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| **Kathryn E. Dickerson, MD, MSCS**  Assistant Professor  Division of Hematology & Oncology  Department of Pediatrics  UT Southwestern  5323 Harry Hines Blvd  Dallas, TX 75390 |  |
| **Clinic Address:**  1935 Medical District Dr  Dallas, TX, 75235 | **Personal Address:**  2728 Hood St., Apt 523  Dallas, TX 75219 |
| **Work Phone:** (214) 648-9964 | **Personal Phone:** (574) 315-4188 |
| **Work E-Mail:** Kathryn.Dickerson@UTSouthwestern.edu | **Place of Birth: Houston, TX, USA** |
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**Education**

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| Year | Degree | Field of Study | Institution |
| 2006 | BS,  Cum Laude | Major: Biochemistry  Minor: Spanish and Biology  Certificate in Business (LAMP)  Herman B. Wells Scholar  Honors Thesis in Biochemistry for Departmental and University Honors | Indiana University-  Dr. Martin Stone Laboratory |
| 2011 | MD | Medical Doctorate  Janice M. Pascuzzi Scholarship | Indiana University School of Medicine |
| 2018 | MS | Masters of Science in Clinical Sciences | University of Texas Southwestern |

**Postdoctoral Training**

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| --- | --- | --- | --- |
| Year(s) | Titles | Specialty/Discipline | Institution |
| 2011-2014 | Resident | Pediatrics/Integrated Research Pathway  Certificate in Global Health  Certificate in Academic Medicine | Nationwide Children’s Hospital/The Ohio State University- Dr. Michael Caligiuri Laboratory |
| 2014-2017  2016-2017 | Fellow  Chief Fellow | Pediatric Hematology/Oncology | Children’s Medical Center/UT Southwestern |
| 2015- 2018 | KL2 Scholar | Center for Translational Medicine | Children’s Research Institute/Dr. Jian Xu Lab |
| 2018- 2020 | K12 Scholar | Department of Pediatrics | Children’s Research Institute/Dr. Jian Xu Lab |

**Current Licensure and Certification**

Licensure Board and Other Certification

Full medical License in state of Texas General Pediatric Board Certified October 2015

Pediatric Hematology/Oncology 2018

**Honors and Awards**

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| Year | Name of Honor/Award | Awarding Organization |
| 2005 | Member | Phi Beta Kappa |
| 2006 | Post-Baccalaureate Intramural Research Training Award | National Institutes of Health/National Institute of Diabetes, Digestive, and Kidney disorders- Dr. Lee Weinstein Laboratory |
| 2010 | Member | Gold Humanism Honorary Society |
| 2010 | Red Shoes Award | Riley Hospital for Children |
| 2011 | E. Jane Brownley Award | Department of Pediatrics, Indiana University School of Medicine |
| 2011 | Community Service Award  Founder of IUSM Symphony Orchestra and IUSM Creative Art Therapy | Indiana University School of Medicine |
| 2014 | Certificate in Global Health | Nationwide Children’s Hospital |
| 2014 | Certificate in Academic Medicine | Nationwide Children’s Hospital |
| 2017 | Children’s Cancer Fund “Call for Cure” Recipient | Children’s Medical Center |
| 2018 | Hyundai Hope on Wheels Young Investigator Award | Children’s Medical Center |
| 2018 | NIH Pediatric Loan Repayment Award | National Institutes of Health/National Cancer Institute |
| 2020 | Hyundai Hope on Wheels Scholar Hope Award | Children’s Medical Center |
| 2021 | Dr George Buchanan Teaching Award for Excellence in Fellow Education | UT Southwestern |
| 2020, 2021, 2022 | Super Doctors- Rising Star | Texas Monthly |
| 2023 | Dr George Buchanan Teaching Award for Excellence in Fellow Education | UT Southwestern |

**Faculty Academic Appointments**

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| --- | --- | --- | --- |
| Year(s) | Academic Title | Department | Academic Institution |
| 2017-2018 | Assistant Instructor | Pediatrics | UT Southwestern |
| 2018-2019 | Instructor | Pediatrics | UT Southwestern |
| 2019-Present | Assistant Professor | Pediatrics | UT Southwestern |

