

Kristina A. Davis, M.D.

Assistant Professor, Department of Pathology and Laboratory Medicine
Oakland University William Beaumont School of Medicine

System Medical Director, Blood Bank & Transfusion Medicine
Corewell Health System East

Phone: 248-898-3642 Royal Oak

ADDRESS

Corewell Health Willam Beaumont University Hospital (East)
Research Institute, 3rd Floor
3811 West Thirteen Mile Road
Royal Oak, MI 48073

EDUCATION AND TRAINING

- 7/2012 – 6/2019 Fellow, Histocompatibility
Michigan Medicine University Hospital, Ann Arbor, MI
- 7/2016 – 6/2019 Fellow, Transfusion Medicine
Mayo Clinic Hospital, Rochester, MN
- 7/2012 – 6/2016 Residency, Anatomic and Clinical Pathology
Michigan Medicine University Hospital, Ann Arbor, MI
- 8/2005 – 5/2012 Doctor of Medicine, M.D.
West Virginia University School of Medicine, Morgantown, WV
- 8/2007 – 5/2012 Graduate Studies, Public Health
West Virginia University School of Medicine, Morgantown, WV
- 8/2002 – 8/2009 Bachelor of Science, B.S., Biology, *magna cum laude*, Minor, Microbiology
West Virginia University School of Medicine, Morgantown, WV

PROFESSIONAL MEMBERSHIPS

- Transfusion Medicine, Apheresis, and Cellular Therapy Committee (CAP)
- Elected member of Transplant Diagnostics COP Executive Committee (AST)
- Michigan Association of Blood Banks (MABB)
- American Society for Histocompatibility and Immunogenetics (ASHI)
- American Society of Transplantation (AST)
- American Society for Apheresis (ASFA)
- American Society for Clinical Pathology (ASCP)
- College of American Pathologists (CAP)
- Association for the Advancement of Blood & Biotherapies (AABB)

PROFESSIONAL, ACADEMIC, ADMINISTRATIVE, AND CLINICAL POSITIONS

Academic Positions

2023 – present Assistant Professor, Department of Pathology and Laboratory Medicine
Oakland University William Beaumont School of Medicine, Rochester, MI

Visiting Professorships, Seminars, and Extramural Invited Presentations

2021 – 2022 Department of Pathology
Yale University School of Medicine, New Haven, CT

2019 – 2020 Pathology Department
University of Utah School of Medicine, Salt Lake City, UT

2014 – 2021 Department of Pathology
University of Michigan Medical School, Ann Arbor, MI

2003 – 2013 Department of Biology
West Virginia University, Morgantown, WV

Clinical Positions

2023 – present System Medical Director, Blood Bank & Transfusion Medicine
Corewell Health William Beaumont University Hospital, Royal Oak, MI

2014 – 2021 Inspection Team Member Training, College of American Pathology (CAP)
Corewell Health William Beaumont University Hospital, Royal Oak, MI

PUBLICATIONS

Peer-Reviewed Journals

Davis KA and Smith LB. Ethical considerations about EHR-mediated results disclosure and pathology information presented via patient portals. *AMA Journal of Ethics*. 2016;18(8):826-32 [Policy Forum submission]

Tomlins S, Fontugne J, **Davis K**, Palanisamy N, Udager A, Mehra R, McDaniel A, Siddiqui J, Rubin M, and Mosquera JM. Clonal evaluation of prostate cancer foci in biopsies with discontinuous tumor involvement by dual ERG/SPINK1 immunohistochemistry. *Modern Pathology*. 2016;29(2):157-65.

Schulert GS, Zhang M, Fall N, Husami A, Kissell D, Hanosh A, Zhang K, **Davis K**, Jentzen JM, Napolitano L, Siddiqui J, Smith LB, Harms PW, Grom AA, and Cron RQ. Whole exome sequencing reveals mutations in hemophagocytic lymphohistiocytosis and macrophage activation syndrome linked genes in fatal cases of H1N1 influenza. *Journal of Infectious Diseases*. 2016;213(7):1180-8.

Lindsley WG, Pearce TA, Hudnall JB, **Davis KA**, Davis SM, Fisher MA, Khakoo R, Palmer JE, Clark KE, Celik I, Coffey CC, Blanchere FM, Beezhold DH. Quantity and size distribution of cough-generated aerosol particles produced by influenza patients during and after illness. *Journal of Occupational & Environmental Hygiene*. 2012;9(7):443-9.

