, S., Burgess, J., Kalish, F., Wong, R. J., Stevenson, D. K.
2018; 115 (1): 21-27
 - **NEONATAL HYPERBILIRUBINEMIA AFTER MECHANICAL CIRCULATORY SUPPORT**
Bhombal, S., Dasani, R., Davis, A., Axelrod, D. M., Wong, R. J., Bhutani, V. K.
BMJ PUBLISHING GROUP.2018: 164–65
 - **TREATMENT WITH PRAVASTATIN IMPROVES PREGNANCY OUTCOME AND PLACENTAL DEVELOPMENT IN HEME OXYGENASE-1-DEFICIENT MICE**
Tsur, A., Kalish, F., Burgess, J., Zhao, H., Casey, K. M., Druzin, M. L., Wong, R. J., Stevenson, D. K.
BMJ PUBLISHING GROUP.2018: 241–42
 - **CYCLED PHOTOTHERAPY IS A SAFE AND EFFECTIVE TREATMENT FOR SMALL PREMATURE INFANTS WITH HYPERBILIRUBINEMIA**
Arnold, C. C., Tyson, J. E., Cuadrado, C. E., Dempsey, A. G., Khan, A. M., Pedroza, C., Bhutani, V. K., Wong, R. J., Stevenson, D. K.
BMJ PUBLISHING GROUP.2017: 150–51

- **'The obesity paradox': a reconsideration of obesity and the risk of preterm birth.** *Journal of perinatology : official journal of the California Perinatal Association*
Tsur, A. n., Mayo, J. A., Wong, R. J., Shaw, G. M., Stevenson, D. K., Gould, J. B.
2017
- **HEME OXYGENASE-1 DEFICIENCY INCREASES THE SEVERITY OF SEPSIS IN A PRETERM MOUSE MODEL**
Fujioka, K., Kalish, F., Zhao, H., Wong, R. J., Stevenson, D. K.
BMJ PUBLISHING GROUP.2017: 114–15
- **IDENTIFICATION OF RISK FOR NEONATAL HEMOLYSIS: A MULTI-CENTER STUDY**
Bhutani, V. K., Cuadrado, C. E., Schutzman, D. L., Aby, J. L., Bogen, D. L., Christensen, R. D., Watchko, J. F., Maisels, M., Wong, R. J., Stevenson, D. K.
BMJ PUBLISHING GROUP.2017: 123
- **Identification of neonatal haemolysis: an approach to predischage management of neonatal hyperbilirubinemia** *ACTA PAEDIATRICA*
Bhutani, V. K., Srinivas, S., Cuadrado, M. E., Aby, J. L., Wong, R. J., Stevenson, D. K.
2016; 105 (5): E189-E194
- **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
- **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.
2015; 103 (9): 741-746
- **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*
Gaudillière, B., Ganio, E. A., Tingle, M., Lancero, H. L., Fragiadakis, G. K., Baca, Q. J., Aghaeepour, N., Wong, R. J., Quaintance, C., El-Sayed, Y. Y., Shaw, G. M., Lewis, D. B., Stevenson, et al
2015; 87 (9): 817-829
- **Association of HMOX1 gene promoter polymorphisms with hyperbilirubinemia in the early neonatal period** *PEDIATRICS INTERNATIONAL*
Katayama, Y., Yokota, T., Zhao, H., Wong, R. J., Stevenson, D. K., Taniguchi-Ikeda, M., Nakamura, H., Iijima, K., Morioka, I.
2015; 57 (4): 645-649
- **Escherichia coli heme oxygenase modulates host innate immune responses** *MICROBIOLOGY AND IMMUNOLOGY*
Maharshak, N., Ryu, H. S., Fan, T., Onyiah, J. C., Schulz, S., Otterbein, S. L., Wong, R., Hansen, J. J., Otterbein, L. E., Carroll, I. M., Plevy, S. E.
2015; 59 (8): 452-465
- **Evaluation of a new end-tidal carbon monoxide monitor from the bench to the bedside** *ACTA PAEDIATRICA*
Cuadrado, M. E., Bhutani, V. K., Aby, J. L., Vreman, H. J., Wong, R. J., Stevenson, D. K.
2015; 104 (6): E279-E282
- **Protective effect of heme oxygenase induction in ethinylestradiol-induced cholestasis** *JOURNAL OF CELLULAR AND MOLECULAR MEDICINE*
Muchova, L., Vanova, K., Suk, J., Micuda, S., Dolezelova, E., Fuksa, L., Cerny, D., Farghali, H., Zelenkova, M., Lenicek, M., Wong, R. J., Vreman, H. J., Vitek, et al
2015; 19 (5): 924-933
- **Unique Roles of Infiltrating Myeloid Cells in the Murine Uterus during Early to Midpregnancy.** *Journal of immunology*
Zhao, H., Kalish, F., Schulz, S., Yang, Y., Wong, R. J., Stevenson, D. K.
2015; 194 (8): 3713-3722
- **Heme oxygenase-1 in pregnancy and cancer: similarities in cellular invasion, cytoprotection, angiogenesis, and immunomodulation** *FRONTIERS IN PHARMACOLOGY*
Zhao, H., Ozen, M., Wong, R. J., Stevenson, D. K.
2015; 5

