Stanford

# Heather Byers

Clinical Assistant Professor, Pediatrics - Medical Genetics

### CLINICAL OFFICES

- **Medical Genetics**

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## Bio

### CLINICAL FOCUS

- Perinatal Genetics
- Genetics of Recurrent Pregnancy Loss & Infertility
- Differences of Sexual Development
- Dysmorphology
- Diagnostic Tools & Methodology
- Clinical Genetics

### ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Pediatrics - Medical Genetics

### ADMINISTRATIVE APPOINTMENTS

- Associate Director, Perinatal Genetics, (2017- present)
- Clerkship Director, Division of Medical Genetics, (2018- present)

### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Member, American Society of Human Genetics (2014 - present)
- Membership Committee, American College of Medical Genetics and Genomics (2015 - present)

### PROFESSIONAL EDUCATION

- Fellowship: University of Washington Medical Genetics Fellowship (2017) WA
- Board Certification: Clinical Genetics, American Board of Medical Genetics and Genomics (2017)
- Residency: University of Washington Medical Center (2016) WA
- Residency: University of Texas at Austin (2014) TX
- Medical Education: University of Iowa Carver College of Medicine (2012) IA

# Publications

## PUBLICATIONS

- **Factor VIII and vWF deficiency in STT3A-CDG.** *Journal of inherited metabolic disease*
  Chang, I. J., Byers, H. M., Ng, B. G., Merritt, J. L., Gilmore, R., Shrimal, S., Wei, W., Zhang, Y., Blair, A. B., Freeze, H. H., Zhang, B., Lam, C.
  2018

- **Discordant sex between fetal screening and postnatal phenotype requires evaluation.** *Journal of perinatology : official journal of the California Perinatal Association*
  Byers, H. M., Neufeld-Kaiser, W., Chang, E. Y., Tsuchiya, K., Oehler, E. S., Adam, M. P.
  2018

- **Increasing the Participation of Pregnant Women in Clinical Trials.** *JAMA*
  Heyrana, K., Byers, H. M., Stratton, P.
  2018

- **Minimal mosaicism, maximal phenotype: Discordance between clinical and molecular findings in two patients with tuberous sclerosis.** *American journal of medical genetics. Part C, Seminars in medical genetics*
  Byers, H. M., Jensen, D. M., Glass, I. A., Bennett, J. T.
  2018

- **Expanding the phenotype of congenital central hypoventilation syndrome impacts management decisions.** *American journal of medical genetics. Part A*
  Byers, H. M., Chen, M., Gelfand, A. S., Ong, B., Jendras, M., Glass, I. A.
  2018

- **Acute liver failure in neonates with undiagnosed hereditary fructose intolerance due to exposure from widely available infant formulas** *MOLECULAR GENETICS AND METABOLISM*
  Li, H., Byers, H. M., Diaz-Kuan, A., Vos, M. B., Hall, P. L., Tortorelli, S., Singh, R., Wallenstein, M. B., Allain, M., Dimmock, D. P., Farrell, R. M., McCandless, S., Gambello, et al
  2018; 123 (4): 428–32

- **Postmortem Somatic Sequencing of Tumors From Patients With Suspected Lynch Syndrome Has Clinical Utility for Surviving Relatives** *JCO Precision Oncology*
  Byers, H. M., Jacobson, A., McFaddin, A. S., Ussakli, C. H., Newlin, A., Stanich, P. S., More, S., Hamblett, A., Tait, J., Shirts, B., Pritchard, C. C., Konnick, E. Q., Lockwood, et al
  2018; 2 (1): 1-7

- **Unexpected ethical dilemmas in sex assignment in 46,XY DSD due to 5-alpha reductase type 2 deficiency** *AMERICAN JOURNAL OF MEDICAL GENETICS PART C-SEMINARS IN MEDICAL GENETICS*
  Byers, H. M., Mohnach, L. H., Fechner, P. Y., Chen, M., Thomas, I. H., Ramsdell, L. A., Shnorhavorian, M., McCauley, E. A., Oelschlager, A., Park, J. M., Sandberg, D. E., Adam, M. P., Keegan, et al
  2017; 175 (2): 260–67

- **Description of a new oncogenic mechanism for atypical teratoid rhabdoid tumors in patients with ring chromosome 22.** *American journal of medical genetics. Part A*
  Byers, H. M., Adam, M. P., Lacroix, A., Leary, S. E., Cole, B., Dobyns, W. B., Mefford, H. C.
  2017; 173 (1): 245-249

- **Dramatic Response After Lamotrigine in a Patient With Epileptic Encephalopathy and a De Novo CACNA1A Variant** *PEDIATRIC NEUROLOGY*
  Byers, H. M., Beatty, C. W., Hahn, S. H., Gospe, S. M.
  2016; 60: 79-82

- **Novel Report of Phosphoserine Phosphatase Deficiency in an Adult with Myeloneuropathy and Limb Contractures.** *JIMD reports*
  Byers, H. M., Bennett, R. L., Malouf, E. A., Weiss, M. D., Feng, J., Scott, C. R., Jayadev, S.
  2016; 30: 103-108

- **A proposed method to predict preterm birth using clinical data, standard maternal serum screening, and cholesterol** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
  Alleman, B. W., Smith, A. R., Byers, H. M., Bedell, B., Ryckman, K. K., Murray, J. C., Borowski, K. S.

2013; 208 (6)

- **Variations in CRHR1 are associated with persistent pulmonary hypertension of the newborn** *PEDIATRIC RESEARCH*
  Byers, H. M., Dagle, J. M., Klein, J. M., Ryckman, K. K., McDonald, E. L., Murray, J. C., Borowski, K. S.
  2012; 71 (2): 162-167