**Appointments at Hospitals/Affiliated Institutions**

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| Current | | | |
| Year(s) | Position Title | Department/Division | Institution |
| 2017-Present | Assistant Professor | Pediatrics/Hematology-Oncology | Children’s Health-Dallas |
| 2017-Present | Assistant Professor | Pediatrics/Hematology-Oncology | Children’s Health-Plano |
| 2017-Present | Assistant Professor | Pediatrics/Hematology-Oncology | UT Southwestern/ Clements University Hospital |
| 2017-Present | Assistant Professor | Pediatrics/Hematology-Oncology | Parkland Hospital |

**Major Administrative/Leadership Positions**

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| Year(s) | Position Title | Institution |
| 2019-Present | Director of Bone Marrow Failure/Leukemia Predispostion Program | Children’s Health/UTSW |
| 2019-Present | Site PI; Severe Congenital Neutropenia International Registry | Severe Congenital Neutropenia International Registry (SCNIR)  Children’s Health/UTSW |
| 2018-2021  (closed to accrual) | Site PI; Phase II, Unrelated Donor Transplant Versus Immune Therapy in Pediatric Severe Aplastic  Anemia (TransIT) | North American Pediatric Aplastic Anemia Consortium (NAPAAC)/  Pediatric Bone Marrow Transplant Consortium (PCTC)  Children’s Health/UTSW |
| 2019-2022 (closed to accrual) | Site PI; A phase II, open-label, non-controlled, intra-patient doseescalation  study to characterize the pharmacokinetics after oral administration of eltrombopag in pediatric patients with refractory, relapsed or treatment naïve severe aplastic  anemia or recurrent aplastic anemia | Novartis  Children’s Health/UTSW |
| 2020-2022  (closed to accrual) | Site PI; A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multicenter Study of Mavorixafor in Patients with WHIM Syndrome with Open-Label Extension | x4P Pharmaceuticals  Children’s Health/UTSW |
| 2021-Present  (now in expansion) | Site PI; A Phase 1b, Open-Label, Multicenter Study of Mavorixafor in Patients with Severe Congenital Neutropenia and Chronic Neutropenia Disorders | x4P Pharmaceuticals  Children’s Health/UTSW |
| 2022-Present | SitePI: AG348-C-022: A Phase 3, Multicenter, Randomized, Double-blind, Placebo-Controlled Study to Evaluatethe Efficacy and Safety of Mitapivat in Pediatric Subjects With Pyruvate Kinase Deficiency Who Are Regularly Transfused, Followed by a 5-Year Open-label | Agios  Children’s Health/UTSW |
| 2022-Present | SitePI: AG348-C-023: A Phase 3, Multicenter, Randomized, Double-blind, Placebo-Controlled Study to Evaluatethe Efficacy and Safety of Mitapivat in Pediatric Subjects With Pyruvate Kinase Deficiency Who Are Not Regularly Transfused, Followed by a 5-Year Open-label | Agios  Children’s Health/UTSW |
| 2023-Present | Site Co-PI; TransIT: A Phase III Randomized Trial Comparing Unrelated Donor Bone Marrow Transplantation with Immune Suppressive Therapy for Newly Diagnosed Pediatric and Young Adult Patients with Severe Aplastic Anemia | NIH/North American Pediatric Aplastic Anemia Consortium (NAPAAC)/  Pediatric Bone Marrow Transplant Consortium (PCTC)  Children’s Health/UTSW |