- **Heme oxygenase and the immune system in normal and pathological pregnancies.** *Frontiers in pharmacology*
Ozen, M., Zhao, H., Lewis, D. B., Wong, R. J., Stevenson, D. K.
2015; 6: 84-?
- **Direct antiglobulin titer strength and hyperbilirubinemia.** *Pediatrics*
Kaplan, M., Hammerman, C., Vreman, H. J., Wong, R. J., Stevenson, D. K.
2014; 134 (5): e1340-4
- **Protective effects of inhaled carbon monoxide in endotoxin-induced cholestasis is dependent on its kinetics.** *Biochimie*
Vanova, K., Suk, J., Petr, T., Cerny, D., Slanar, O., Vreman, H. J., Wong, R. J., Zima, T., Vitek, L., Muchova, L.
2014; 97: 173-180
- **Risks and benefits of comparative effectiveness research in preterm infants: SUPPORT.** *Journal of comparative effectiveness research*
Stevenson, D. K., Wong, R. J., Tyson, J. E.
2014; 3 (1): 17-21
- **Treatment of neonatal jaundice with filtered sunlight in Nigerian neonates: study protocol of a non-inferiority, randomized controlled trial TRIALS**
Slusher, T. M., Olusanya, B. O., Vreman, H. J., Wong, R. J., Brearley, A. M., Vaucher, Y. E., Stevenson, D. K.
2013; 14
- **Evaluation of window-tinting films for sunlight phototherapy.** *Journal of tropical pediatrics*
Vreman, H. J., Slusher, T. M., Wong, R. J., Schulz, S., Olusanya, B. O., Stevenson, D. K.
2013; 59 (6): 496-501
- **HEME OXYGENASE ACTIVITY AND HEME BINDING ARE CRITICAL IN EARLY LIFE** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Ang, J., Schulz, S., Wong, R. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2013: 190-90
- **HEME OXYGENASE ACTIVITY AND HEME BINDING ARE CRITICAL IN EARLY LIFE** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Ang, J., Schulz, S., Wong, R. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2013: 153-53
- **Intracellular accumulation of bilirubin as a defense mechanism against increased oxidative stress** *BIOCHIMIE*
Zelenka, J., Muchova, L., Zelenkova, M., Vanova, K., Vreman, H. J., Wong, R. J., Vitek, L.
2012; 94 (8): 1821-1827
- **Neonatal phototherapy: choice of device and outcome** *ACTA PAEDIATRICA*
Bhutani, V. K., Wong, R. J.
2012; 101 (5): 441-443
- **IN VITRO BILIRUBIN PHOTODESTRUCTION ACTION SPECTRUM REVISITED** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Schulz, S., Vreman, H. J., Wong, R. J., Cline, B., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2012: 210-10
- **HEME OXYGENASE-1 DEFICIENCY PROMOTES NECROTIZING ENTEROCOLITIS DEVELOPMENT IN A MURINE MOUSE MODEL** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Schulz, S., Jang, K., Kalish, F. S., Zhao, H., Vreman, H. J., Sylvester, K. S., Wong, R. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2012: 158-58
- **Is phototherapy exposure associated with better or worse outcomes in 501-to 1000-g-birth-weight infants?** *ACTA PAEDIATRICA*
Hintz, S. R., Stevenson, D. K., Yao, Q., Wong, R. J., Das, A., Van Meurs, K. P., Morris, B. H., Tyson, J. E., Oh, W., Poole, W. K., Phelps, D. L., McDavid, G. E., Grisby, et al
2011; 100 (7): 960-965
- **Bilirubin Production and the Risk of Bilirubin Neurotoxicity** *SEMINARS IN PERINATOLOGY*
Stevenson, D. K., Vreman, H. J., Wong, R. J.
2011; 35 (3): 121-126

