

CURRICULUM VITAE

Kathleen M. Bone PhD

Associate Professor
Department of Pathology
Division of Administration

OFFICE ADDRESS:

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EDUCATION:

09/2002 - 05/2007 BS (Honors), Biopharmaceutical Science, Genomics (Co-operative Education 5 year program), University of Ottawa, Ottawa, ON, Canada
05/2007 - 12/2009 MS, Cellular and Molecular Medicine, University of Ottawa, Ottawa, ON, Canada
01/2010 - 09/2014 PhD, Laboratory Medicine and Pathology, University of Alberta, Edmonton, AB, Canada

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS:

10/2014 - 09/2016 Canadian College of Medical Geneticists Fellow in Clinical Cytogenetics, Department of Pathology and Laboratory Medicine, Division of Anatomic Pathology and Cytopathology, Alberta Children's Hospital and Calgary Laboratory Services, Calgary, AB, Canada
01/01/2021 - 08/01/2023 American Board of Medical Genetics and Genomics (ABMGG) Fellow in Laboratory Genetics and Genomics (LGG) Alternative Training Pathway, Molecular Genetics and Genomics, Department of Pathology, Medical College of Wisconsin, Milwaukee, WI

FACULTY APPOINTMENTS:

04/2015 - 08/2016 Clinical Lecturer, Department of Pathology and Laboratory Medicine, University of Calgary, Calgary, AB
11/2016 - 03/2018 Assistant Professor, Department of Pathology and Laboratory Medicine, Western University, London, ON
11/01/2018 - 06/30/2023 Assistant Professor, Department of Pathology, Medical College of Wisconsin, Milwaukee, WI
01/07/2023 - Present Associate Professor, Department of Pathology, Medical College of Wisconsin, Milwaukee, WI

ADMINISTRATIVE APPOINTMENTS:

11/2016 - 03/2018 Cytogeneticist, Department of Pathology and Laboratory Medicine, London Health Sciences Centre, London, ON
11/01/2018 - 08/02/2019 Associate Director of Cytogenetics, Department of Pathology, Medical College of Wisconsin, Milwaukee, WI
08/05/2019 - 01/31/2021 Acting Director of Cytogenetics, Department of Pathology, Medical College of Wisconsin, Milwaukee, WI
01/02/2021 - 05/12/2021 Co-Director of Cytogenetics, Department of Pathology, Medical College of Wisconsin, Milwaukee, WI
05/13/2021 - Present Director of Cytogenetics, Department of Pathology, Medical College of Wisconsin, Milwaukee, WI
02/01/2024 - Present Associate Director, Precision Medicine Laboratory, Department of Pathology, Medical College of Wisconsin, Milwaukee, WI

SPECIALTY BOARDS AND CERTIFICATION:

<u>Board Certified</u>	<u>Issue Date</u>	<u>Expiration</u>
Clinical Cytogenetics and Genomics, American Board of Medical Genetics and Genomics	09/01/2017	None
Clinical Cytogenetics, Canadian College of Medical Geneticists	07/09/2018	None
Laboratory Genetics and Genomics, American Board of Medical Genetics and Genomics	10/26/2023	None

<u>Certificates</u>	<u>Issued By</u>	<u>Issue Date</u>	<u>Expiration</u>
Inspection Team Certification, Clinical Cytogenetics and Genomics	College of American Pathologists	03/05/2019	None
Inspection Team Certification, Molecular Pathology	College of American Pathologists	04/18/2023	None

AWARDS AND HONORS:

09/2002 Entrance Award, University of Ottawa
09/2005 - 04/2007 Dean's Honor's List, University of Ottawa
05/2008 - 12/2008 Excellence Award, University of Ottawa
05/2008 - 12/2008 Ontario Graduate Scholarship, Ontario Student Assistance Program
01/2009 - 12/2009 National Excellence Award, University of Ottawa
01/2009 - 12/2009 Frederick Banting and Charles Best Canada Graduate Scholarship, Canadian Institute of Health Research (CIHR)
05/2010 - 04/2012 Sir Izaak Walton Killam Memorial Scholarship, Killam Trusts and the University of Alberta
05/2010 Dean's Scholarship, University of Ottawa
05/2012 - 10/2014 Alberta Innovates Health Solutions (AIHS) Studentship, Alberta Innovates Health Solutions (AIHS)
05/2012 - 10/2014 President's Doctoral Prize of Distinction, University of Alberta
05/2012 DynaLIFEDX Graduate Research Prize, 2nd Place, University of Alberta
05/2012 - 10/2014 Frederick Banting and Charles Best Canada Graduate Scholarship, Canadian Institute of Health Research
05/2012 Medical Sciences Graduate Program Scholarship, University of Alberta (Declined in favor of AIHS and CIHR Studentships)
10/01/2014 - 09/30/2016 Cytogenetics Fellowship Training Award, University of Calgary and Calgary Laboratory Services
10/2014 - 09/2016 Cytogenetics Fellowship, Calgary Laboratory Services and the University of Calgary
11/2014 Nominated for the Governor General's Gold Medal, University of Alberta
05/2016 Linda Stevens Memorial Fund, Canadian College of Medical Geneticists
07/2017 Molecular Genetics Fellowship, Alberta Children's Hospital Research Institute (Declined)
01/01/2023 2022 Outstanding Committee Service Award, Office of Research, Medical College of Wisconsin
10/23/2023 2023 Outstanding Committee Service Award, Office of Research, Medical College of Wisconsin
11/07/2023 2022-2023 Outstanding Medical Student Teacher, Medical College of Wisconsin Course: Molecules to Cells
11/07/2023 2022-2023 Outstanding Medical Student Teacher, Medical College of Wisconsin Course: Foundations of Pathological Processes - Musculoskeletal/Skin
11/2023 Inspector Recognition, College of American Pathologists

MEMBERSHIPS IN HONORARY AND PROFESSIONAL SOCIETIES:

- 09/2011 - Present Golden Key International Honour Society (Member)
- 06/2015 - 12/2016 Canadian College of Medical Geneticists (Fellow-in-training Member Affiliate)
- 01/2017 - 07/2018 Canadian College of Medical Geneticists (Associate Affiliate Member)
- 12/18/2017 - Present American College of Medical Genetics and Genomics (Fellow)
- 07/09/2018 - Present Canadian College of Medical Geneticists (Fellow)
- 12/01/2018 - Present Royal College of Physicians and Surgeons of Canada (Maintenance of Certification Program Member)
- 07/2020 - Present Cancer Genomics Consortium (Member)

EDITORSHIPS/EDITORIAL BOARDS/JOURNAL REVIEWS:

Ad-Hoc Reviewer

- 05/2019 - Present Cancer Genetics
- 09/2022 - Present American Journal of Clinical Pathology (AJCP)
- 10/2022 - Present Cold Spring Harbor Molecular Case Studies
- 11/2022 - Present Frontiers in Genetics

NATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

- 04/01/2023 - Present Member, Diversity, Equity, and Inclusion Committee, American College of Medical Genetics and Genomics
- 10/23/2023 - Present Diversity, Equity and Inclusion Committee Representative Member, Conflict of Interest Committee, American College of Medical Genetics and Genomics

INTERNATIONAL ELECTED/APPOINTED LEADERSHIP AND COMMITTEE POSITIONS:

- 07/01/2018 - 06/30/2023 Member, Scientific Program Committee, Canadian College of Medical Geneticists
- 09/2022 - Present Member, Continuing Professional Development (CPD) Committee, Canadian College of Medical Geneticists
- 05/01/2024 - Present Member, Cytogenetics Discipline, Children's Oncology Group (COG)
- 07/30/2024 - Present Member, Dosage Sensitivity Curation Working Group, ClinGen

INVITED LECTURES/WORKSHOPS/PRESENTATIONS:**Regional**

- Bone, Kathleen, The importance of evaluating for CRLF2 rearrangements in pediatric B-ALL patients, Department of Pathology and Laboratory Medicine Clinical Rounds in Surgical Pathology, University of Wisconsin - Madison, Madison, Wisconsin, USA, 09/30/2021
- Bone, Kathleen M., HER2 FISH Reporting Across Cancer Types, 14th Annual Midwestern Conference: Update Course in Diagnostic Pathology, Milwaukee, WI, 09/22/2023

