BRADFORD J. SIEGELE

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| **ACADEMIC APPOINTMENTS** | |
| **University of Colorado School of Medicine**, Aurora, CO | 2018-Present |
| Assistant Professor, Hematopathology & Pediatric Pathology |  |

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| **EDUCATION AND DEGREES** | |
| **Massachusetts General Hospital**, Boston, MA | 2017-2018 |
| Hematopathology Fellowship |  |
| **Boston Children’s Hospital**, Boston, MA | 2016-2017 |
| Pediatric Pathology Fellowship |  |
| **University of Colorado Anschutz Medical Campus**, Aurora, CO | 2012-2016 |
| Anatomic & Clinical Pathology Residency |  |
| **University of Texas Southwestern Medical Center at Dallas**, Dallas, TX | 2007-2012 |
| Medical Doctorate |  |
| **Columbia University**, New York, NY | 2005-2006 |
| Post-Baccalaureate/Pre-medical Program |  |
| **Harvard Law School,** Cambridge, MA | 2002-2005 |
| Juris Doctorate |  |
| **Duke University,** Durham, NC | 1996-1999 |
| A.B. in English and Philosophy, Magna cum laude | |
| |  |  | | --- | --- | | **SPECIALTY & SUBSPECIALTY CERTIFICATION** | | | Anatomic & Clinical Pathology, Diplomate | July 2016 (effective) |  |  |  | | --- | --- | | Pediatric Pathology, Diplomate | September 2017 (effective) |  |  |  | | --- | --- | | **LICENSURE** | | | State of California Active Physician LicenseState of Colorado Active Physician License Commonwealth of Massachusetts Active Physician Training License | April 2018 (issued)  May 2017 (issued)  April 2017 (issued) | |  |  | | **PROFESSIONAL ORGANIZATIONS** |  | | American Society for Clinical Pathology (ASCP) | 2017-Present | | Massachusetts Medical Society | 2016-Present | | Society for Pediatric Pathology (SPP)Education Committee Slide Survey Sub-Committee | 2014-Present  2016-Present  2016-Present | | College of American Pathologists (CAP) | 2012-Present | |  |  | | **PROFESSIONAL ACTIVITIES** |  | | Moderator, Neoplasia Platform Presentation Session, Society for Pediatric Pathology,Spring MeetingChief Hematopathology Fellow, Department of Pathology, Massachusetts General HospitalChief Fellow, Department of Pathology, Boston Children’s Hospital | 2018  2017-2018  2016 | | Resident Leader, Global Health Initiative, Department of Pathology, University ofColorado Anschutz Medical Campus | 2014-2016 | | Resident Instructor, Life Cycle and Disease/Defense and Life Cycles courses, Universityof Colorado Anschutz Medical School | 2012-2016 | | Instructor, Multi-institute seminar series on comparative mouse and human oral anatomyand histology, National Institutes of Health | 2011 | | Course Director and Instructor, Physiology, Metabolic Disorders, and CardiovascularPhysiology, University of Texas Southwestern Medical School | 2008 | |  |  | | **HONORS AND AWARDS** |  | | Lotte Strauss Prize for Meritorious Work by an Individual 40 years of Age or Younger(Finalist), Society for Pediatric Pathology, Spring MeetingRobert H. Fennell, Jr., M.D. Award for Excellence in Education, University of ColoradoAnschutz Medical Campus, Department of Pathology | 2017  2016 | | Resident in Service Examination (RISE) Award, Highest RISE Score in 1st (tied), 2nd, 3rd(tied), 4th years, University of Colorado Anschutz Medical Campus, Department ofPathology | 2013-2016 | | Medical Student Teaching Award, University of Colorado Anschutz Medical Campus,Department of PathologyUniversity of Colorado Clinical Laboratories Dashboard Award for Special Assistance inthe Stragetic Initiative for Quality Assurance and Improvement Alona Evans Prize for Best Original Manuscript in International Law, Duke University | 2014  2012  1999 | |  |  | | **PUBLICATIONS** |  | | Iyasere, CA, Takvorian, RW, Simeone, FJ, **Siegele, B.