- **Heme Oxygenase-1 Deletion Affects Stress Erythropoiesis** *PLOS ONE*
Cao, Y., Kusy, S., Luong, R., Wong, R. J., Stevenson, D. K., Contag, C. H.
2011; 6 (5)
- **Bile acids decrease intracellular bilirubin levels in the cholestatic liver: implications for bile acid-mediated oxidative stress** *JOURNAL OF CELLULAR AND MOLECULAR MEDICINE*
Muchova, L., Vanova, K., Zelenka, J., Lenicek, M., Petr, T., Vejrazka, M., Sticova, E., Vreman, H. J., Wong, R. J., Vitek, L.
2011; 15 (5): 1156-1165
- **Spontaneous hepatic repopulation in transgenic mice expressing mutant human alpha 1-antitrypsin by wild-type donor hepatocytes** *JOURNAL OF CLINICAL INVESTIGATION*
Ding, J., Yannam, G. R., Roy-Chowdhury, N., Hidvegi, T., Basma, H., Rennard, S. I., Wong, R. J., Avsar, Y., Guha, C., Perlmutter, D. H., Fox, I. J., Roy-Chowdhury, J.
2011; 121 (5): 1930-1934
- **Quantitating carbon monoxide production from heme by vascular plant preparations in vitro** *PLANT PHYSIOLOGY AND BIOCHEMISTRY*
Vreman, H. J., Wong, R. J., Stevenson, D. K.
2011; 49 (1): 61-68
- **THE INHIBITORY POTENCY OF LOW DOSES OF ZINC DEUTEROPORPHYRIN BIS GLYCOL ON HEME OXYGENASE ACTIVITY IN 3-DAY-OLD MICE** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Katayama, Y., Shaw, N., Yaffe, Z. A., He, C. X., Kalish, F. S., Schulz-Geske, S., Zhao, H., Wong, R. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2011: 170-70
- **ROLE OF HEME OXYGENASE IN A MURINE MODEL OF EARLY NECROTIZING ENTEROCOLITIS** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Schulz-Geske, S., Kalish, F. S., Jang, K. Y., Zhao, H., Huey, M., Vreman, H. J., Sylvester, K. S., Wong, R. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2011: 126-27
- **HEME OXYGENASE-1 EXPRESSION IS DIFFERENTIALLY REGULATED IN VITRO BY METALLOPORPHYRINS** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Schulz-Geske, S., Zhao, H., Kalish, F. S., McCarthy, E., Vreman, H. J., Wong, R. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2011: 196-96
- **EFFECT OF FLUORESCENT LIGHT EXPOSURE ON METALLOPORPHYRIN-TREATED NEWBORN MICE** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Schulz-Geske, S., Kalish, F. S., Zhao, H., Katayama, Y., Champion, K. A., Vreman, H. J., Wong, R. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2011: 126-26
- **Hemolysis and Hyperbilirubinemia in Antiglobulin Positive, Direct ABO Blood Group Heterospecific Neonates** *JOURNAL OF PEDIATRICS*
Kaplan, M., Hammerman, C., Vreman, H. J., Wong, R. J., Stevenson, D. K.
2010; 157 (5): 772-777
- **Understanding Neonatal Jaundice: A Perspective on Causation** *PEDIATRICS AND NEONATOLOGY*
Cohen, R. S., Wong, R. J., Stevenson, D. K.
2010; 51 (3): 143-148
- **Influence of clinical status on the association between plasma total and unbound bilirubin and death or adverse neurodevelopmental outcomes in extremely low birth weight infants** *ACTA PAEDIATRICA*
Oh, W., Stevenson, D. K., TYSON, J. E., Morris, B. H., Ahlfors, C. E., Bender, G. J., Wong, R. J., Perritt, R., Vohr, B. R., Van Meurs, K. P., Vreman, H. J., Das, A., Phelps, et al
2010; 99 (5): 673-678
- **ELEVATED EXHALED CARBON MONOXIDE CONCENTRATION IN HEMOGLOBINOPATHIES AND ITS RELATION TO RED BLOOD CELL TRANSFUSION THERAPY** *PEDIATRIC HEMATOLOGY AND ONCOLOGY*
James, E. B., Vreman, H. J., Wong, R. J., Stevenson, D. K., Vichinsky, E., Schumacher, L., Hall, J. Y., Simon, J., Golden, D. W., Harmatz, P.
2010; 27 (2): 112-121
- **MOLECULAR MECHANISM OF HEME OXYGENASE-1 INDUCTION BY STATINS** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Schulz-Geske, S., Kalish, F. S., Zhao, H., Vreman, H. J., Wong, R. J., Stevenson, D. K.