**Committee Service (***Member, unless noted otherwise)*

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| Year(s) | Name of Committee | Institution/Organization |
| UTSW | | |
| 2015-Present | Bone Marrow Failure Working Group Co-Chair | UTSW |
| 2018-Present | Pediatric Hematology/Oncology Bio-Repository  Hematology Representative | UTSW |
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| Hospital | | |
| 2015-Present | Bone Marrow Failure Working Group Co-Chair | Children’s Health |
| 2017-2018 | Pediatric Residency Applicant Selection Committee Interviewer | Children’s Health |
| 2018-Present | Fellowship Education in Hematology | Children’s Health |
| 2017-2021 | Pediatric Heme/Onc Fellowship Applicant Selection Committee Interviewer | Children’s Health |
| 2020-2023 | Pediatric Resdidency Advisor for Resident Class of 2023 | Children’s Health |
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| State/Regional | | |
| 2019-Present | Regional Expert in Transfusion-dependent Thalassemia- Cooley’s Anemia Designation | Children’s Health/UTSW |
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| National/International | | |
| 2016-Present | NAPAAC Steering Committee Member | North American Pediatric Aplastic Anemia Consortium (NAPAAC) |
| 2020- Present | NAPAAC-MDS Working Group Junior Co-Chair | North American Pediatric Aplastic Anemia Consortium |
| 2020-Present | Cooley’s Anemia Physician Working Group Member | Cooley’s Anemia Foundation |
| 2019-2021 | Served on Advisory board/Steering Committee for BlueBird Bio re: Commercialization of gene therapy product for Beta Thalassemia | BlueBird Bio |
| 2022-Present | Serve on Clinical Advisory Committee for Agios re: Pediatric trials for Mitapavit in PK deficiency | Agios |

**Professional Societies**

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| Dates | Society Name, member |
| 2011-Present | American Academy of Pediatrics |
| 2012-2020 | American Association for Cancer Research |  |
| 2014-Present | Children’s Oncology Group |
| 2014-Present | The American Society of Hematology |
| 2014-Present | American Society of Clinical Oncology/American Society of Pediatric Hematology Oncology |

**Grant Support**

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| Present |  |
|  | *Grantor: Wipe Out Kids Cancer* |
| January 2022 | *Title of Project: Defining clonal hematopoiesis and cytokine signatures in childhood cancer survivors: Looking toward inflammatory mechanisms in late effects* |
|  | *Role (Principal Investigator, Co-Investigator): Principal Investigator* |
|  | *Annual amount and date (direct costs only): $100,000* |
|  | *Total amount of award (if multi-year) and dates (direct costs only): $100,000* |

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| Past |  |
|  | *Grantor: Hyundai Hope on Wheels* |
| January 2020 - December 2022 | *Title of Project: Defining Clonal Hematopoiesis in Childhood Cancer Survivors: A Novel Approach to Predicting Treatment-Associated Myeloid Neoplasms* |
|  | *Role (Principal Investigator, Co-Investigator): Principal Investigator* |
|  | *Annual amount and date (direct costs only): $100,000* |
|  | *Total amount of award (if multi-year) and dates (direct costs only): $300,000* |
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|  | *Grantor: Department of Pediatrics K12* |
| February 2018 - November 2020 | *Title of Project: Definining the Epigenetic Vulnerabilities of EZH2-Deficiency-Induced Chemoresistant AML* |
|  | *Role (Principal Investigator, Co-Investigator): Principal Investigator* |
|  | *Annual amount and date (direct costs only): $108,098* |
|  | *Total amount of award (if multi-year) and dates (direct costs only): $324,294* |
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|  | *Grantor: Hyundai Hope on Wheels* |
| January 2018-December 2019 | *Title of Project: Elucidating the Epistatic Interplay of EZH1/2 in Acute Myelogenous Leukemia* |
|  | *Role (Principal Investigator, Co-Investigator): Principal Investigator* |
|  | *Annual amount and date (direct costs only): $75,000* |
|  | *Total amount of award (if multi-year) and dates (direct costs only): $150,000* |
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|  | *Grantor: Leukemia Texas Foundation Research Award* |
| May 2018-April 2019 | *Title of Project: Comprehensive Analysis of Structural Variants in AML by Combining Next-Generation Sequencing, optical genome mapping, and sequencing.* |
|  | *Role (Principal Investigator, Co-Investigator): Co- Investigator* |
|  | *Annual amount and date (direct costs only): $100,000* |
|  | *Total amount of award (if multi-year) and dates (direct costs only): $100,000* |
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|  | *Grantor: NIH CTSA* |
| July 2015-June 2017 | *Title of Project: Central for Translational Medicine* |
|  | *Role (Principal Investigator, Co-Investigator): KL2 Scholar* |
|  | *Annual amount and date (direct costs only): Post Graduate Salary at 75%* |
|  | *Total amount of award (if multi-year) and dates (direct costs only): 75% of PGY 5 & PGY6 salary* |