Local

- Bone, Kathleen M., The NPM-ALK oncoprotein potentiates its tumorigenesis through functional inhibition of DNA mismatch repair, Department of Laboratory Medicine and Pathology Grand Rounds, University of Alberta, Alberta Health Services, Edmonton, Alberta, Canada, 06/13/2013
- Bone, Kathleen M., Genomic architecture as a catalyst of chromosomal rearrangement, Department of Pathology and Laboratory Medicine Rounds, Victoria Hospital, London Health Sciences Centre, London, Ontario, Canada, 05/16/2016
- Bone, Kathleen M., Genomic architecture as a catalyst of chromosomal rearrangement, Department of Medical Genetics Seminar Series, University of Calgary, Calgary, Alberta, Canada, 06/01/2016
- Bone, Kathleen M., Unexpected complexity in cytogenetic prenatal diagnosis, Medical Genetics Program of Southwestern Ontario, Medical Genetics Rounds, Victoria Hospital, London Health Sciences Centre, London, Ontario, Canada, 03/31/2017
- Bone, Kathleen M., Unexpected complexity in cytogenetic prenatal diagnosis, Division of Laboratory Medicine, Department of Pathology Rounds, Beth Israel Deaconess Medical Center, Harvard Medical School, Boston, MA, USA, 04/26/2018
- Bone, Kathleen M., Unexpected complexity in cytogenetic prenatal diagnosis, Department of Pathology Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, USA, 07/16/2018
- Bone, Katie M., HER2 FISH Reporting Across Cancer Types, Department of Pathology Grand Rounds, Medical College of Wisconsin, Milwaukee, WI, USA, 08/02/2024

PEER REVIEWED WORKSHOPS/PRESENTATIONS:

International

- Bone, K.M., Young, L.C., Wang, P., Wu, F., Adams, B.A., Hegazy, S., Gelebart, P., Holovati, J., Li, L., Andrew, S.E., Lai, R., Oncogenic tyrosine kinase NPM-ALK mediates phosphorylation of MSH2 at tyrosine 238 creating a functional deficiency in MSH2 protein and the loss of cellular mismatch repair capacity. (poster), Gordon Research Conference: Cancer Genetics and Epigenetics, Lucca, Italy, 04/21/2013 - 04/26/2013
- Bone, K.M., Argiropoulos, B., Chernos, J., A rare four break balanced reciprocal insertional chromosomal translocation - a case report. (platform), Canadian College of Medical Geneticists Annual Scientific Meeting, Edmonton, Alberta, Canada, 06/19/2016 - 06/22/2016
- MacPherson, M.J., Bone, K., Chernos, J., Lauzon, J., Failure of NIPT to detect a ring 21 chromosomal rearrangement in a case of fetal hydrops. (poster), International Conference on Prenatal Diagnosis and Therapy, San Diego, California, USA, 09/07/2017 - 12/07/2017
- Bone, K.M. and Mackenzie, J. (moderators), Symposium 2 -Competence-by-Design in Genetics Education, Canadian College of Medical Geneticists Annual Scientific Meeting, Niagara Falls, Ontario, Canada, 06/24/2019
- Bone, K.M. and Selvarajah, S. (moderators), Validation of Laboratory Developed Tests in Molecular Diagnostics Workshop, Canadian College of Medical Geneticists Annual Scientific Meeting, Virtual, 06/02/2021
- Bone, K.M. (moderator), Prenatal & Newborn Screening Symposium, Canadian College of Medical Geneticists Annual Scientific Meeting, Virtual, 06/07/2022
- Bone, Kathleen M. (moderator), CCMG Workshop: Interesting Cases and Abstract Oral Presentations, Canadian Society of Clinical Chemists and Canadian College of Medical Geneticists Joint Annual Scientific Meeting, Winnipeg, Manitoba, Canada, 06/19/2023
- Bone, Kathleen M. and Kernohan, Kristin. (moderators), CCMG Symposium: New approaches to early detection of genetic conditions and risk, Canadian Society of Clinical Chemists and Canadian College of Medical Geneticists Joint Annual Scientific Meeting, Winnipeg, Manitoba, Canada, 06/20/2023
- Mandziuk, J., Bone, K., Parsons, L., Jarzembowski, J., Neuroblastoma and Olfactory Neuroblastoma Show Similar Survival Curves When Utilizing INPC Classification Criteria and Groups or Hyams Grading and Groups. (oral), Paediatric Pathology Society (PPS) and Society for Pediatric Pathology (SPP) Joint Meeting, Dublin, Ireland, 09/12/2024 - 09/14/2024

