

Nationality: **Canadian**
Born: Jan. 11th, 1971 (Whitehorse, Yukon)
Languages: English and French

Department of Pathology, Dalhousie University
Rm 11G1, Sir Charles Tupper Building
5859 University Avenue, Halifax, NS B3H 4R2
Phone: (902) 494-4730
Fax: (902) 494-2519
E-mail: dellaire@dal.ca

PROFESSIONAL EXPERIENCE:

- 2016-** **Professor**, Departments of Pathology, and Biochemistry & Molecular Biology, Dalhousie University. Halifax, Canada
- 2016** **Visiting Associate Professor**, Department of Urology, University of British Columbia, Vancouver, Canada
- 2012-2016** **Associate Professor**, Departments of Pathology, and Biochemistry & Molecular Biology, Dalhousie University. Halifax, Canada
- 2010-** **Senior Scientist**, Beatrice Hunter Cancer Research Institute, Halifax, Canada
- 2007-2012** **Assistant Professor**, Departments of Pathology, and Biochemistry & Molecular Biology, Dalhousie University. Halifax, Canada
- 2006-2007** **Research Associate**, Programme in Genetics and Genome Biology, The Hospital for Sick Children, Toronto, Canada
- 2002-2006** **CIHR Senior Postdoctoral Fellow**, The Hospital for Sick Children, Toronto, Canada.
- 1999-2002.** **Postdoctoral Associate/MRC Scientific Staff**, MRC-Human Genetics Unit, Edinburgh, United Kingdom.
- 1998-2001.** **Scientific Consultant**, Procrea Bioscience Inc., Mount-Royal, Quebec, Canada
- 1993** **Research Assistant**, Terry Fox Laboratory, Vancouver, Canada
- 1992** **Research Assistant**, Medical Genetics, University of British Columbia.

EDUCATION:

- 1998** **Ph.D. Experimental Medicine** (Dean's Honor List)
Dept. of Medicine, Div. of Experimental Medicine, McGill University, Canada.
- 1993** **B.Sc. (Hon) Biochemistry & Molecular Biology** (First Class Honors)
University of British Columbia, Canada.

DISTINCTIONS

- 2007-** **Cameron Research Scientist of the Dalhousie Cancer Research Program**

AWARDS AND FELLOWSHIPS:

- 2013** Janigan Teaching Award, Dept. of Pathology, Dalhousie University
- 2009-2014** CIHR New Investigator Award
- 2007-2009** CIHR Senior Research Fellowship (Phase II)
- 2003-2005** CIHR Senior Research Fellowship (Phase I)
- 1999-2002** Medical Research Council of Canada Postdoctoral Fellowship
- 1997-1999** NSERC Post Graduate Scholarship (PGS B)
- 1996-1997** Hydro Quebec Fellowship
- 1994-1996** NSERC Post Graduate Scholarship (PGS A)
- 1993-1994** Honorary Fellow: Hydro Quebec Fellowship
- 1992-1993** B.C. Medical Foundation Studentship
- 1989-1990** B.C. Provincial Scholarship

A) PUBLICATIONS

Co-authors whom I supervised are underlined below.
(>3900 Citations; H-index: 32; i10-index: 49)
Google Scholar: <http://tinyurl.com/jrrqya9>)

Peer Reviewed

(Total: 71)