Lindsley WG, Blanchere FM, Thewlis RE, Vishnu A, **Davis KA**, Cao G, Palmer JE, Clark KE, Fisher MA, Khakoo R, Beezhold DH. Measurements of airborne influenza virus in aerosol particles from human coughs. *PLoS One*. 2010;5(11):e15100

Lindsley W, Blachere FM, **Davis KA**, Pearce TA, Fisher MA, Khakoo R, Davis SM, Rogers ME, Thewlis RE, Posada JA, Redrow JB, Celilk IB, Chen BT, Beezhold DH. Distribution of airborne influenza virus and respiratory syncytial virus in an urgent care medical clinic. *Clinical Infectious Diseases*. 2010;50(5):693-8.

Non-Peer Reviewed Journal

Davis K. It's a small world ... looking from a different perspective. *Clinical Chemistry*. 2012;58:12. ["Unveiling the Right Side" photo art submission]

BOOK CHAPTER

Winters JL, Garovic VS, Alrahmani L, Davis KA. Management of thrombotic microangiopathies in pregnancy. In: Nester T, ed. *Transfusion Management of the Obstetric Patient*. Cham, Switzerland: Springer; 2018:131-153

ABSTRACTS

Fontugne J, Davis K, Rubin MA, Mosquera JM, Tomlins SA. Clonal evaluation of prostate cancer biopsies by dual ERG/SPINK1 immunohistochemistry. *Modern Pathology*. 2014;27:229A [Abstract presented by first author]

POSTERS AND PRESENTATIONS

Poster presentation at Roland "Red" Hiss Event and MESP Research Symposium [06/2021]
Comprehensive resident education in transfusion Medicine requires intentional didactics in addition to routine clinical interactions.

Poster presentation at 44th ASHI annual meeting [10/2018] **Davis KA**, Moussa O. Antibodies to inter-locus shared DR11 and DP epitope: characterization and analysis concerns. *Human Immunology*. 2018; 79:160 [P134]

Poster presentation at 32nd European Immunogenetics and Histocompatibility Conference [5/2018] **Davis KA** et al. EDTA treatment with normal goat serum (GS) blocking removes DR4/DR16 but not DP1/DP5 false positive patterns on single antigen bead (SAB) HLA Class II antibody testing. *HLA*. 2018;91(5):360-361 [P15]

Poster presentation at Van Liere Convocation for health science research at West Virginia University [2009] **Davis K**. The prevalence of overweight, diabetes, and undiagnosed hyperglycemia in young adults.

Poster presentation at the Second Annual Undergraduate Research Day at the West Virginia state capitol [2005] Lebedeva **Davis K**, Vona-Davis L and McFadden D. Endotoxin (LPS) or Inflammation (TNF-a) Induce SOCS-3 mRNA Expression in Cardiac Myoblasts.

Oral presentation in the plenary abstract session at the American Society for Apheresis 2016 annual meeting [5/2016] **Davis KA**, Zhao L, Hoffmann S, Davenport R, and Cooling L. Impact of platelet count on CD34 mobilization and response to plerixafor in lymphoma patients undergoing autologous peripheral blood stem cell collection. *Journal of Clinical Apheresis*. 2016;31(2):80-81

Oral presentation during the AST annual Transplant Diagnostics Community of Practice meeting (presentation given as part of travel grant award to attend American Transplant Congress) [6/2018]
Fine-tuning virtual crossmatch: sequence alignment and haplotype analysis.

Oral presentation at the 7th annual Anatomic Molecular and Hematopathology Research Day (University of Michigan Pathology Department) [2/2016] **Davis KA**, Zhao L, Hoffmann S, Davenport R, and Cooling L. Impact of platelet count on CD34 mobilization and response to plerixafor in lymphoma patients undergoing autologous peripheral blood stem cell collection.

Oral presentation at the 6th IASTED International Conference on Computational Intelligence and Bioinformatics [2011] Senyukova O and Gavrishchaka V. Ensemble decomposition learning for optimal utilization of implicitly encoded knowledge in Biomedical applications.