LIPPINCOTT WILLIAMS & WILKINS.2010: 208–

- **AGE-DEPENDENT EXPRESSION OF HEME OXYGENASE-1 IN MICE FOLLOWING ORAL ADMINISTRATION OF ZING BIS GLYCOL PORPHYRIN** *Western Regional Meeting of the American-Federation-for-Medical-Research*
He, C. X., Zhao, H., Kalish, F., Wong, R. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2010: 162–63
- **Molecular mechanism and functional consequences of lansoprazole-mediated heme oxygenase-1 induction** *WORLD JOURNAL OF GASTROENTEROLOGY*
Schulz-Geske, S., Erdmann, K., Wong, R. J., Stevenson, D. K., Schroeder, H., Grosser, N.
2009; 15 (35): 4392-4401
- **Differentiation and Transplantation of Human Embryonic Stem Cell-Derived Hepatocytes** *GASTROENTEROLOGY*
Basma, H., Soto-Gutierrez, A., Yannam, G. R., Liu, L., Ito, R., Yamamoto, T., Ellis, E., Carson, S. D., Sato, S., Chen, Y., Muirhead, D., Navarro-Alvarez, N., Wong, et al
2009; 136 (3): 990-999
- **Photoisomers: Obfuscating Factors in Clinical Peroxidase Measurements of Unbound Bilirubin?** *PEDIATRICS*
McDonagh, A. F., Vreman, H. J., Wong, R. J., Stevenson, D. K.
2009; 123 (1): 67-76
- **A NEW MOUSE MODEL OF NEONATAL BRAIN INJURY** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Knauer, Y., Wong, R. J., Zhao, H., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2009: 129–30
- **AGE-DEPENDENT EXPRESSION OF HEME OXYGENASE-1 IN MICE FOLLOWING ORAL ADMINISTRATION OF CHROMIUM MESOPORPHYRIN** *Western Regional Meeting of the American-Federation-for-Medical-Research*
He, C. X., Morisawa, T., Zhao, H., Wong, R. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2009: 177–77
- **Failure to Predict Hemolysis and Hyperbilirubinemia by IgG Subclass in Blood Group A or B Infants Born to Group O Mothers** *PEDIATRICS*
Kaplan, M., Na'amad, M., Kenan, A., Rudensky, B., Hammerman, C., Vreman, H. J., Wong, R. J., Stevenson, D. K.
2009; 123 (1): E132-E137
- **Highly sensitive method for quantitative determination of bilirubin in biological fluids and tissues** *JOURNAL OF CHROMATOGRAPHY B-ANALYTICAL TECHNOLOGIES IN THE BIOMEDICAL AND LIFE SCIENCES*
Zelenka, J., Lenicek, M., Muchova, L., Jirsa, M., Kudla, M., Balaz, P., Zadinova, M., Ostrow, J. D., Wong, R. J., Vitek, L.
2008; 867 (1): 37-42
- **Severe hemolysis with normal blood count in a glucose-6-phosphate dehydrogenase deficient neonate** *JOURNAL OF PERINATOLOGY*
Kaplan, M., Hammerman, C., Vreman, H. J., Wong, R. J., Stevenson, D. K.
2008; 28 (4): 306-309
- **Upregulation of the HO-1 gene by proton pump inhibitors - molecular mechanisms and functional consequences** *49th Annual Meeting of the German-Society-for-Experimental-and-Clinical-Pharmacology-and-Toxicology*
Schulz, S., Grosser, N., Erdmann, K., Hinkelmann, U., Wong, R. J., Stevenson, D. K., Schroeder, H.
SPRINGER.2008: 60–60
- **Heme oxygenase-1 and simvastatin: molecular mechanisms and in vivo effects** *49th Annual Meeting of the German-Society-for-Experimental-and-Clinical-Pharmacology-and-Toxicology*
Hinkelmann, U., Schulz, S., Grosser, N., Wong, R. J., Morisawa, T., Stevenson, D. K., Muchova, L., Schroeder, H.
SPRINGER.2008: 58–58
- **Efficacy of chromium mesoporphyrin in inhibiting heme oxygenase activity in heme-loaded newborn mice** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Morisawa, T., Xiao, H. H., Wong, R. J., Bhutani, V. K., Vreman, H. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2008: 198–98
- **Time-dependent effects of chromium mesoporphyrin on the inhibition of heme oxygenase activity in newborn mice** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Xiao, H. H., Morisawa, T., Wong, R. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2008: 260–61