- 1) Huard, C.C., L. Bozoyan, D. Agudelo, S. Carter, A. Durringer, J. Loehr, M. Drouin, J. Salsman, **G. Dellaire**, J. Laganière, and Y. Doyon. (2017) "A marker-free co-selection strategy for high efficiency human genome engineering" **Nature Methods** (in press)
- 2) Salsman, J., LM Rapkin, NN Margam, R. Duncan, D.P. Bazett-Jones, **G. Dellaire**. (2017). "Myogenic differentiation triggers PML nuclear body loss and DAXX relocalization to chromocentres". **Cell Death & Disease** (in press)
- 3) Salsman, S., A. Stathakis, E. Parker, D. Chung, L. Anthes, K.L. Koskowich, S. Lahsaee, D. Gaston, K.R. Kukurba, K.S. Smith, I.C. Chute, D. Léger, L.D. Frost, S.B. Montgomery, S.M. Lewis, C. Eskiw, and **G. Dellaire**. (2017) "PML nuclear bodies contribute to the basal expression of the mTOR inhibitor DDIT4", **Scientific Reports** 7:45038
- 4) Ramdzan, Z.M., V. Ginjala, J.B. Pinder, D. Chung, C.M. Donovan, S. Kaur, L. Leduy, **G. Dellaire**, S. Ganesan, and A. Nepveu. (2017) "The DNA Repair Function of CUX1 Contributes to Radioresistance" **Oncotarget** (in press)
- 5) Buisson, R., N. Joshi, A. Rodrigue, C.K. Ho, J. Kreuzer, T.K. Foo, E.J.-L. Hardy, **G. Dellaire**, W. Haas, B. Xia, J.-Y. Masson, and L. Zou. (2017) "Coupling of Homologous Recombination and the Checkpoint by ATR" **Molecular Cell** 65(2):336-346
- 6) Salsman, J., and **G. Dellaire**. (2017) "Precision Genome Editing in the CRISPR era" **Biochemistry and Cell Biology** 29:1-15
- 7) Pauty, J., A. Couturier, A. Rodrigue, M. Caron, Y. Coulombe, **G. Dellaire** and J.-Y. Masson (2017) "Cancer-causing mutations in the tumour suppressor PALB2 reveals a novel cancer mechanism using hidden nuclear export signal in the WD40 repeat motif" **Nucleic Acids Research** (in press)
- 8) Couturier, A., H. Fleury, A-M. Patenaude, V. Bentley, Y. Coulombe, A. Rodrigue, N. Joshi, J. Pauty, J. Berman, **G. Dellaire**, J. di Noia, A-M. Mes-Masson, and J-Y. Masson. (2016) "Functions for APRIN (PDS5B) in homologous recombination and in ovarian cancer prediction". **Nucleic Acids Research** 44(22):10879-10897
- 9) George, C.J., **G. Dellaire**, and H.P.V. Rapasinghe. (2016) "Plant flavonoids in cancer chemoprevention: Role in genome stability". **The Journal of Nutritional Biochemistry** 45:1-14.
- 10) Kahn, I., B. Yoo, O. Masson, S. Baron, D. Corkery, **G. Dellaire**, L. Attardi, and K. Rosen. (2016) "ErbB2-dependent downregulation of a pro-apoptotic protein Perp is required for oncogenic transformation of breast epithelial cells." **Oncogene** 35(44):5759-5769