** “A 39-year-old man with epistaxis, pain and erythema of the forearm, and pancytopenia.” *N Engl J Med.* (epub ahead of print).  Martin, D, Degese, MS, Vitale-Cross, L, Iglesias-Bartolome, R, Valera, JLC, Wang, Z, Feng, X, Yeerna, H, Vadmal, V,  Moroishi, T, Thorne, RF, Zaida, M, **Siegele, B**, Cheong, SC, Molinolo, AA, Samuels, Y, Tamayo, P, Guan, KL,  Lippman, SM, Lyons, JG, Gutkind, JS. “Assembly and activation of the Hippo signalome by FAT1 tumor suppressor.”  *Nat Commun.* 2018 July 9. Doi: 10.1038/s41467-018-04590-1 (epub ahead of print).  **Siegele, B,** Nardi, V. “Laboratory testing in *BCR-ABL1-*like (Philadelphia-like) B-lymphoblastic leukemia/lymphoma.  *Am J Hematol*. 2018 Apr 26. Doi: 10.1002/ajh.25126 (epub ahead of print).  Rosenblatt, S, Wolter, N, **Siegele, B,** Brodsky, J. “Primary parotid lymphoma presenting as a recurrent cystic  mass: A case report.” *Laryngoscope.* 128(4):998-1001, 2018.  Wolter, N, **Siegele, B**, Cunningham, M. “Cystic cervical teratoma: A diagnostic and management challenge.” *Int’l J*  *Ped Otorhinolaryngol* 95:97-100, 2017.  **Siegele, B,** Roberts, J, Black, J, Rudzinski, E, Vargas, S, Galambos, C, “DUX4 immunohistochemistry is a highly  sensitive and specific marker for *CIC-DUX4* fusion positive round cell tumor” *Am J Surg Pathol*. 41:423-29, 2017.  **Siegele, B,** Liang, X**.** Hematopathology, in Dishop, MK, ed. *Atlas of Pediatric Pathology*, Springer, New York, NY  (*In press*).  **Siegele, B.** Head & Neck, in Dishop, MK, ed. *Atlas of Pediatric Pathology*, Springer, New York, NY (*In press*).  **Siegele, B.** Adrenal Gland, in Dishop, MK, ed. *Atlas of Pediatric Pathology*, Springer, New York, NY (*In press*).  **Siegele, B,** Iczkowski, K, La Rosa, F. “Carcinosarcoma of the prostate in a patient with previous prostatic  adenocarcinoma, status post brachytherapy: A case report and review of the literature,” *Intl J Clin Exper Pathol*.  9(7):7724-32, 2016.  **Siegele, B,** Shilo, K, Chao, BH, Carbone, D, Zhao, W, Ioffe, O, Franklin, W, Edelman, MJ, Aisner, DL. “Epidermal  growth factor receptor (*EGFR*) mutations in small cell lung cancers: Two cases and a review of the literature,”  *Lung Cancer.* 95:65-72, 2016.  Patel, V, Iglesias-Bartolome, R, **Siegele, B**, Marsh, C, Leelahavanichkul, K, Molinolo, A, Gutkind, JS. “Cellular  Systems for Studying Human Oral Squamous Cell Carcinomas,” in *Advances in Experimental Medicine and*  *Biology: Human Cell Transformation.* 720(1):27-38, 2012.  **Siegele B**, Cefalu C, Holm N, Sun G, Tubbs J, Meschonat C, Odaka Y, DeBenedetti A, Ghali GE, Chu Q, Mathis JM,  Li BD. “eIF4E-targeted suicide gene therapy in a minimal residual mouse model for metastatic soft-tissue head and  neck squamous cell carcinoma improves disease-free survival,” *J Surg Res*. 148:83-9, 2008. | | |  |  | | **ORAL PRESENTATIONS** |  | | **Siegele, B.** “66 year-old woman with high-grade B-cell lymphoma of the right arm.” (Invited Lecture). New England  Lymphoma Rounds. Boston, MA. September 2017.  **Siegele, B,** Chisholm, K, Hoffman, I, Hasserjian, R, Weinberg, O. “Pediatric Myelodysplastic Syndrome: Clinical  features, genetics, and classification under the 2016 WHO revision in a cohort of 72 patients.” Platform Presentation  at Society for Pediatric Pathology Spring Meeting, San Antonio, TX. 2017.  **Siegele, B,** Roberts, J, Black, J, Rudzinski, E, Vargas, S, Galambos, C. “DUX4 Immunohistochemistry is a Highly  Sensitive and Specific Marker for *CIC-DUX4* Fusion-Positive Round Cell Tumor.” Platform Presentation at Society  for Pediatric Pathology Fall Meeting, Honolulu, HI. 2016.  **Siegele, B,** Liang, X. “Enteric Epstein Barr Virus (EBV)-Negative Post-Transplant Lymphoproliferative Disorder in a  Patient with a History of EBV Gastroenteritis and Markedly Elevated Serum EBV DNA Levels.” Platform  Presentation at Society for Hematopathology Workshop. Long Beach, CA. 2015.  **Siegele, B,** Shilo, K, Carbone, D, Edelman, M, Zhao, W, Ross, P, Chao, B, Franklin, W, Aisner, D. “Case Series  Report: EGFR Mutation in Small Cell Lung Carcinoma (SCLC).” Oral presentation at Association for Molecular  Pathology Annual Meeting, Phoenix, AZ. 2013.  **Siegele, B**, Lam, E, Boyer, P. “Detection of the Antigen Excess Phenomenon in the Serum Free Light Chain Assay by  Kinetic Curve Analysis: A Single Institutional Experience.” Oral presentation at Academy of Clinical Laboratory  Physicians and Scientists Annual Meeting, Atlanta, GA. 2013.  **Siegele B**, Cefalu C, Holm N, Sun G, Chu Q, Tubbs J, Meschonat C, et al.  “Translation initiation factor eIF4E  targeted suicide gene therapy following cytoreductive surgery improves disease-free survival in a mouse soft tissue  metastasis model for head and neck squamous cell carcinoma.” Oral presentation at Academic Surgical Congress,  Huntington Beach, CA. 2008.  **Siegele, B. “**Selective Targeting of a Head and Neck Squamous Cell Carcinoma Cell Line by a Translationally-  Controlled Herpes Simplex Virus Thymidine Kinase Suicide Gene.” Oral presentation at American Association of  Oral and Maxillofacial Surgery Annual Meeting, Honolulu, HI. 2007.  Holm, N, Byrnes, KW, **Siegele B**, Li, BDL, Odaka, Y, Mathis, JM, Chu, Q. “A Novel Conditionally Replicative  Adenovirus Gene Therapy Targeting Overexpression of Chemokine Receptor CXCR-4 in a Pancreatic Cancer Cell  Line.” Oral presentation at American Hepatopancreatobiliary Congress, Las Vegas, NV. 2007. | | |  |  | | **POSTERS** |  | | Weinberg, O, Patel, S, **Siegele, B,** Kim, A. “*RIT1* Variants Are Uncommon In Myeloid Neoplasms But Associated With  High Risk Features.” Poster presentation at United States & Canadian Academy of Pathology Annual Meeting.  Vancouver, BC. 2018.  **Siegele, B**, Wartchow, E, Deterding, R, Weinman, J, Galambos, C. “Expanding the Spectrum of Childhood  Pneumoconiosis: The Role of Histopathology, Electron Microscopy, and Energy Dispersive X-Ray Spectroscopy.”  Poster presentation at Society for Pediatric Pathology Annual Meeting. Denver, CO. 2017.  **Siegele, B,** Chisholm, K, Hoffman, I, Hasserjian, R, Weinberg, O. “Pediatric Myelodysplastic Syndrome: Clinical  features, genetics, and classification under the 2016 WHO revision in a cohort of 72 patients.” Poster presentation at  Harvard Medical School Department of Pathology Research Forum, Boston, MA. 2017.  **Siegele, B,** Swisshelm, K, Carstens, B, Liang, X. “*MLL*-Rearranged T-Lymphoblastic Leukemias Are Associated with  CD34+ and Non-dual CD4+CD8+ Phenotype but not with Unfavorable Outcome in Pediatric Patients.” Poster  presentation at United States & Canadian Academy of Pathology Annual Meeting. Seattle, WA. 2016.  