**Teaching Activities**

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| Year(s) | Activity |
| Medical school didactic and small group teaching | |
| July 2015 – July 2019 | Monthly didactic on “How to interpret a CBC and Intro to Bone Marrow Failure” |
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| Medical student rotations | |
| July 2017- Present | Attending physician on inpatient hematology inpatient service and in hematology outpatient clinic, as well as featured clinic for Rare Diseases Elective |
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| Postgraduate medical education (graduate & continuing medical education) | |
| July 2015-July 2019 | Monthly didactic on “How to interpret a CBC and Intro to Bone Marrow Failure” |
| July 2017- Present | Hematology faculty preceptor for bi-monthly fellowship didactic on hemoglobin electrophoresis case conference. |
| July 2017- Present | Attending physician on inpatient hematology inpatient service and in hematology outpatient clinic, as well as featured clinic for Rare Diseases Elective |
| July 2018- Present | Hematology faculty preceptor for weekly hematology teaching conference including morphology, transfsusion medicine, hemoglobin electrophoresis, and clinical case conference |
| July 2020-July 2022 | Faculty research mentor for Chelsee Greer, DO for fellowship scholarly project: *Defining clonal hematopoiesis and cytokine signatures in childhood cancer survivors: Looking toward inflammatory mechanisms in late effects* |

**Invited Lectures**

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| Year(s) | Title | Location |
| National | | |
| February 2011 | IUSM-Creative Art Therapy: A Model for Medical Student Interest Group.  Society Humanism for Medicine. | Crested Butte, CO |
| April 2015 | Pediatric Vascular Malformations.  Scott Storm Pediatric Heme/Onc Nursing Symposium | Dallas, TX |
| October 2022 | Invited Speaker at Children’s of Colorado/Anschutz Medical Campus: Clonal Hemaatopoiesis in Childhood Cancer Survivors | Denver, CO |