- 11) Lahsae S, D.P. Corkery, L.E. Anthes, A. Holly, J. Salsman, and **G. Dellaire** (2016) “*Estrogen receptor alpha (ESR1)-signalling regulates the expression of the taxane-response biomarker PRP4K.*” **Experimental Cell Research** 340(1):125-31
- 12) Wertman, J., C.J. Veinotte, **G. Dellaire**, J.N. Berman. (2016) “*The Zebrafish Xenograft Platform: Evolution of a Novel Cancer Model and Preclinical Screening Tool*”. **Adv Exp Med Biol** 916:289-314
- 13) Rajan, V., **G. Dellaire**, and J.N. Berman. (2016) “*Modeling Leukemogenesis in the Zebrafish Using*” Genetic and Xenograft Models. **Methods Mol Biol.** 1451:171-89
- 14) Orthwein, A., S.M. Noordermeer, M.D. Wilson, S. Landry, R.I. Enchev, A. Sherker, M. Munro, J. Pinder, J. Salsman **G. Dellaire**, B. Xia, M. Peter, and D. Durocher. (2015) “*Induction of homologous recombination in G1 cells*” **Nature** 528(7582):422-6
- 15) *Pinder, J., J. Salsman, and **G. Dellaire**. (2015). “*Nuclear domain “knock-in” screen for the evaluation and identification of small molecule enhancers of CRISPR-based genome editing*” **Nucleic Acids Research** 43(19):9379-92* *Journal Cover*
- 16) Chung, D., and **G. Dellaire** (2015) “*The Role of the COP9 Signalosome and Neddylation in DNA Damage Signaling and Repair*”. **Biomolecules** 5(4):2388-416
- 17) Corkery, D., A. Holly, S. Lahsae, and **G. Dellaire**. (2015). “*Connecting the Speckles: Splicing kinases and their role in tumorigenesis and treatment response*” **Nucleus** 6(4):279-88
- 18) El-Naggar, A.M., C.J Veinotte, H. Cheng, T.G.P. Grunewald, G. Luca Negri, S. Prakash Somasekharan, D.P. Corkery, F. Tirode, J. Mathers, D. Khan, A.H Kyle, J.H Baker, N.E. LePard, S.McKinney, S.Hajee, M. Bosiljcic, G. Leprivier, C.E. Tognon, A.I. Minchinton, K.L. Bennewith, O.Delattre, Y. Wang, **G. Dellaire**, J.N. Berman, and P.H. Sorensen. (2015) “*Translational activation of HIF1a by YB-1 promotes sarcoma metastasis*”. **Cancer Cell** 27(5):682-97
- 19) *Corkery, D.P., L. Meunier , C. Le Page , D.M. Provencher , A-M Mes-Masson and **G. Dellaire** (2015) “*PRP4K is a novel Her2-regulated biomarker of taxane sensitivity*” submitted to **Cell Cycle** 14(7):1059-69 * *Journal Cover*
- 20) Kalouisi, A., A-S. Hoffbeck, P. Selemenakis, J. Pinder, K.I. Savage, K.K. Khanna, L. Brino, **G. Dellaire**, V.G. Gorgoulis, and E. Soutoglou (2015) “*The nuclear oncogene SET controls DNA repair by KAP1 and HP1 retention on chromatin*”. **Cell Reports** pii: S2211-1247(15)00257-0
- 21) Sidik, S., J. Salsman, **G. Dellaire**, and J. Rohde (2015) “*Shigella infection interferes with SUMOylation and increases PML-NB number*”. **PLoS ONE** 10(4):e0122585

- 22) Bentley, V., C. Veinotte, D. Corkery, J. Pinder, M.A. Leblanc, K. Bedard, A.P Weng, J.N. Berman*, and G. Dellaire* (2015) "*Focused chemical genomics using zebrafish xenotransplantation as a preclinical therapeutic platform for T-cell acute lymphoblastic leukemia*" **Haematologica** 100(1):70-6 *Co-corresponding authors.
- 23) Klement, K., M.S. Luijsterburg, J. Pinder, C.S. Cena, V. Del Nero¹, C.M. Wintersinger, G. Dellaire, H. van Attikum, A.A. Goodarzi. (2014) "*Opposing ISWI- and CHD-class chromatin remodeling activities orchestrate heterochromatic DNA repair*" **J. Cell Biology** 207(6):717-733
- 24) Lemaître, C., A. Grabarz, K. Tsouroula, L. Andronov, A. Furst, T. Pankotai, V. Heyer, M. Rogier, K.M. Attwood, P. Kessler, G. Dellaire, B. Reina-San-Martin, and E. Soutoglou (2014) "*Nuclear position dictates DNA repair pathway choice*" **Genes & Development** 28(22):2450-63
- 25) Liu, Y., A. Asnani, L. Zou, V.L. Bentley, M. Yu, Y. Wang, G. Dellaire, K.S. Sarkar, M. Dai, H.H. Chen, D.E. Sosnovik, J.T. Shin, D.A. Haber, J.N. Berman, W. Chao, and R.T. Peterson (2014) "*Visnagin protects against doxorubicin-induced cardiomyopathy through modulation of mitochondrial malate dehydrogenase*" **Science Translational Medicine** 6(266):266ra170.
- 26) Stairs, C.W., L. Eme, L., M.W. Brown, C. Mutsaers, E. Susko, G. Dellaire, D. Soanes, M. van der Giezen, and A.J. Roger (2014) "*A mitochondrial sulfur mobilization (SUF) system in the anaerobe Pygsuia*". **Curr. Biol.** 24(11):1176-86
- 27) Veinotte, C, G. Dellaire, and J. N. Berman (2014) "*Hooking the Big One: The potential of zebrafish xenotransplantation to reform cancer drug screening in the genomic era*" **Disease Models and Mechanisms.** 7(7):745-54
- 28) Salsman, J., J. Pinder, B. Tse, D. Corkery, and G. Dellaire (2013) "*The translation initiation factor 3 subunit eIF3K interacts with PML and associates with PML nuclear bodies*". **Exp Cell Res.** 319(17):2554-65
- 29) Hawco, C.L.A., E. Marchal, I. Uddin, A.E.G. Baker, D.P. Corkery, G. Dellaire*, A. Thompson* (2013) "*Synthesis and biological evaluation of prodigiosene conjugates of porphyrin, estrone and 4-hydroxytamoxifen*" **Bioorganic & Med. Chem.** 21(19):5995-6002 *Co-corresponding authors.
- 30) Soares, I.N., F.A. Caetano, J. Pinder, B. Roz Rodrigues, F.H. Beraldo, V.G. Ostapchenko, C. Durette, G. Schenatto Pereira, M.H. Lopes, N. Queiroz-Hazarbassanov, I.W. Cunha, P.I. Sanematsu, S. Suzuki, L.F. Bleggi-Torres, C. Schild-Poulter, P. Thibault, G. Dellaire, V.R. Martins, V.F. Prado, M.A. Prado. (2013) "*Regulation of stress-inducible phosphoprotein 1 nuclear retention by PIAS1*" **Mol Cell Proteomics.** 12(11):3253-70
- 31) *Pinder, J.B., K. Attwood, and G. Dellaire (2013) "*Reading, writing, and repair: the role of ubiquitin and the ubiquitin-like proteins in DNA damage signaling and repair*" **Frontiers in Genetics** 4:45 *Highlighted by **Nature Reviews Genetics** News Letter (Sept. 2013).