- **(TA)(n) UGT 1A1 promoter polymorphism: A crucial factor in the pathophysiology of jaundice in G-6-PD deficient neonates** *PEDIATRIC RESEARCH*
Kaplan, M., Renbaum, P., Vreman, H. J., Wong, R. J., Levy-Lahad, E., Hammerman, C., Stevenson, D. K.
2007; 61 (6): 727-731
- **Chronic administration of statins increases bilirubin and carbon monoxide formation in the heart - A novel mechanism of antioxidant protection** *76th Congress of the European-Atherosclerosis-Society/15th Paavo Nurmi Symposium*
Muchova, L., Wong, R. J., HSU, M., Morioka, I., Zelenka, J., Vitek, L., Schroder, H., Stevenson, D. K.
ELSEVIER IRELAND LTD.2007: 206–
- **Heme oxygenase-1 stabilizes the blood-spinal cord barrier and limits oxidative stress and white matter damage in the acutely injured murine spinal cord** *JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM*
Lin, Y., Vreman, H. J., Wong, R. J., Tjoa, T., Yamauchi, T., Noble-Haeusslein, L. J.
2007; 27 (5): 1010-1021
- **Effects of sample dilution, peroxidase concentration, and chloride ion on the measurement of unbound bilirubin in premature newborns** *CLINICAL BIOCHEMISTRY*
Ahlfors, C. E., Vreman, H. J., Wong, R. J., Bender, G. J., Oh, W., Morris, B. H., Stevenson, D. K.
2007; 40 (3-4): 261-267
- **Inhibition of heme oxygenase activity following repeated heme loads by tin mesoporphyrin in newborn mice.** *8th Conference of the Western Student Medical Research Forum/Western Section of the American-Federation-for-Medical-Research/Western Association-of-Physicians/Western-Society-for-Pediatric-Research/Western-Society-for-Clinical-Investigation*
Wong, R. J., Morioka, I., Muchova, L., Vreman, H. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2007: S88–S88
- **Effect of early hand expression on milk production in pump-dependent mothers of preterm infants.** *8th Conference of the Western Student Medical Research Forum/Western Section of the American-Federation-for-Medical-Research/Western Association-of-Physicians/Western-Society-for-Pediatric-Research/Western-Society-for-Clinical-Investigation*
Morton, J., Hall, J. Y., Thairu, L., Nomanbhoy, S., Bhutani, R., Carlson, S., Wong, R. J., Rhine, W. D.
LIPPINCOTT WILLIAMS & WILKINS.2007: S116–S116
- **Maximizing milk volumes of pump-dependent mothers with breast massage.** *8th Conference of the Western Student Medical Research Forum/Western Section of the American-Federation-for-Medical-Research/Western Association-of-Physicians/Western-Society-for-Pediatric-Research/Western-Society-for-Clinical-Investigation*
Morton, J., Hall, J. Y., Thairu, L., Nomanbhoy, S., Bhutani, R., Carlson, S., Wong, R. J., Rhine, W. D.
LIPPINCOTT WILLIAMS & WILKINS.2007: S117–S117
- **Efficacy of azalanstat in inhibiting heme oxygenase activity in newborn mice.** *8th Conference of the Western Student Medical Research Forum/Western Section of the American-Federation-for-Medical-Research/Western Association-of-Physicians/Western-Society-for-Pediatric-Research/Western-Society-for-Clinical-Investigation*
Morisawa, T., Wong, R. J., Bhutani, V. K., Vreman, H. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2007: S89–S89
- **Comparison of heme oxygenase activity in gut-associated lymphoid tissues and the intestine.** *8th Conference of the Western Student Medical Research Forum/Western Section of the American-Federation-for-Medical-Research/Western Association-of-Physicians/Western-Society-for-Pediatric-Research/Western-Society-for-Clinical-Investigation*
Burns-Guydisli, S. M., Wong, R. J., Kafsh, F., Contag, C. H., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2007: S117–S118
- **Determination of in vivo carbon monoxide production in laboratory animals via exhaled air.** *Journal of pharmacological and toxicological methods*
Dercho, R. A., Nakatsu, K., Wong, R. J., Stevenson, D. K., Vreman, H. J.
2006; 54 (3): 288-295
- **Concentration of carbon monoxide (CO) in postmortem human tissues: Effect of environmental CO exposure** *Annual Meeting of the Society-of-Pediatric-Research*
Vreman, H. J., Wong, R. J., Stevenson, D. K., Smialek, J. E., Fowler, D. R., Li, n. L., Vigorito, R. D., Zielke, H. R.
WILEY-BLACKWELL PUBLISHING, INC.2006: 1182–90
- **End-tidal carbon monoxide measurements in infant respiratory distress syndrome** *ACTA PAEDIATRICA*
Krediet, T. G., Cirkel, G. A., Vreman, H. J., Wong, R. J., Stevenson, D. K., Groenendaal, F., Egberts, J., van Bel, F.
2006; 95 (9): 1075-1082