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| Local | | |
| October 2014 | Clear Cell Sarcoma of the Kidney | UTSW/CMC  Dallas, TX |
| Winter 2015 | Departmental Multi-Disciplinary Case Conference- KHE with KMP | UTSW/CMC  Dallas, TX |
| January 2015 | Fellows Didactic: AML (Faculty Delegate: Tamra Slone) | UTSW/CMC  Dallas, TX |
| January 2015 | Tumor Board: Pediatric MDS | UTSW/CMC  Dallas, TX |
| February 2015 | Tumor Board: KHE, IH, and KMP | UTSW/CMC  Dallas, TX |
| March 2015 | Tumor Board: Fusion-Gene Negative ARMS | UTSW/CMC  Dallas, TX |
| May 2015 | Divisional M&M: Splenic Sequestration | UTSW/CMC  Dallas, TX |
| June 2015 | Divisional Journal Club: MDS | UTSW/CMC  Dallas, TX |
| October 2015 | Center for Translational Medicine- Translational Science Forum: Project Presentation | UTSW/CTM  Dallas, TX |
| November 2015 | Divisional Journal Club: Post-HSCT Consolidation Therapy in Relapsed Hodgkins | Dallas, TX |
| March 2016 | Tumor Board: AAvs RCC, CHIP and CCUS, IST vs HSCT: Making Sense of the Alphabet Soup | UTSW/CMC  Dallas, TX |
| April 2016 | Center for Translational Medicine Spring Retreat: Project Presentation | UTSW/CTM  Fort Worth, TX |
| April 2016 | Divisional Journal Club: GWAS in Oncology | UTSW/CMC  Dallas, TX |
| April 2016 | Fellows Didactic: Hemolytic Anemias (Faculty Delegate: George Buchanan) | UTSW/CMC  Dallas, TX |
| April 2016 | Fellows Core Curriculum: PGY5 Research Project | UTSW/CMC  Dallas, TX |
| August 2016 | Fellows Didactic: White Blood Cell Disorders (Faculty Delegate: Zora Rogers) | UTSW/CMC  Dallas, TX |
| September 2016 | Center for Translational Medicine- Translational Science Forum: Project Presentation | UTSW/CTM  Dallas, TX |
| October 2016 | Divisional Journal Club: Gut Microbiome Derived Metabolites Mitigate GVHD | Dallas, TX |
| March 2017 | Center for Translational Medicine Spring Retreat: Project Presentation | UTSW/CTM  Dallas, TX |
| May 2017 | Senior Fellow Research Day:  Selected Oral Presentation of Research Project | UTSW/CMC  Dallas, TX |
| June 2017 | Division of Pediatric Hematology/Oncology Grand Rounds: Fellowship Project Presentation | UTSW/CMC  Dallas, TX |
| August 2017 | Fellows Didactic: White Blood Cell Disorders | UTSW/CMC  Dallas, TX |
| September 2017 | Fellows Didactic: White Blood Cell Disorders | UTSW/CMC  Dallas, TX |
| November 2017 | Department of Pediatric Grand Rounds: Clinical Pathology Case Presentation- GATA2 MDS | UTSW/CMC  Dallas, TX |
| August 2018 | Fellows Didactic: White Blood Cell Disorders | UTSW/CMC  Dallas, TX |
| September 2018 | Department of Pediatric Multi-Disciplinary Case Conference: Rasopathy- JMML v RALD | UTSW/CMC  Dallas, TX |
| November 2018 | Fellows Didactic: Aplastic Anemia and iBMF Syndromes | UTSW/CMC  Dallas, TX |
| August 2019 | Fellows Didactic: White Blood Cell Disorders | UTSW/CMC  Dallas, TX |
| October 2019 | Fellows Didactic: Aplastic Anemia and iBMF Syndromes | UTSW/CMC  Dallas, TX |
| January 2020 | Fellows Didactic: Sructural Disorders of Hemoglobin/Thalassemia and Chelation Therapy | UTSW/CMC  Dallas, TX |
| September 2020 | Department of Pediatric Multi-Disciplinary Case Conference: Methemoglobinemia | UTSW/CMC  Dallas, TX |
| September 2020 | Fellows Didactic: Aplastic Anemia and iBMF Syndromes | UTSW/CMC  Dallas, TX |
| November 2020 | Fellows Didactic: White Blood Cell Disorders | UTSW/CMC  Dallas, TX |
| January 2021 | Fellows Didactic: Sructural Disorders of Hemoglobin/Thalassemia and Chelation Therapy | UTSW/CMC  Dallas, TX |
| March 2021 | Department of Pediatric Research Conference | UTSW/CMC  Dallas, TX |
| August 2021 | Fellows Didactic: Aplastic Anemia and iBMF Syndromes | UTSW/CMC  Dallas, TX |
| November 2021 | Fellows Didactic: White Blood Cell Disorders | UTSW/CMC  Dallas, TX |
| February 2022 | Fellows Didactic: Sructural Disorders of Hemoglobin/Thalassemia and Chelation Therapy | UTSW/CMC  Dallas, TX |
| August 2022 | Fellows Didactic: Aplastic Anemia and iBMF Syndromes | UTSW/CMC  Dallas, TX |
| October 2022 | Fellows Didactic: White Blood Cell Disorders | UTSW/CMC  Dallas, TX |
| November 2022 | Department of Pediatric Multi-Disciplinary Case Conference: Inflammatory Presentation of SDS | UTSW/CMC  Dallas, TX |
| April 2023 | Fellows Didactic: Sructural Disorders of Hemoglobin/Thalassemia and Chelation Therapy | UTSW/CMC  Dallas, TX |