- 32) Langelan D.N., T. Reddy, A.M. Banks, **G. Dellaire**, D.J. Dupré, and J.K. Rainey (2013) "*Structural features of the apelin receptor N-terminal tail and first transmembrane segment implicated in ligand binding and receptor trafficking*" **Biochim Biophys Acta**. 1828(6):1471-83.
- 33) *Smithen, D.A., A.M. Forrester, D.P. Corkery, **G. Dellaire**, J. Colpitts, S.A. McFarland, J.N. Berman and A. Thompson (2013) "*Preliminary Investigations Regarding the Utility of Prodigiosenes to Target Leukemia.*" **Organic & Biomolecular Chemistry** 11(1):62-8
*Cover or Org. Biomol. Chem.
- 34) Andrin C., D. McDonald, K. Atwood, A. Rodrigue, S. Ghosh, R. Mirzayans, J.Y. Masson, **G. Dellaire**, and M.J. Hendzel (2012) "*A Requirement for polymerized actin in DNA double strand break repair.*" **Nucleus**. 3(4):384-95.
- 35) Konantz, M., T.B. Balci, U.F. Hartwig, **G. Dellaire**, M.C. Andre, J.N. Berman and C. Lengerke. "*Zebrafish xenografts as a tool for in vivo studies on human cancer.*" **Annals of New York Academy of Sciences** 1266(1):124-137.
- 36) *Salsman, J., M. Jagannathan, P. Paladino, P.-K. Chan, **G. Dellaire**, B. Raught, and L. Frappier (2012) "*Proteomic profiling of the human cytomegalovirus UL35 gene products reveals a role for UL35 in the DNA repair response*" **J. Virol.** 86(2):806-20 *Cover of JVI
- 37) Kuang, Y.Q., N. Charette, J. Frazer, P.J. Holland, K.M. Attwood, **G. Dellaire**, and D.J. Dupré. (2012) "*Dopamine Receptor-Interacting Protein 78 Acts as a Molecular Chaperone for CCR5 Chemokine Receptor Signaling Complex Organization.*" **PLoS ONE**. 7(7):e40522
- 38) Xavier, A.C., H. Edwards, A.A. Dombkowski, T.B. Balci, J.N. Berman, **G. Dellaire**, C. Xie, S.A. Buck, L.H. Matherly, Y. Ge, and J.W. Taub. (2011) "*A unique role for GATA1 in Down Syndrome acute megakaryocytic leukemia biology and therapy*" **PLoS ONE** 6(11):e27486
- 39) Bauer, D.C., K. Willadsen, F.A. Buske, K. LeCao, T.L. Bailey, **G. Dellaire**, and M. Bodén. (2011) "*Sorting the nuclear proteome*" **Bioinformatics** 27(13):i7-i14
- 40) Corkery D., ***G. Dellaire**, and *J. Berman (2011) "*Leukemia Xenotransplantation in Zebrafish- Chemotherapy Response assay in vivo*" **Br. J. Haematol.** 153(6):786-789
*Co-corresponding authors.
- 41) Cann, K.L., and **G. Dellaire**.(2011) "*Heterochromatin and the DNA damage response: the need to relax.*" **Biochem Cell Biol.** 89(1):45-60
- 42) *Kepkay, R., K. Attwood, Y. Ziv, Y. Shiloh, and **G. Dellaire** (2011) "*KAP1 depletion increases PML nuclear body number in concert with ultrastructural changes in chromatin*" **Cell Cycle** 10(2):308-322 * Subject of two News & Views articles: Hemmerich, 2011 Cell Cycle; Salomoni, 2011 Cell cycle

