



Ronald J. Wong

Sr Res Scientist-Basic Ls, Pediatrics - Neonatology

Bio

CURRENT ROLE AT STANFORD

Senior Research Scientist

Publications

PUBLICATIONS

- **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
- **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.
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- **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
- **Multimomics 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
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- **Data-driven queries between medications and spontaneous preterm birth among 2.5 million pregnancies.** *Birth defects research*
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- **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
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- **Pravastatin improves fetal survival in mice with a partial deficiency of heme oxygenase-1.** *Placenta*
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- **Understanding health disparities.** *Journal of perinatology : official journal of the California Perinatal Association*
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- **Enabling precision medicine in neonatology, an integrated repository for preterm birth research.** *Scientific data*
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- **Maternal Height and Risk of Preeclampsia among Race/Ethnic Groups.** *American journal of perinatology*
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Zhao, H., Kalish, F. S., Wong, R. J., Stevenson, D. K.
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- **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
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- **Heme oxygenase-1 deficiency promotes severity of sepsis in a non-surgical preterm mouse model.** *Pediatric research*
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- **Identification of risk for neonatal haemolysis.** *Acta paediatrica (Oslo, Norway : 1992)*
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- **A genome-wide association study identifies only two ancestry specific variants associated with spontaneous preterm birth** *SCIENTIFIC REPORTS*
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- **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*
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- **Simultaneously Monitoring Immune Response and Microbial Infections during Pregnancy through Plasma cfRNA Sequencing** *CLINICAL CHEMISTRY*
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- **Heme oxygenase-1 promoter polymorphisms: do they modulate neonatal hyperbilirubinemia?** *JOURNAL OF PERINATOLOGY*
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- **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.
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- **INDUCTION OF HEME OXYGENASE-1 ATTENUATES THE SEVERITY OF SEPSIS IN A NON-SURGICAL PRETERM MOUSE MODEL** *SHOCK*
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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
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- **Heme Oxygenase Activity and Heme Binding in a Neonatal Mouse Model** *NEONATOLOGY*
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- **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
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Fujioka, K., Kalish, F., Wong, R. J., Stevenson, D. K.

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- **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*
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Bhutani, V. K., Wong, R.
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- **Neonatal hemolysis and risk of bilirubin-induced neurologic dysfunction.** *Seminars in fetal & neonatal medicine*
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- **Mechanical Stress Changes the Complex Interplay Between HO-1, Inflammation and Fibrosis, During Excisional Wound Repair.** *Frontiers in medicine*
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- **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.
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