- **The effect of tin-mesoporphyrin on Bach 1 expression** *Experimental Biology 2006 Annual Meeting*
Abate, A., Zhao, H., Wong, R. J., Stevenson, D. K.
FEDERATION AMER SOC EXP BIOL.2006: A1344–A1344
- **Transcutaneous bilirubinometry: A noninvasive tool for studying newborn jaundiced rats before and after exposure to light** *PEDIATRIC RESEARCH*
Vreman, H. J., Wong, R. J., Chan, M. L., Young, B. W., Stevenson, D. K.
2006; 59 (2): 203-209
- **The effectiveness of oral tin mesoporphyrin prophylaxis in reducing bilirubin production after an oral heme load in a transgenic mouse model** *BIOLOGY OF THE NEONATE*
DeSandre, G. H., Wong, R. J., Morioka, I., Contag, C. H., Stevenson, D. K.
2006; 89 (3): 139-146
- **Metalloporphyrin inhibition of in vitro mouse heme oxygenase isozyme activity.** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Pierce, N. W., Wong, R. J., Morioka, I., Vreman, H. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2006: S120–S121
- **Statins as tissue-specific inducers of in vivo heme oxygenase expression.** *Western Regional Meeting of the American-Federation-for-Medical-Research*
HSU, M., Muchova, L., Morioka, I., Wong, R. J., Schroder, H., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2006: S121–S121
- **Statins as tissue-specific inducers of in vivo heme oxygenase expression** *Western Regional Meeting of the American-Federation-for-Medical-Research*
HSU, M., Muchova, L., Morioka, I., Wong, R. J., Schroder, H., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2006: S86–S86
- **Dose-dependent effects of tin mesoporphyrin on heme oxygenase activity inhibition in newborn mice.** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Morioka, I., Wong, R. J., Vreman, H. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2006: S128–S128
- **Heme regulation in traumatic brain injury: relevance to the adult and developing brain** *JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM*
Chang, E. F., Claus, C. P., Vreman, H. J., Wong, R. J., Noble-Haeusslein, L. J.
2005; 25 (11): 1401-1417
- **Apigenin decreases hemin-mediated heme oxygenase-1 induction** *FREE RADICAL BIOLOGY AND MEDICINE*
Abate, A., Yang, G., Wong, R. J., Schroder, H., Stevenson, D. K., Dennery, P. A.
2005; 39 (6): 711-718
- **Determination of carbon monoxide (CO) in rodent tissue: Effect of heme administration and environmental CO exposure** *ANALYTICAL BIOCHEMISTRY*
Vreman, H. J., Wong, R. J., Kadotani, T., Stevenson, D. K.
2005; 341 (2): 280-289
- **Reduction in hospital readmission rates for hyperbilirubinemia is associated with use of transcutaneous bilirubin measurements** *CLINICAL CHEMISTRY*
Stevenson, D. K., Wong, R. J., Vreman, H. J.
2005; 51 (3): 481-482
- **Is carbon monoxide-mediated cyclic guanosine monophosphate production responsible for low blood pressure in neonatal respiratory distress syndrome?** *JOURNAL OF APPLIED PHYSIOLOGY*
van Bel, F., Latour, V., Vreman, H. J., Wong, R. J., Stevenson, D. K., Steendijk, P., Egberts, J., Krediet, T. G.
2005; 98 (3): 1044-1049
- **Attenuation of heme induction following exposure to tin mesoporphyrin in mice.**
DeSandre, G. H., Wong, R. J., Morioka, I., Vreman, H. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2005: S125–S125
- **Phototherapy: Current methods and future directions** *SEMINARS IN PERINATOLOGY*
Vreman, H. J., Wong, R. J., Stevenson, D. K.
2004; 28 (5): 326-333
- **NICHD Conference on Kernicterus: Research on Prevention of Bilirubin-Induced Brain Injury and Kernicterus: Bench-to-Bedside--Diagnostic Methods and Prevention and Treatment Strategies.** *Journal of perinatology*