National

- Wu, C., Molavi, O, Bone, K.M., Zhang, H., Wu, F., and Lai, R., The biological function of Stat1 in ALK positive anaplastic large cell lymphoma. (poster), Alberta Cancer Foundation Cancer Research Conference, Banff, Alberta, Canada, 10/21/2013 - 10/23/2013
- Bone, K.M., Wang, P., Wu, F., Wu, C., Li, L., Andrew, S.E., Lai, R., NPM-ALK mediates phosphorylation of MSH2 at tyrosine 238, creating a functional deficiency in MSH2 protein and the loss of cellular mismatch repair capacity. (platform), Alberta Cancer Foundation Cancer Research Conference, Banff, Alberta, Canada, 10/21/2013 - 10/23/2013
- Sun, D., Bone, K., Lai, R., Li, L., Analysis of differentially expressed metabolites induced by NPM-ALK in anaplastic lymphoma kinase-positive anaplastic large cell lymphoma. (poster), American Society for Mass Spectrometry (ASMS) Conference on Mass Spectrometry and Allied Topics, Baltimore, Maryland, USA, 06/15/2014 - 06/19/2014
- Bone, K.M., Argiropoulos, B., Chernos, J., Complex structural rearrangements involving 8p23: a rare case of 8p23.1 duplication and 8p23.2 triplication. Session II: Clinical problems. (platform), Great Lakes Cytogenetic Conference, Toronto, Ontario, Canada, 05/14/2015 - 05/15/2015
- Bone, K.M., Marcadier, J., Lamont, R., Parboosingh, J., Argiropoulos, B., Chernos, J., A twist on TWIST - cytogenetic investigation of patients with craniosynostosis. Session II: Clinical Problems. (platform), Great Lakes Cytogenomic Conference, Toronto, Ontario, Canada, 05/19/2016 - 05/20/2016
- Bone, K.M., Chernos, J.E., Perrier, R., Innes, A.M., Bernier, F.P., McLeod, R., Thomas, M.A., Mosaic trisomy 1q: a recurring chromosome anomaly that is a diagnostic challenge and is associated with a Fryns-like phenotype. Session II: Clinical Problems. (platform), Great Lakes Cytogenomic Conference, Toronto, Ontario, Canada, 05/18/2017 - 05/19/2017
- Miller, L.J., Leventaki, V., Drendel, H. and Bone, K., A complex KMT2A-AFF3 fusion resulting from a three-

- way chromosomal rearrangement in pediatric B lymphoblastic leukemia. (virtual platform), College of American Pathologists (CAP) Annual Meeting, Chicago, Illinois, USA, 09/25/2021
- Rademacher, M.J., Medin, J.A., Bone, K.M., Schloemer, N.J., Pediatric sarcoma orthotopic patient-derived xenograft program development. (poster), Eighth Annual Pediatric Cancer Symposium: Exploring Immunotherapy in Pediatric Cancers, Milwaukee, WI, USA, 06/01/2022 - 06/02/2022
- Miller LJ, Sauterbak A, Parsons LN, Singh R, Bone, K.M., Atypical presentation of sclerosing epithelioid fibrosarcoma. (poster), The American Society of Clinical Pathology Annual Meeting, Chicago, IL, USA, 09/22/2022
- Miller LJ, Bodnar C, Parsons LN, Singh R, Bone KM, Effects of EWSR1 amplification on the clinical and histologic behavior of non-Ewing sarcoma soft tissue tumors. (poster), The Association for Molecular Pathology Annual Meeting, Phoenix, AZ, USA, 11/05/2022
- Manjee, K.G., Chaudhary, L.N., Kopp, N., Bone, K.M., Rui, H., Jorns, J.M., HER2 upregulation following neoadjuvant endocrine therapy in ER-positive breast cancer (poster), College of American Pathologists Annual Meeting, Chicago, IL, USA, 10/07/2023 - 10/10/2023

COMMITTEE SERVICE:

