

Curriculum Vitae

Deke Blum

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Education

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| 2019 – Present | University of Tennessee Health Science Center – Memphis, TN
Neurosurgery Residency, expected completion July 2026 |
| 2015 – 2019 | Vanderbilt University School of Medicine – Nashville, TN
Doctor of Medicine
USMLE Step 1-3 passed |
| 2011 – 2014 | University of West Florida – Pensacola, FL
Bachelor of Science in Chemistry/Biochemistry, <i>summa cum laude</i> |
| 2009 – 2011 | Pensacola State College – Pensacola, FL
Associate of Arts in General Studies, <i>summa cum laude</i> |

Honors and Awards

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| 2015 – 2019 | John E. Chapman M.D. Scholarship Recipient |
| 2014 | University of West Florida College of Arts and Sciences Outstanding Undergraduate Award |
| 2013 | University of West Florida Grace Po-Yuen Chiu Award in Analytical Chemistry |
| 2013 | The American Chemical Society Division of Analytical Chemistry 2013 Undergraduate Award in Analytical Chemistry |
| 2012 | University of West Florida Jerome E. Gurst Organic Chemistry Award |
| 2011 – 2014 | University of West Florida Dean's List |
| 2010 | Phi Theta Kappa Honor Society Inductee |

Service and Volunteer Activities

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| 2018 – 2019 | Volunteer Mentor, E-mentoring program, Big Brothers Big Sisters of Middle Tennessee, Nashville, TN |
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- 2018 – 2019 Neurosurgery Interest Group Leader, Vanderbilt University School of Medicine, Nashville, TN
- 2017 – 2019 Clinical Volunteer, Shade Tree Clinic, Vanderbilt University School of Medicine, Nashville, TN
- 2017 – 2019 Quality Improvement Project: Reducing Incorrectly Placed Radiology Orders in Orthopaedic Clinics, Vanderbilt University School of Medicine, Nashville, TN
- Mentors: Gregory Polkowski, M.D., Tamala Bradham, D.H.A., Ph.D., CCC-A
- 2015 – 2019 Volunteer, Best Buddies Tennessee, Nashville, TN
- 2013 – 2014 Member of Academic Misconduct Committee, University of West Florida, Pensacola, FL
- 2013 – 2014 Treasurer, Chemistry Club, University of West Florida, Pensacola, FL
- 2012 – 2014 Volunteer, Pediatric Emergency Department, Children’s Hospital at Sacred Heart, Pensacola, FL

Publications

1. Hysong AA, Posey SL, **Blum DM**, Benvenuti MA, Benvenuti TA, Johnson SR, An TJ, Devin JK, Obremskey WT, Martus JE, Moore-Lotridge SN, Schoenecker JG. Necrotizing Fasciitis: Pillaging the Acute Phase Response. *J Bone Joint Surg Am.* 2020 Mar 18;102(6):526-537. doi: 10.2106/JBJS.19.00591. PMID: 31977818
2. Yuasa M, Saito M, **Blum DM**, Hysong AA, Egawa S, Uppuganti S, Yoshii T, Okawa A, Schwartz HS, Moore-Lotridge SN, Nyman JS, Schoenecker JG. The Size of Intramedullary Fixation Affects Endochondral Mediated Angiogenesis During Fracture Repair. *J Orthop Trauma.* 2019 Jun 4. doi: 10.1097/BOT.0000000000001555.
3. Baker CE, Moore-Lotridge SN, Hysong AA, Posey SL, Robinette JP, **Blum DM**, Benvenuti MA, Cole HA, Egawa S, Okawa A, Saito M, McCarthy JR, Nyman JS, Yuasa M, Schoenecker JG. Bone Fracture Acute Phase Response-A Unifying Theory of Fracture Repair: Clinical and Scientific Implications. *Clin Rev Bone Miner Metab.* 2018;16(4):142-158. doi: 10.1007/s12018-018-9256-x.
4. Royappa AT, Royappa AD, Moral RF, Rheingold AL, Papoular RJ, **Blum DM**, Duong TQ, Stepherson JR, Vu OD, Chen B, Suchomel MR, Golen JA, Andre G, Kourkoumelis N, Mercer AD, Pekarek AM, Kelly DC. Copper(I) oxalate complexes: Synthesis, structures and surprises. *Polyhedron.* 2016;119:563-574

Presentations

1. Mangham WM, Motiwala M, Parikh KA, Lesha E, **Blum DM**, Schwartz B, Madison LM, Klimo P, Khan NR. A National Survey of On-Call Responsibilities in U.S.

- Neurological Surgery Residency Programs. Presented at the American Association of Neurological Surgeons, Los Angeles, CA, April 2023. (oral presentation by WMM)
2. Parikh KA, Motiwala M, Schwartz B, **Blum DM**, Sorenson JM, Michael LM, Khan NR. Utilization of a Novel Web Based Performance Feedback Application (Case Curve) in Neurosurgical Trainee Cadaveric Simulation of the Retrosigmoid Approach. Presented at the Southern Neurosurgical Society Meeting, Marco Island, FL, February 2023. (oral presentation by KAP)
 3. Brimley C, Himel S, **Blum DM**, Motiwala M, Troy C, Dave P, Orr T, Shimony N, Klimo P. Neoadjuvant Therapy for Pineal Region Tumors Aids Safe Surgical Resection. Presented at the Joint CNS/AANS Pediatric Section, Washington D.C., December 2022 (oral presentation by CB)
 4. Hysong AA, Masato Y, Saito M, **Blum DM**, Yoshii T, Okawa A, Schwartz HS, Nyman JS, Schoenecker JG. Influencing Angiogenesis in a Healing Fracture by Altering Fixation Rigidity. Presented at Vanderbilt University's 36th Annual Research Forum, Nashville, TN, April 2018. (Oral presentation by AAH)
 - a. Received *Elliot V. Newman Award* for best oral presentation
 5. **Blum DM**, Hysong AA, Posey SL, Benvenuti M, Marvi TK, Obremskey W, Schoenecker JG. Coagulopathy and Adrenal Insufficiency in Necrotizing Fasciitis: Signs of Impending Decompensation. Presented at Vanderbilt University's 36th Annual Research Forum, Nashville, TN, April 2018. (Poster presentation by **DMB**)
 6. Hysong AA, **Blum DM**, Posey SL, Benvenuti M, Marvi TK, Obremskey W, Schoenecker JG. Necrotizing Fasciitis: The Dangers of Coagulopathy and Corticosteroid Insufficiency. Presented at the Orthopaedic Research Society Annual Meeting, New Orleans, LA, March 2018 (Poster presentation by AAH)
 7. **Blum DM**, Tien DQ, Golanka A, Mercer AD, Royappa AD, Stepherson JR, Vu OD, Royappa AT. Synthesis of Novel Copper(I) Oxalate Complexes. Presented at the Student Scholars Symposium, University of West Florida, April 2014 (Poster presentation by **DMB**)

Quality Improvement Projects

1. Intrathecal tPA Order Plan at Regional One Hospital – Worked with pharmacists at Regional One to create an order plan in the EMR for ordering intrathecal tPA.
2. External Ventricular Drain (EVD) Nursing Education Materials at Regional One Hospital – Worked to the Nursing Education Manager at Regional One Hospital to create educational and instructional materials regarding the setup and management of external ventricular drains for ICU nurses.