Stanford

Steven Andrew Baker

- Clinical Instructor, Pathology
- Postdoctoral Medical Fellow, Pathology

CLINICAL OFFICES

- **Palo Alto VA Pathology**

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Bio

BIO

Dr. Steven Baker is a clinical instructor in the Department of Pathology. He graduated from Cornell University with a B.S. in Biological Sciences before completing an M.D. and Ph.D., in Developmental Biology, at Baylor College of Medicine. Clinically he specializes in the laboratory analysis of hemostatic disorders.

CLINICAL FOCUS

- Pathology
- Blood Coagulation Disorders

ACADEMIC APPOINTMENTS

- Clinical Instructor, Pathology

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Baylor College Of Medicine (2012)
- Doctor of Medicine, Baylor College Of Medicine (2014)
- Bachelor of Science, Cornell University (2004)
- Residency: Stanford University Department of Pathology CA

STANFORD ADVISORS

- Thomas Montine, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Implementation of Whole-Blood Impedance Aggregometry for Heparin-Induced Thrombocytopenia Functional Assay and Case Discussion.** *American journal of clinical pathology*

  Jin, J., Baker, S. A., Hall, E. T., Gombar, S., Bao, A., Zehnder, J. L.

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- **CASE REPORT: MONOCLONAL IGM & LAMBDA; COAGULATION INHIBITOR WITH PHOSPHATIDYLSERINE SPECIFICITY INTERFERING WITH PLASMA, BUT NOT WHOLE-BLOOD BASED COAGULATION TESTING**
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- **Genome-wide distribution of linker histone H1.0 is independent of MeCP2.** *Nature neuroscience*
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- **An RNA interference screen identifies druggable regulators of MeCP2 stability** *SCIENCE TRANSLATIONAL MEDICINE*
  Lombardi, L. M., Zaghlula, M., Sztainberg, Y., Baker, S. A., Klisch, T. J., Tang, A. A., Huang, E. J., Zoghbi, H. Y.
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- **Real-Time Clinical Decision Support Decreases Inappropriate Plasma Transfusion** *AMERICAN JOURNAL OF CLINICAL PATHOLOGY*
  Shah, N., Baker, S. A., Spain, D., Shieh, L., Shepard, J., Hadhazy, E., Maggio, P., Goodnough, L. T.
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- **A study of the mutational landscape of pediatric-type follicular lymphoma and pediatric nodal marginal zone lymphoma.** *Modern pathology*
  Ozawa, M. G., Bhaduri, A., Chisholm, K. M., Baker, S. A., Ma, L., Zehnder, J. L., Luna-Fineman, S., Link, M. P., Merker, J. D., Arber, D. A., Ohgami, R. S.
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- **How I use clinical decision support to improve red blood cell utilization** *TRANSFUSION*
  Goodnough, L. T., Baker, S. A., Shah, N.
  2016; 56 (10): 2406-2411

- **Transportation Cooler Interventions Reduce Plasma and RBC Product Wastage.** *American journal of clinical pathology*
  Metcalf, R. A., Baker, S. A., Goodnough, L. T., Shah, N.
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- **MeCP2 binds to non-CG methylated DNA as neurons mature, influencing transcription and the timing of onset for Rett syndrome.** *Proceedings of the National Academy of Sciences of the United States of America*
  Chen, L., Chen, K., Lavery, L. A., Baker, S. A., Shaw, C. A., Li, W., Zoghbi, H. Y.
  2015; 112 (17): 5509–14

- **Karyopherin # 3 and karyopherin # 4 proteins mediate the nuclear import of methyl-CpG binding protein 2.** *The Journal of biological chemistry*
  Baker, S. A., Lombardi, L. M., Zoghbi, H. Y.
  2015; 290 (37): 22485–93

- **MECP2 disorders: from the clinic to mice and back.** *The Journal of clinical investigation*
  Lombardi, L. M., Baker, S. A., Zoghbi, H. Y.
  2015; 125 (8): 2914–23

- **An AT-hook domain in MeCP2 determines the clinical course of Rett syndrome and related disorders.** *Cell*
  Baker, S. A., Chen, L., Wilkins, A. D., Yu, P., Lichtarge, O., Zoghbi, H. Y.
  2013; 152 (5): 984–96

- **Dendritic arborization and spine dynamics are abnormal in the mouse model of MECP2 duplication syndrome.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
  Jiang, M., Ash, R. T., Baker, S. A., Suter, B., Ferguson, A., Park, J., Rudy, J., Torsky, S. P., Chao, H. T., Zoghbi, H. Y., Smirnakis, S. M.
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