- Stevenson, D. K., Wong, R. J., Vreman, H. J., McDonagh, A. F., Maisels, M. J., Lightner, D. A.
2004; 24 (8): 521-525
- **Transcutaneous bilirubin measurements and serum total bilirubin levels in indigenous African infants** *PEDIATRICS*
Slusher, T. M., Angyo, I. A., Bode-Thomas, F., Akor, F., Pam, S. D., Adetunji, A. A., McLaren, D. W., Wong, R. J., Vreman, H. J., Stevenson, D. K.
2004; 113 (6): 1636-1641
 - **Induction of heme oxygenase-1 in transgenic mouse fibroblast cells following successive exposures to heme** *Annual Meeting of the Pediatric-Academic-Societies*
DeSandre, G. H., Wong, R. J., Vreman, H. J., Stevenson, D. K.
NATURE PUBLISHING GROUP.2004: 473A-473A
 - **A primer on neonatal jaundice.** *Advances in pediatrics*
Stevenson, D. K., Wong, R. J., DeSandre, G. H., Vreman, H. J.
2004; 51: 263-288
 - **Induction of heme oxygenase-1 in mouse fibroblast cells after successive exposures to heme.** *Western Regional Meeting of the American-Federation-for-Medical-Research*
DeSandre, G. H., Wong, R. J., Vreman, H. J., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2004: S122-S122
 - **Characterization of coelenterazine analogs for measurements of Renilla luciferase activity in live cells and living animals.** *Molecular imaging*
Zhao, H., Doyle, T. C., Wong, R. J., Cao, Y., Stevenson, D. K., Piwnica-Worms, D., Contag, C. H.
2004; 3 (1): 43-54
 - **Effects of metalloporphyrins on heme oxygenase-1 transcription: correlative cell culture assays guide in vivo imaging.** *Molecular imaging*
Hajdena-Dawson, M., Zhang, W., Contag, P. R., Wong, R. J., Vreman, H. J., Stevenson, D. K., Contag, C. H.
2003; 2 (3): 138-149
 - **Heme oxygenase-2 protects against lipid peroxidation-mediated cell loss and impaired motor recovery after traumatic brain injury** *JOURNAL OF NEUROSCIENCE*
Chang, E. F., Wong, R. J., Vreman, H. J., Igarashi, T., Galo, E., Sharp, F. R., Stevenson, D. K., Noble-Haeusslein, L. J.
2003; 23 (9): 3689-3696
 - **Direct intestinal administration of metalloporphyrins and heme oxygenase expression.** *Western Regional Meeting of the American-Federation-for-Medical-Research*
Wong, R. J., Abate, A., Dennery, P. A., Vreman, H. J., Contag, C. H., Stevenson, D. K.
LIPPINCOTT WILLIAMS & WILKINS.2003: S140-S141
 - **Selection of potential therapeutics based on in vivo spatiotemporal transcription patterns of heme oxygenase-1** *JOURNAL OF MOLECULAR MEDICINE-JMM*
Zhang, W. S., Contag, P. R., Hardy, J., Zhao, H., Vreman, H. J., Hajdena-Dawson, M., Wong, R. J., Stevenson, D. K., Contag, C. H.
2002; 80 (10): 655-664
 - **The jaundiced newborn. Understanding and managing transitional hyperbilirubinemia.** *Minerva pediatrica*
Stevenson, D. K., Wong, R. J., Hintz, S. R., Vreman, H. J.
2002; 54 (5): 373-382
 - **Heme oxygenase-1 modulates fetal growth in the rat** *LABORATORY INVESTIGATION*
Kreiser, D., Nguyen, X., Wong, R., Seidman, D., Stevenson, D., Quan, S., Abraham, N., Dennery, P. A.
2002; 82 (6): 687-692
 - **Role of carbon monoxide and nitric oxide in newborn infants with postasphyxial hypoxic-ischemic encephalopathy** *PEDIATRICS*
Vreman, H. J., Wong, R. J., Stevenson, D. K., Engel, R. R.
2002; 109 (4): 715-715
 - **Transcutaneous bilirubin measurements correlate well with serum total bilirubin levels in indigenous African infants**
Slusher, T. M., Angyo, I. A., Bode-Thomas, F., Akor, F., Adetunji, A. A., McLaren, D. W., Wong, R. J., Vreman, H. J.
NATURE PUBLISHING GROUP.2002: 329A-329A
 - **Alternative metalloporphyrins for the treatment of neonatal jaundice.** *Journal of perinatology*