**Bibliography**

**Peer-Reviewed Publications**

|  |  |
| --- | --- |
|  | Driskill JH, Cantu W, Garcia J, Dickerson KE, Chen W. “Pancytopenia and haematopoietic precursor vacuolization in an infant: Clues to Pearson syndrome: British Jour Haem. 30 July 2023 Epub ahead of print doi: 10.1111/bjh.18987 |
|  | Botten G, Zhang Y, Dudnyk K, Kim YJ, Liu X, Sanders JT, Imanci A, Droin NM, Cao H, Kaphle P, **Dickerson KE**, Kumar KR, Chen M, Chen W, Solary E, Ly P, Zhou J, Xu J. “Structural Variation Cooperates with Permissive Chromatin to Control Enhancer Hijacking-Mediated Oncogenic Transcription.” Blood. 2023 Mar 22:blood. Epub ahead of print. doi: 10.1182/blood.2022017555. |
|  | Lyu J, Liu Y, Gong L, Chen M, Madanat YF, Zhang Y, Cai F, Gu Z, Cao H, Kaphle P, Kim YJ, Kalkan FN, Stephens H, **Dickerson KE**, Ni M, Chen W, Patel P, Mims AS, Borate U, Burd A, Cai SF, Yin CC, You MJ, Chung SS, Collins RH, DeBerardinis RJ, Liu X, Xu J. “Disabling Uncompetitive Inhibition of Oncogenic IDH Mutations Drives Acquired Resistance” Cancer Discov. 2023 Jan 9;13(1):170-193. |
|  | Lee N, Demir Y, Ashraf B, Ibrahim I, Bat T, **Dickerson KE**, “Immature platelet fraction as a biomarker for disease severity in pediatric respiratory COVID-19.” J Peds. 2022 Aug; ePub |
|  | Liu Y, Gu Z, Cao H, Kaphle P, Lyu J, Zhang Y, Hu W, Chung SS, **Dickerson KE**, Xu J. “Convergence of oncogenic cooperation at single-cell and single-gene levels drives leukemic transformation.” Nat Comm. 2021 Nov 3; 12(1):6323. |
|  | Heeney MM, Berhe S, Campagna DR, Oved JH, Kurre P, Shaw PJ, Teo J, Shanap MA, Hassab HM, Glader BE, Shah S, Yoshimi A, Ameri A, Antin JH, Boudreaux J, Briones M, **Dickerson KE**, Fernandez CV, Farah R, Hasle H, Keel SB, Olson TS, Powers JM, Rose MJ, Shimamura A, Bottomley SS, Fleming MD. “SLC25A38 congenital sideroblastic anemia: Phenotypes and genotypes of 31 individuals from 24 families, including 11 novel mutations, and a review of the literature.” Human Mutat. 2021 Nov;42(11): 1367-1383 |
|  | Gu Z, Liu Y, Zhang Y, Cao H, Lyu J, Wang X, Wylie A, Newkirk SJ, Jones AE, Lee M Jr, Botten GA, Deng M, **Dickerson KE**, Zhang CC, An W, Abrams JM, Xu J. “Silencing of LINE-1 retrotransposons is a selective dependency of myeloid leukemia.” Nat Genet. 2021 May; 53(5):672-682. |
|  | Pulsipher MA, Lehmann LE, Bertuch AA, Sasa G, Olson T, Nakano T, Gilio A, Burroughs LM, Lipton JM, Huang JN, **Dickerson KE**, Bertaina A, Zhuang C, Malsch M, Fleming M, Weller E, Shimamura A, Williams DA. “A study assessing the feasibility of randomization of pediatric and young adult patients between matched unrelated donor bone marrow transplantation and immune-suppressive therapy for newly diagnosed severe aplastic anemia: A joint pilot trial of the North American Pediatric Aplastic Anemia Consortium and the Pediatric Transplantation and Cellular Therapy Consortium.” Pediatr Blood Cancer. 2020 Oct;67(10):e28444 |
|  | Nakano TA, Lau BW, **Dickerson KE**, Wlodarski M, Pollard J, Shimamura A, Hofmann I, Sasa G, Elghetany T, Cada M, Dror Y, Ding H, Allen SW, Hanna R, Campbell K, Olson TS. “Diagnosis and treatment of pediatric myelodysplastic syndromes: A survey of the North American Pediatric Aplastic Anemia Consortium.“ Pediatr Blood Cancer. 2020 Oct;67(10):e28652 |
|  | Gu Z, **Dickerson KE**, Xu J. “Therapy Response and Outcome Explained by Leukemia Cell of Origin.” Cancer Discov. 2020 Oct;10 (10):1445-1447. |