Medical College of Wisconsin

- 12/2018 - Present Member, Education Committee, Department of Pathology, Medical College of Wisconsin
- 05/01/2019 - 01/01/2023 Member, Institutional Review Board (IRB) Committee 5, Human Research Protection Program, Medical College of Wisconsin
- 05/2019 - Present Member, Grand Rounds Planning Committee, Department of Pathology, Medical College of Wisconsin
- 08/2020 - Present Chair, Molecular Conference, Department of Pathology, Medical College of Wisconsin
- 01/2022 - Present Member, Resident Recruitment Committee, Department of Pathology, Medical College of Wisconsin
- 01/02/2023 - Present Vice-Chair, Institutional Review Board (IRB) Committee 5, Human Research Protection Program, Medical College of Wisconsin
- 11/03/2023 - Present Member, Retention and Recruitment Workgroup, Department of Pathology, Medical College of Wisconsin

Hospital

- 2019 - Present Chair, Molecular Working Group for Collaboration, Froedtert Hospital and Wisconsin Diagnostic Laboratories
- 10/2022 - Present Molecular Subject Matter Expert, Beaker Steering Committee, Froedtert Hospital and Wisconsin Diagnostic Laboratories

MCW TEACHING ACTIVITIES:

Medical Student Education

- 11/2018 - Present M4 Clinical Pathology Rotation
- 11/2018 - Present M3 Clinical Pathology Rotation
- 08/2019 - Present INTE-D2205 Foundations of Pathological Processes - Musculoskeletal and Skin: Neoplasia, Advanced Diagnostic Techniques and Molecular Oncogenesis
- 11/2021 - Present INTE-D1105 Molecules to Cells: Clinical Cytogenetics
- 08/2022 - Present M1 and M2 Patient-Based Discussion (PBD) Facilitator
- 08/2023 - Present MCW Fusion Curriculum: Patient Based Discussion Small Group Facilitator

Graduate Student Education

- 01/2021 - Present CTS1-2024 Translational Genomics Course, Clinical and Translational Science Program: Introduction to Clinical Cytogenetics
- 09/2021 - Present Genetic Counseling Master of Science Program: Laboratory Practicum Cytogenetics
- 03/2022 - Present Master of Science in Precision Medicine, Laboratory Genetics and Genomics Course, Tools of Molecular Genetics: Techniques in Cytogenetics, Genotyping and Tissue Typing

Resident and Fellow Education

11/01/2018 - Present Cytogenetics Rotation Director
07/2019 - Present Molecular 1 and Molecular 2 didactic teaching

Community/Lay Public

06/2022 - Present Student Centered Pipeline to Advance Research in Cancer Careers (SPARCC)

EXTRAMURAL TEACHING:

Medical Student Education

05/2012 - 05/2013 University of Alberta, Edmonton, Alberta, Canada, Medical Laboratory Sciences evaluations of fourth year undergraduate class final project presentations

09/2012 - 12/2013 University of Alberta, Edmonton, Alberta, Canada, Clinical Immunology: Immunology of Cancer, Medical Laboratory Sciences

02/2018 Marquette University, Milwaukee, Wisconsin, Clinical Cytogenetics, Clinical Laboratory Sciences Program

Graduate Student Education

09/2011 - 04/2013 University of Alberta, Edmonton, Alberta, Canada, Teaching assistant for LABMP 530 - Experimental Design and Scientific Communication, Department of Laboratory Medicine and Pathology

Resident and Fellow Education

02/2015 - 02/2016 Alberta Children's Hospital, University of Calgary, Calgary, Alberta, Canada, Department of Medical Genetics resident and fellow Core Month teaching

Community/Lay Public

04/10/2023 Pathful Connect: career education and outreach. Connecting educators and industry to students, Cytogenetics and Genetic Counseling

GRANT REVIEWS:

05/01/2023 - Present Ad-Hoc Grant Reviewer: Herma Heart Institute Innovation Pilot Awards, Children's Wisconsin, Advancing a Healthier Wisconsin

OUTSIDE COMMITTEE SERVICE:

05/2011 - 04/2012 Graduate Students' Association (GSA) Laboratory Medicine and Pathology Departmental Representative, University of Alberta, Edmonton, Alberta, Canada

09/2011 - 05/2012 Laboratory Medicine and Pathology Rounds Committee - Student representative, University of Alberta, Edmonton, Alberta, Canada

