

• **Name:** Thomas Durant

• **Current Position:**

Assistant Professor; Medical Director, Chemical Pathology, Laboratory Medicine; Medical Director, Laboratory IT Services, Laboratory Medicine; Associate Director, ACGME Chemical Pathology Fellowship, Laboratory Medicine

• **Country:** United States

• **Educational Background:**

Winchester Clinical Microbiology Fellow Yale-New Haven Hospital (2019)
Resident Yale-New Haven Hospital (2018)
MD University of Connecticut, School of Medicine (2015)
BS Quinnipiac University, Physical Therapy (2011)

• **Professional Experience:**

Yale University, School of Medicine: Department of Laboratory Medicine New Haven, CT
- Assistant Professor, Department of Laboratory Medicine 07/01/2019– Present

Yale New Haven Health New Haven, CT
- Medical Director of Laboratory Information Technology 01/01/2021 – Present

Yale New Haven Hospital New Haven, CT
- Medical Director of Chemical Pathology 07/01/2019 – Present
- Associate Director for ACGME Chemical Pathology Fellowship 07/01/2019 – Present

• Main Scientific Publications:

Bibliography:

Peer-Reviewed Original Research

¥ Denotes Corresponding Author

* Denotes Co-First Author, Co-Corresponding Author, or Equal Contribution

1. Mori, M., **Durant, T.**, Huang, C., Mortazavi, B. J., Coppi, A., Jean, R. A., Geirsson, A., Schulz, W. L., & Krumholz, H. M. (2021). Toward Dynamic Risk Prediction of Outcomes After Coronary Artery Bypass Graft: Improving Risk Prediction With Intraoperative Events Using Gradient Boosting. *Circulation. Cardiovascular quality and outcomes*, CIRCOUTCOMES120007363. Advance online publication. <https://doi.org/10.1161/CIRCOUTCOMES.120.007363>
2. Koch, C. D., Vera, M. A., Messina, J., Price, N., **Durant, T.**, & El-Khoury, J. M. (2021). Preventing Pseudohyponatremia: Intralipid®-Based Lipemia Cutoffs for Sodium are Inappropriate. *Clinica chimica acta; international journal of clinical chemistry*, S0009-8981(21)00188-1. Advance online publication. <https://doi.org/10.1016/j.cca.2021.05.032>
3. El-Khoury, J. M., Schulz, W. L., & **Durant, T.*** (2021). Longitudinal Assessment of SARS-CoV-2 Anti-Nucleocapsid and anti-Spike-1-RBD Antibody Testing Following PCR-Detected SARS-CoV-2 Infection. *The journal of applied laboratory medicine*, jfab030. Advance online publication. <https://doi.org/10.1093/jalm/jfab030>
4. McPadden, J., Warner, F., Young, H. P., Hurley, N. C., Pulk, R. A., Singh, A., **Durant, T.**, Gong, G., Desai, N., Haimovich, A., Taylor, R. A., Gunel, M., Dela Cruz, C. S., Farhadian, S. F., Siner, J., Villanueva, M., Churchwell, K., Hsiao, A., Torre, C. J., Jr, Velazquez, E. J., ... Schulz, W. L. (2021). Clinical characteristics and outcomes for 7,995 patients with SARS-CoV-2 infection. *PloS one*, 16(3), e0243291.
5. **Durant, T.**, Jean, R. A., Huang, C., Coppi, A., Schulz, W. L., Geirsson, A., & Krumholz, H. M. (2020). Evaluation of a Risk Stratification Model Using Preoperative and Intraoperative Data for Major Morbidity or Mortality After Cardiac Surgical Treatment. *JAMA network open*, 3(12), e2028361.
6. **Durant, T. J.**, Peaper, D. R., Ferguson, D., & Schulz, W. L. (2020). Impact of COVID-19 Pandemic on Laboratory Utilization. *The journal of applied laboratory medicine*, 5(6), 1194-1205.
