

- **Name:** Stephen Master
  
- **Current Position:**  
President, American Association for Clinical Chemistry  
Chief, Division of Laboratory Medicine, Children's Hospital of Philadelphia  
Associate Professor of Pathology and Laboratory Medicine, Perelman School of Medicine, University of Pennsylvania
  
- **Country:** USA
  
- **Educational Background:**  
AB, Princeton University, Princeton, NJ, USA (1990)  
PhD, University of Pennsylvania School of Medicine, USA (2001)  
MD, University of Pennsylvania School of Medicine, USA (2002)
  
- **Professional Experience:**
  - Director, Endocrinology Laboratory, Hospital of the University of Pennsylvania (2008-15)
  - Director, Central Laboratory, Weill Cornell Medicine, New York Presbyterian Hospital (2015-17)
  - Director, Central Lab Services, Children's Hospital of Philadelphia (2018-19)
  - Director, Michael Palmieri Laboratory for Metabolic and Advanced Diagnostics, Children's Hospital of Philadelphia (2019-present)
  - Chief, Division of Laboratory Medicine, Children's Hospital of Philadelphia (2019-present)
  
- **Professional Organizations:**
  - American Association for Clinical Chemistry  
(Board of Directors 2017-20; President-Elect 2020-21; President 2021-22)
  - AACC Academy (Fellow)
  - College of American Pathologists (Fellow)
  - American Society for Mass Spectrometry (Member)
  - International Consortium for the Harmonization of Clinical Lab Results
  
- **Main Scientific Publications:**

Wertheim GBW, Smith C, Figueroa ME, Kalos M, Bagg A, Carroll M, Master SR. Microsphere-based Multiplex Analysis of DNA Methylation in Acute Myeloid Leukemia. *J Mol Diagn* 16(2): 207-15, Mar 2014.

Raess P, ven de Geijn G-J, Njo T, Klop B, Sukhachev D, Wertheim G, McAleer T, Master SR (\*), Bagg A (\*). Automated screening for myelodysplastic syndromes through analysis of complete blood count and cell population data parameters. *Am J Hematology* 89(4): 369-74, 2014 (\*) co-corresponding authors, contributed equally

- Song D, Li LS, Arsenault PR, Heaton-Johnson KJ, Master SR, Lee FS: Defective Tibetan PHD2 Binding to p23 Links High Altitude Adaptation to Altered Oxygen Sensing. *J Biol Chem* 289(21): 14656-65, May 2014.
- Wertheim GBW, Smith C, Luskin M, Rager A, Figueroa ME, Carroll M, Master SR: Validation of DNA Methylation to Predict Outcome in Acute Myeloid Leukemia using xMELP. *Clin Chem* 61(1): 249-58, January 2015.
- Arsenault PR, Heaton-Johnson KJ, Li LS, Song D, Ferreira VS, Patel N, Master SR (\*), Lee FS (\*): Identification of Prolyl Hydroxylation Modifications in Mammalian Cell Proteins. *Proteomics* 15(7): 1259-67, Apr 2015.
- DiNardo CD #, Luskin MR #, Carroll M, Smith C, Harrison J, Pierce S, Kornblau S, Konopleva M, Kadia T, Katarjian H, Wertheim GM \*, Master SR : Validation of a Clinical Assay of Multi-Locus DNA Methylation for Prognosis of Newly Diagnosed AML *Am J Hematol* 8(10): 4362-67, 2016 #Both authors contributed equally.
- Luskin ML, Gimotty PA, Smith C, Loren AW, Figueroa ME, Harrison J, Sun Z Tallman MS, Paietta EM, Litzow MR, Melnick A, Levine R, Fernandez HF, Luger SM, Carroll M, Master SR \*, Wertheim GBW \*. : A Clinical Measure of DNA Methylation Predicts Outcome in De Novo AML. *JCI Insight* 1(9), 2016 \* authors contributed equally.
- Niazi MKK, Chung JH, Heaton-Johnson KJ, Martinez D, Castellanos R, Irwin MS, Master SR, Pawel BR, Gurcan MN, Weiser DA: Advancing clinicopathologic diagnosis of high-risk neuroblastoma using computerized image analysis and proteomic profiling. *Pediatr Dev Pathol Jul*, 2017 Notes: Epub ahead of print.
- Wertheim GB, Luskin MR, Carroll M, Master SR: Microsphere-based assessment of DNA methylation for AML prognosis. *Methods Mol Biol*(1633), 125-136, 2017.
- Gordon SM, Srinivasan L, Taylor DM, Master SR, Tremoglie MA, Hankeova A, Flannery DD, Abassi S, Fitzgerald JC, Harris MC: Derivation of a metabolic signature associated with bacterial meningitis in infants. *Pediatric Res Page*: [Epub ahead of print] Mar 2020
- Ganetzky RD, Master SR: Machine Learning for the Biochemical Genetics Laboratory. *Clin Chem* 66(9): 1134-5, Sep 2020.