09/2011 - 05/2012 Graduate Student Experience Panel Member, University of Alberta, Edmonton, Alberta, Canada

WEBINAR SERIES:

05/17/2021 University of Alberta, AlumLab Project, Faculty of Medicine and Dentistry, Career Incubator Webinar Series, Fireside Chat (virtual webinar)

05/26/2021 University of Alberta, AlumLab Project, Faculty of Medicine and Dentistry, Coffee Break Series (virtual webinar)

BIBLIOGRAPHY

Refereed Journal Publications/Original Papers

1. Pratt MA, Tibbo E, Robertson SJ, Jansson D, Hurst K, Perez-Iratxeta C, Lau R, Niu MY. The canonical NF-kappaB pathway is required for formation of luminal mammary neoplasias and is activated in the mammary progenitor population. *Oncogene*. 2009 Jul 30;28(30):2710-22.
2. Young LC, Bone KM, Wang P, Wu F, Adam BA, Hegazy S, Gelebart P, Holovati J, Li L, Andrew SE, Lai R. Fusion tyrosine kinase NPM-ALK deregulates MSH2 and suppresses DNA mismatch repair function: novel insights into a potent oncoprotein. *Am J Pathol*. 2011 Jul;179(1):411-21.

3. Gelebart P, Hegazy SA, Wang P, Bone KM, Anand M, Sharon D, Hitt M, Ma Y, Lai R. Aberrant expression and biological significance of Sox2, an embryonic stem cell transcriptional factor, in ALK-positive anaplastic large cell lymphoma. *Blood Cancer J.* 2012 Aug 10;2:e82.
4. Wu F, Zhang J, Wang P, Ye X, Jung K, Bone KM, Pearson JD, Ingham RJ, McMullen TP, Ma Y, Lai R. Identification of two novel phenotypically distinct breast cancer cell subsets based on Sox2 transcription activity. *Cell Signal.* 2012 Nov;24(11):1989-98.
5. Bone KM, Wang P, Wu F, Wu C, Li L, Andrew SE, Lai R. NPM-ALK mediates phosphorylation of MSH2 at tyrosine 238, creating a functional deficiency in MSH2 and the loss of mismatch repair. *Blood Cancer J.* 2015 May 15;5:e311.
6. Wu C, Molavi O, Zhang H, Gupta N, Alshareef A, Bone KM, Gopal K, Wu F, Lewis JT, Douglas DN, Kneteman NM, Lai R. 2015. STAT1 is phosphorylated and downregulated by the oncogenic tyrosine kinase NPM-ALK in ALK-positive anaplastic large-cell lymphoma. *Blood.* 2015 Jul 16;126(3):336-45.
7. Bone KM, Argiropoulos B. A novel genetic syndrome caused by haploinsufficiency of CHD2, a regulator of chromatic structure. *J Down Syndr Chr Abnorm.* 2016 2:104.
8. Bone KM, Chernos JE, Perrier R, Innes AM, Bernier FP, McLeod R, Thomas MA. Mosaic trisomy 1q: a recurring chromosome anomaly that is a diagnostic challenge and is associated with a Frys-like phenotype. *Prenat Diagn.* 2017 Jun;37(6):602-10.
9. Bone K, MacPherson MJ, Chernos J, Lauzon J. Failure of NIPT to detect constitutional chromoanasythesis involving chromosome 21 in a case of fetal hydrops-A case report. *Clin Case Rep.* 2019 Nov;7(11):2165-2168. PMID: PMC6878046
10. Shponka V, Bone K, Nomani L, Hunt B. Fine-needle aspiration diagnosis of clonal extramedullary hematopoiesis in a case of myeloproliferative neoplasm. *Diagn Cytopathol.* 2022 Feb;50(2):E43-E46.
11. Miller LJ, Leventaki V, Harker-Murray PD, Drendel HM, Bone KM. A complex KMT2A::AFF3 fusion resulting from a three-way chromosomal rearrangement in pediatric B lymphoblastic leukemia. *Cancer Genet.* 2022 Apr;262-263:43-46.