7. **Durant, T. J.**, Kubilay, N. Z., Reynolds, J., Tarabar, A. F., Dembry, L. M., & Peaper, D. R. (2020). Antimicrobial Stewardship Optimization in the Emergency Department: The Effect of Multiplex Respiratory Pathogen Testing and Targeted Educational Intervention. *The Journal of Applied Laboratory Medicine*, 5(6), 1172-1183.
8. Schulz, W. L., Rinder, H. M., **Durant, T.**, Tormey, C. A., Torres, R., Smith, B. R., Hager, K. M., Howe, J. G., & Siddon, A. J. (2020). Impact of intra-tumoral heterogeneity detected by next-generation sequencing on acute myeloid leukemia survival. *Leukemia & lymphoma*, 1–3. Advance online publication. <https://doi.org/10.1080/10428194.2020.1797016>
9. Schulz WL, **Durant TJS**, Torre CJ Jr, Hsiao AL, Krumholz HM. Agile Health Care Analytics: Enabling Real-Time Disease Surveillance With a Computational Health Platform. *J Med Internet Res*. 2020 May 28;22(5):e18707. doi: 10.2196/18707. PubMed PMID: 32442130.
10. **Durant TJS**, Gong G, Price N, Schulz WL. Bridging the Collaboration Gap: Real-time Identification of Clinical Specimens for Biomedical Research. *J Pathol Inform*. 2020;11:14. doi: 10.4103/jpi.jpi_15_20. eCollection 2020. PubMed PMID: 32477620; PubMed Central PMCID: PMC7245342.
11. **Durant, T. J.**, Merwede, J., Reynolds, J., & Peaper, D. R. (2019). Optimization of Turnaround Time for Group A Streptococcus PCR. *Journal of Clinical Microbiology*, 57(9), e00619-19.
12. McPadden, J.*, **Durant, T. J.***, Bunch, D. R., Coppi, A., Price, N., Rodgerson, K., Torre, C. J., Jr, Byron, W., Hsiao, A. L., Krumholz, H. M., & Schulz, W. L. (2019). Health Care and Precision Medicine Research: Analysis of a Scalable Data Science Platform. *Journal of medical Internet research*, 21(4), e13043. <https://doi.org/10.2196/13043>
13. **Durant, T. J.***, Olson, E. M.*, Schulz, W. L., & Torres, R. (2017). Very deep convolutional neural networks for morphologic classification of erythrocytes. *Clinical chemistry*, 63(12), 1847-1855.
14. **Durant, T. J.**, Dwyer, C. R., McCarthy, M. B. R., Cote, M. P., Bradley, J. P., & Mazzocca, A. D. (2017). Protective nature of platelet-rich plasma against chondrocyte death when combined with corticosteroids or local anesthetics. *The American journal of sports medicine*, 45(1), 218-225.
15. Tomassoni, A. J., Hawk, K. F., Jubanyik, K., Nogee, D. P., **Durant, T.**, Lynch, K. L., ... & D'Onofrio, G. (2017). Multiple fentanyl overdoses—New Haven, Connecticut, June 23, 2016. *MMWR. Morbidity and mortality weekly report*, 66(4), 107.
16. Schulz, W. L., **Durant, T. J.**, Siddon, A. J., & Torres, R. (2016). Use of application containers and workflows for genomic data analysis. *Journal of pathology informatics*, 7.

Laboratory Medicine; Stepping Forward to the New Era

LMCE2021 Laboratory
Medicine
Congress &
Exhibition **& KSLM** 62nd ANNUAL
MEETING

September 30 - October 2, 2021 Online Congress www.lmce-kslm.org

LMCE 2021 Secretariat: KIMEX

#302 Chunggwang Building, 550, Eonju-ro, Gangnam-gu, Seoul, Korea (06144) **Tel:** +82-2-6952-0652 **Fax:** +82-2-515-3108 **Email:** info@lmce-kslm.org