Rosser, J, **Siegele, B,** Schowinsky, J. “Performance of Immunohistochemistry for Detection of IDH1 R132H in  Marrow Core Biopsy Specimens with Acute Myeloid Leukemia.” Poster presentation at United States & Canadian  Academy of Pathology Annual Meeting. Seattle, WA. 2016.  **Siegele, B,** Lovell, M, Swisshelm, K, Carstens, B, Liang, X. “*MLL* Gene Rearrangements occur in AML with Minimal  Differentiation (M0) and are Associated with Very Poor Clinical Outcome.” Poster presentation at Society for  Pediatric Pathology Annual Meeting. Seattle, WA. 2016.  **Siegele, B,** Liang, X. “Kikuchi‐Fujimoto Disease can be Distinguished from Mimics in the Presence of Leukopenia &  Neutropenia.” Poster presentation at Society for Pediatric Pathology Annual Meeting. Boston, MA. 2015.  **Siegele, B,** Schowinsky, J, Flynn, B, Lucia, MS, La Rosa, FG. “Carcinosarcoma of the Prostate in a Patient with a  History of Prostatic Adenocarcinoma, Status Post Brachytherapy.” Poster presentation at University of Colorado  Hospital Department of Pathology Special Poster Session. 2015.  Ren, Q, Haney, J, Jones, K, Gowan, K, O'Neill, P, Bocsi, G, Merrick, D, Seager, M, **Siegele, B**, Franklin, WA,  Aisner, DL.“Validation of TruSight Tumor Panel Next Generation Sequencing (NGS) Assay in Formalin-Fixed,  Paraffin-Embedded (FFPE) Specimens.” Poster presentation at Association for Molecular Pathology Annual  Meeting, Washington, DC. 2014 and publication in *The Journal of Molecular Diagnostics*.  Yang, A, Cline, M, **Siegele, B**, Brown, C. “Unexplained seizures in the setting of a metastatic adrenal tumor.” Poster  presentation at Denver Health and Hospital Golden Bowtie Poster Session. Denver, CO. 2014.  Pan, Z, Xu, J, **Siegele, B**, Kolfenbach, J, Reddy, V, Schowinsky, J, Hu, Shimin. “A Significant Increase in IgG4+  Cells is a Common Finding in Reactive Lymph Nodes of Unknown Etiology.” Poster presentation at United States  & Canadian Academy of Pathology. San Diego, CA. 2014.  Murphy, R, **Siegele, B**, Malkoski, S. “Acute Myeloid Leukemia inv(3)(q21q26): An Insidious Presentation of a Rare  Diagnosis.” Poster presented at Rocky Mountain Hospital Medicine Symposium, Denver, CO. 2013.  **Siegele B**, Cefalu C, Holm N, Sun G, Chu G, Tubbs J, Meschonat C, Odaka Y, Mathis JM, Ghali GE, Li BD.  “Translation Initiation Factor eIF4E-targeted Suicide Gene Therapy Following Cytoreductive Surgery Improves  Disease Free Survival In A Mouse Soft Tissue Metastasis Model For Head And Neck Squamous Cell Carcinoma.”  13th Annual Ray A. Barlow Scientific Symposium. Shreveport, Louisiana. 2008. | | |  |  | | **PEER REVIEW ACTIVITIES** |  | | Pediatric and Developmental Pathology, Ad hoc reviewer | 2017-Present | |  |  | | **RESEARCH WORK** |  | | Research Fellow, National Institutes of Health/National Institute of Dental andCraniofacial Research,Bethesda, MD | 2010-2011 | | Research Assistant, Louisiana State University Health Sciences Center, Shreveport, LA | 2006-2007 | | **SERVICE** |  | | National Rider, Ride for Global Health | 2010-2011 | | Captain, Harvard Law School Soccer Team, Harvard Law School | 2002-2003 | | **INTERNATIONAL EXPERIENCE** |  | | GYN Cytology Mini-Elective Rotation, University of Colorado Anschutz MedicalCampus, Cuzco, Peru | 2014 | | Internal Medicine Sub-Intern, Bangalore Baptist Hospital, Bangalore, India | 2012 | |  |  | | |