12. Hopp AM, Tetzlaff JE, Kopidlansky K, Leventaki V, Parsons LN, Bone K, Drendel HM, Sreynich K, Lyvannak S, Heng S, Chanpheaktra N, Putchhat H, Khauv P, Camitta BM, Jarzembowski JA. It Takes a Village: Providing International Pediatric Pathology Services in a Resource-Limited Setting. *Am J Clin Pathol.* 2022 Jul 01;158(1):81-95.
13. Scheuermann A, Moskop A, Hopp A, Bone K, Drendel HM, Talano J, Harker-Murray P, Astle J. Pediatric Donor Cell Acute Lymphoblastic Leukemia Following Bone Marrow Transplant for GATA2 Mutation. *J Pediatr Hematol Oncol.* 2022 Jul 01;44(5):268-270.
14. Parashar D, Geethadevi A, Mittal S, McAlarnen LA, George J, Kadamberi IP, Gupta P, Uyar DS, Hopp EE, Drendel H, Bishop EA, Bradley WH, Bone KM, Rader JS, Pradeep S, Chaluvally-Raghavan P. Patient-Derived Ovarian Cancer Spheroids Rely on PI3K-AKT Signaling Addiction for Cancer Stemness and Chemoresistance. *Cancers (Basel).* 2022 Feb 15;14(4). PMID: PMC8870411
15. Correction: Parashar et al. Patient-Derived Ovarian Cancer Spheroids Rely on PI3K-AKT Signaling Addiction for Cancer Stemness and Chemoresistance. Parashar D, Geethadevi A, Mittal S, McAlarnen LA, George J, Kadamberi IP, Gupta P, Uyar DS, Hopp EE, Drendel H, Bishop EA, Bradley WH, Bone KM, Rader JS, Pradeep S, Chaluvally-Raghavan P. *Cancers (Basel).* 2022 May 16;14(10):2443. PMID: PMC9140135.
16. Sasu BJ, Opiteck GJ, Gopalakrishnan S, Kaimal V, Furmanak T, Huang D, Goswami A, He Y, Chen J, Nguyen A, Balakumaran A, Shah NN, Hamadani M, Bone KM, Prashad S, Bowen MA, Pertel T, Embree HD, Gidwani SG, Chang D, Moore A, Leonard M, Amado RG. Detection of chromosomal alteration after infusion of gene-edited allogeneic CAR T cells. *Mol Ther.* 2023 Mar 01;31(3):676-685. PMID: PMC10014221
17. Rademacher MJ, Faber ML, Bone KM, Medin JA, Schloemer NJ. Fate control engagement augments NK cell responses in LV/hu-IL-12 transduced sarcoma. *Exp Mol Pathol.* 2024 Jun;137:104898.
18. Guess T, Wheeler FC, Yenamandra A, Schilit SLP, Anderson HS, Bone KM, Carstens B, Conlin L, Dulik MC, Dupont BR, Fanning E, Gardner JA, Haag M, Hilton BA, Johnson J, Kogan J, Murry J, Polonis K, Quigley DI, Repnikova EA, Rowsey RA, Spinner N, Stoeker M, Thurston V, Wiley M, Zhang L. A multicenter analysis of individuals with a 47,XXY/46,XX karyotype. *Genet Med.* 2024 Oct;26(10):101212.

Books, Chapters, and Reviews

1. Bone, KM, Chernos, J, Thomas, MA. Part II: Constitutional Ring Chromosomes, Chapter: Ring Chromosome

4. In book: Li, P. and Liehr, T. (Eds). (2024). Human Ring Chromosomes: A Practical Guide for Clinicians and Families. Springer Cham.

Abstracts

1. Miller, LJ, Bodnar, C, Parsons, LN, Singh, R, Bone, KM.. Effects of EWSR1 Amplification on the Clinical and Histologic Behavior of Non-Ewing Sarcoma Soft Tissue Tumors JMD [Internet]. 2022 Oct. 24(10, Supplement) S1-S154.
2. Miller LJ, Saterbak A, Parsons LN, Singh R, Bone KM.. Atypical Presentation in Sclerosing Epithelioid Fibrosarcoma: A Case Report AJCP.158(Supplement_1):S38-S39.

Non-Peer Reviewed Educational Products

1. Bone, Katie on behalf of the ACMG Diversity, Equity and Inclusion Committee. Honoring Our Native Lands Training Resource. ACMG in Action May 2024 Ezine.