- Vreman, H. J., Wong, R. J., Stevenson, D. K.
2001; 21: S108-13
- **Prediction of hyperbilirubinemia in near-term and term infants** *PEDIATRICS*
Stevenson, D. K., Fanaroff, A. A., Maisels, M. J., Young, B. W., Wong, R. J., Vreman, H. J., MacMahon, J. R., Yeung, C. Y., Seidman, D. S., Gale, R., Oh, W., Bhutani, V. K., Johnson, et al
2001; 108 (1): 31-39
 - **Carbon monoxide and bilirubin production in neonates** *SEMINARS IN PERINATOLOGY*
Stevenson, D. K., Vreman, H. J., Wong, R. J., Contag, C. H.
2001; 25 (2): 85-93
 - **Exhaled carbon monoxide in asthma** *JOURNAL OF PEDIATRICS*
Vreman, H. J., Wong, R. J., Stevenson, D. K.
2000; 137 (6): 889-890
 - **Haem oxygenase activity in human umbilical cord and rat vascular tissues** *PLACENTA*
Vreman, H. J., Wong, R. J., Kim, E. C., Nabseth, D. C., Marks, G. S., Stevenson, D. K.
2000; 21 (4): 337-344
 - **Carbon monoxide detection and biological investigations.** *Transactions of the American Clinical and Climatological Association*
Stevenson, D. K., Vreman, H. J., Wong, R. J., Dennery, P. A., Contag, C. H.
2000; 111: 61-75
 - **Concentration of carbon monoxide (CO) in tissue.**
Wong, R. J., Vreman, H. J., Kadotani, T., Stevenson, D. K.
B C DECKER INC.2000: 23A-23A
 - **Validation of the natus CO-Stat (TM) end tidal breath analyzer in children and adults** *JOURNAL OF CLINICAL MONITORING AND COMPUTING*
Vreman, H. J., Wong, R. J., Harmatz, P., Fanaroff, A. A., Berman, B., Stevenson, D. K.
1999; 15 (7-8): 421-427
 - **Concentration of carbon monoxide (CO) in tissue**
Kadotani, T., Vreman, H. J., Wong, R. J., Stevenson, D. K.
NATURE PUBLISHING GROUP.1999: 67A-67A
 - **In vitro bilirubin degradation by a light emitting diode (LED) device.**
Vreman, H. J., Stevenson, D. K., Wong, R. J., Reader, S. D., Route, R. K., Fejer, M. M., Gale, R., Seidman, D. S.
LIPPINCOTT WILLIAMS & WILKINS.1998: 157A-157A
 - **Evaluation of the Ciba Corning 840 blood gas analyzer.** *Respiratory care*
Wong, R. J., Mahoney, J. J., van Kessel, A. L.
1995; 40 (6): 638-643
 - **STATPAL(R) II PH AND BLOOD-GAS ANALYSIS SYSTEM EVALUATED** *CLINICAL CHEMISTRY*
Wong, R. J., Mahoney, J. J., Harvey, J. A., VanKessel, A. L.
1994; 40 (1): 124-129
 - **REDUCED BOVINE HEMOGLOBIN SOLUTION EVALUATED FOR USE AS A BLOOD-GAS QUALITY-CONTROL MATERIAL** *CLINICAL CHEMISTRY*
Mahoney, J. J., Wong, R. J., VanKessel, A. L.
1993; 39 (5): 874-879
 - **CHANGES IN OXYGEN MEASUREMENTS WHEN WHOLE-BLOOD IS STORED IN ICED PLASTIC OR GLASS SYRINGES** *CLINICAL CHEMISTRY*
Mahoney, J. J., Harvey, J. A., Wong, R. J., VanKessel, A. L.
1991; 37 (7): 1244-1248
 - **FETAL HEMOGLOBIN OF TRANSFUSED NEONATES AND SPECTROPHOTOMETRIC MEASUREMENTS OF OXYHEMOGLOBIN AND CARBOXYHEMOGLOBIN** *JOURNAL OF CLINICAL MONITORING*
Mahoney, J. J., Wong, R. J., Vreman, H. J., Stevenson, D. K.

1991; 7 (2): 154-160

- **INCREASED LUNG WATER AND ASCITES AFTER MASSIVE COCAINE OVERDOSAGE IN MICE AND IMPROVED SURVIVAL RELATED TO BETA-ADRENERGIC BLOCKAGE** *ANNALS OF INTERNAL MEDICINE*

Robin, E. D., Wong, R. J., PTASHNE, K. A.

1989; 110 (3): 202-207

- **MITOCHONDRIAL-DNA MOLECULES AND VIRTUAL NUMBER OF MITOCHONDRIA PER CELL IN MAMMALIAN-CELLS** *JOURNAL OF CELLULAR PHYSIOLOGY*

Robin, E. D., Wong, R.

1988; 136 (3): 507-513

- **ADAPTATIONS OF NEUROTRANSMITTER SYNTHESIS TO CHRONIC HYPOXIA IN CELL-CULTURE** *BIOCHIMICA ET BIOPHYSICA ACTA*

Feinsilver, S. H., Wong, R., RAYBIN, D. M.

1987; 928 (1): 56-62

- **NEUROGENIC HYPERACUTE ASCITES IN MICE** *CLINICAL SCIENCE*

Nelson, D. P., Robin, E. D., Wong, R. J., MORIN, M. E., Bensch, K. G., MURPHY, B. J., Theodore, J.

1986; 71 (3): 327-330

- **HYPOXIC COORDINATE REGULATION OF MITOCHONDRIAL-ENZYMES IN MAMMALIAN-CELLS** *SCIENCE*

MURPHY, B. J., Robin, E. D., TAPPER, D. P., Wong, R. J., Clayton, D. A.

1984; 223 (4637): 707-709