

- **Name:** Daniel Herman
  
- **Current Position:**  
Assistant Professor of Pathology & Laboratory Medicine, University of Pennsylvania.
  
- **Country:** USA
  
- **Educational Background:**
  - SB, Massachusetts Institute of Technology (2004)
  - PhD, Harvard Medical School, Division of Medical Sciences (2011)
  - MD, Harvard Medical School (2013)
  - Clinical Pathology residency, University of Washington (2013 – 2016)
  
- **Professional Experience:**
  - Director of Endocrinology Laboratory, Hospital of the University of Pennsylvania (2016 – Present)
  
- **Professional Organizations:**
  - American Association of Clinical Chemistry (Member, Task Force on Data Analytics 2020-2021  
Member; PEACC Data Analytics Working Group 2020 - Present)
  - US Department of Health and Human Services program on Systemic Harmonization and Interoperability Enhancement for Laboratory Data (SHIELD), SHIELD Strategic Planning Implementation Committee
  - Association for Pathology Informatics
  - American Medical Informatics Association
  - Pennsylvania Association of Pathology (Member, Executive Council 2018-Present  
College of American Pathology Liaison; Advisor on State Affairs 2018-Present)
  - Academy of Clinical Laboratory Physicians and Scientists (Member)
  
- **Main Scientific Publications:**
  - Zhang L, Ding X, Ma Y, Muthu N, Ajmal I, Moore JH, **Herman DS\***, Chen J\*. [A maximum likelihood approach to electronic health record phenotyping using positive and unlabeled patients.](#) J Am Med Inform Assoc. 2020 Jan 1;27(1):119-126. doi: 10.1093/jamia/ocz170. PubMed PMID: 31722396; PubMed Central PMCID: PMC6913222.  
\*Equal contributions
  - **Herman DS**, Toro E, Baraban EG, Bagg A, Wang P. [Falsely Increased Plasma Lactate Dehydrogenase without Hemolysis Following Transport through Pneumatic Tube System.](#) J Appl Lab Med. 2019 Nov;4(3):433-438. doi: 10.1373/jalm.2018.028928. Epub 2019 Aug 13. PubMed PMID: 31659082.

- **Herman DS**, Smith C, Liu C, Vaughn CP, Palaniappan S, Pritchard CC, Shirts BH. [Efficient Detection of Copy Number Mutations in PMS2 Exons with a Close Homolog](#). *J Mol Diagn*. 2018 Jul;20(4):512-521. doi: 10.1016/j.jmoldx.2018.03.010. Epub 2018 May 22. PubMed PMID: 29792936; PubMed Central PMCID: PMC6119818.
- **Herman DS**, Ranjitkar P, Yamaguchi D, Grenache DG, Greene DN. [Endogenous alkaline phosphatase interference in cardiac troponin I and other sensitive chemiluminescence immunoassays that use alkaline phosphatase activity for signal amplification](#). *Clin Biochem*. 2016 Oct;49(15):1118-1121. doi: 10.1016/j.clinbiochem.2016.06.006. Epub 2016 Jun 16. PubMed PMID: 27317886.
- Roberts AM\*, Ware JS\*, **Herman DS\***, Schafer S, Baksi J, Bick AG, Buchan RJ, Walsh R, John S, Wilkinson S, Mazzarotto F, Felkin LE, Gong S, MacArthur JA, Cunningham F, Flannick J, Gabriel SB, Altshuler DM, Macdonald PS, Heinig M, Keogh AM, Hayward CS, Banner NR, Pennell DJ, O'Regan DP, San TR, de Marvao A, Dawes TJ, Gulati A, Birks EJ, Yacoub MH, Radke M, Gotthardt M, Wilson JG, O'Donnell CJ, Prasad SK, Barton PJ, Fatkin D, Hubner N, Seidman JG, Seidman CE, Cook SA. [Integrated allelic, transcriptional, and phenomic dissection of the cardiac effects of titin truncations in health and disease](#). *Sci Transl Med*. 2015 Jan 14;7(270):270ra6. doi: 10.1126/scitranslmed.3010134. PubMed PMID: 25589632; PubMed Central PMCID: PMC4560092. \*Equal contributions
- **Herman DS**, Lam L, Taylor MR, Wang L, Teekakirikul P, Christodoulou D, Conner L, DePalma SR, McDonough B, Sparks E, Teodorescu DL, Cirino AL, Banner NR, Pennell DJ, Graw S, Merlo M, Di Lenarda A, Sinagra G, Bos JM, Ackerman MJ, Mitchell RN, Murry CE, Lakdawala NK, Ho CY, Barton PJ, Cook SA, Mestroni L, Seidman JG, Seidman CE. [Truncations of titin causing dilated cardiomyopathy](#). *N Engl J Med*. 2012 Feb 16;366(7):619-28. doi: 10.1056/NEJMoa1110186. PubMed PMID: 22335739; PubMed Central PMCID: PMC3660031.
- **Herman DS**, Hovingh GK, Iartchouk O, Rehm HL, Kucherlapati R, Seidman JG, Seidman CE. [Filter-based hybridization capture of subgenomes enables resequencing and copy-number detection](#). *Nat Methods*. 2009 Jul;6(7):507-10. doi: 10.1038/nmeth.1343. Epub 2009 Jun 21. PubMed PMID: 19543287; PubMed Central PMCID: PMC2773433.