|  | Montiel-Esparza R, Reys B, Rogers ZR, Evans AS, Wysocki CA, Timmons C, **Dickerson KE**. “Connecting the Dots From Fever of Unknown Origin to Myelodysplastic Syndrome: GATA2 Haploinsufficiency.” J Pediatr Hematol Oncol. 2020 Jul;42(5):e365-e368 |
|  | Li K, Zhang Y, Liu X, Liu Y, Gu Z, Cao H, **Dickerson KE**, Chen M, Chen W, Shao Z, Ni M, Xu J. “Noncoding Variants Connect Enhancer Dysregulation with Nuclear Receptor Signaling in Hematopoietic Malignancies.” Cancer Discov. 2020 May;10(5):724-745 |
|  | Li K, Liu Y, Cao H, Zhang Y, Gu Z, Liu X, Yu A, Kaphle P, **Dickerson KE**, Ni M, Xu J. “Interrogation of enhancer function by enhancer-targeting CRISPR epigenetic editing.” Nature Comm. 2020 Jan 24;11(1):485 |
|  | Gu Z, Liu Y, Cai F, Patrick M, Zmajkovic J, Cao H, Zhang Y, Tasdogan A, Chen M, Qi L, Liu X, Li K, Lyu J, **Dickerson KE**, Chen W, Ni M, Merritt ME, Morrison SJ, Skoda RC, DeBerardinis RJ, Xu J. “Loss of EZH2 Reprograms BCAA Metabolism to Drive Leukemic Transformation.” Cancer Discov. 2019 Sep;9(9):1228-1247 |
|  | Liu X, Zhang Y, Chen Y, Li M, Zhou F, Li K, Cao H, Ni M, Liu Y, Gu Z, **Dickerson KE**, Xie S, Hon GC, Xuan Z, Zhang MQ, Shao Z, Xu J. “In Situ Capture of Chromatin Interactions by Biotinylated dCas9.“ Cell. 2017 Aug 24;170(5):1028-1043 |
|  | Liu X, Zhang Y, Ni M, Cao H, Signer RAJ, Li D, Li M, Gu Z, Hu Z, **Dickerson KE**, Weinberg SE, Chandel NS, DeBerardinis RJ, Zhou F, Shao Z, Xu J. “Regulation of mitochondrial biogenesis in erythropoiesis by mTORC1-mediated protein translation.” Nat Cell Biol. 2017 May;19(6):626-638. |
|  | Bernot KM, Nemer JS, Santhanam R, Liu S, Zorko NA, Whitman SP, **Dickerson KE**,Zhang M, Yang X, McConnell KK, Ahmed EH, Munoz MR, Siebenaler RF, Marcucci GG, Mundy-Bosse BL, Brook DL, Garman S, Dorrance AM, Zhang X, Zhang Y, Lee RJ, Blum W, Caligiuri MA, and Marcucci G. “Eradicating Acute Myeloid Leukemia in a MllPTD/wt:Flt3ITD/wt murine model: A Path to Novel Therapeutic Approaches for Human Disease.” Blood. 2013 Nov;122(23):3778-3783. |
|  | Bernot KM, Siebenaler RF, Whitman SP, Zorko NA, Marcucci GG, Santhanam R, Ahmed EH, Ngangana M, McConnell KK, Nemer JS, Brook DL, Kulp SK, Chen CS, Frankhouser D, Yan P, Bundschuh R, Zhang X, Dorrance AM, **Dickerson KE**, Jarjoura D, Blum W, Marcucci G, Caligiuri MA. “Toward personalized therapy in AML: in vivo benefit of targeting aberrant epigenetics in MLL-PTD-associated AML.” Leukemia. 2013 Dec;27(12):2379-2382. |
|  | Chen M, Wang J, **Dickerson KE**, Kelleher J, Xie T, Gupta D, Lai EW, Pacak K, Gavrilova O, Weinstein LS. “Central nervous system imprinting of the G protein G(s)alpha and its role in metabolic regulation.“ Cell Metab. 2009 Jun; 9(6):548-555. |
|  | Chen M, Feng HZ, Gupta D, Kelleher J, **Dickerson KE**, Wang J, Hunt D, Jou W, Gavrilova O, Jin JP, Weinstein LS. “G(s)alpha deficiency in skeletal muscle leads to reduced muscle mass, fiber-type switching, and glucose intolerance without insulin resistance or deficiency.” Am J Physiol Cell Physiol. 2009 Apr; 296(4):C930-940. |
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**Reviews, Chapters, Monographs and Editorials**

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|  | Olson TS, **Dickerson KE**, Nakano TA, Wlodarski M. “Monosomy 7 Predisposition Syndromes Overview.” Gene Reviews. 2021 June 10. |
|  | **Dickerson KE**, Menon NM, Zia A.”Abnormal Uterine Bleeding in Young Women with Blood Disorders.” Pediatr Clin North Am. 2018 Jun;65(3):543-560 |