- 43) Boden, M., **G. Dellaire** and T.L. Bailey (2010) "*A Bayesian network model of proteins' association with Promyelocytic leukemia (PML) nuclear bodies*" **J. Comp. Biol.** 17(4):617-30.
- 44) Cann, K and **G. Dellaire** (2010). "*The nucleolus as a biomarker in cancer: past and future*". **Can. J. Pathology** 2(1):30-34.
- 45) ***Dellaire, G.**, R. Kepkay, D.P. Bazett-Jones (2009) "*High resolution imaging of changes in the structure and spatial organisation of chromatin, γ -H2A.X, and the MRN complex within etoposide-induced DNA repair foci*" **Cell Cycle** 8(22): 3750-3769. *(Cover of Cell Cycle; and News & Views by van Gent and Jan H.J. Hoeijmakers (2009) Cell Cycle 8(23):3813-3815)
- 46) **Dellaire, G.**, and D.P. Bazett-Jones (2007) "*Beyond Repair Foci: Subnuclear Domains and the Cellular Response to DNA Damage.*" **Cell Cycle.** 6(15): 1864 – 1872.
- 47) **Dellaire, G.**, R. Ching, K. Ahmed, K. Tse, F. Jalali, R.G. Bristow, and D.P. Bazett-Jones. (2006a) "*PML nuclear bodies are DNA damage sensors whose response to DNA double-strand breaks is regulated by NBS1, Chk2 and ATR*". **J. Cell Biol.** 175(1):55-66
- 48) Block, G., C.H. Eskiw, **G. Dellaire**, and D.P. Bazett-Jones.(2006) "*Transcriptional regulation is affected by subnuclear targeting of reporter plasmids to PML nuclear bodies*" **Mol. Cell Biol.** 26(23):8814-8825.
- 49) Morrison, A., J. Venables, **G. Dellaire**, and M. Ladomery (2006) "*The Wilms tumour suppressor protein WT1 (+KTS isoform) binds α -actinin-1 mRNA via its zinc-finger domain*". **Bioch. Cell Biol.** 84(5):789-798.
- 50) ***Dellaire, G.**, R. Ching, H. Dehghani, Y. Ren and D.P. Bazett-Jones. (2006b) "*PML nuclear bodies increase in number in early S-phase by a fission mechanism*". **J. Cell Sci.** 119(6):1026-1033. (*article highlighted by JCS).
- 51) ***Dellaire, G.**, C.H. Eskiw, H. Dehghani, R. Ching, and D.P. Bazett-Jones. (2006c) "*Mitotic Accumulations of PML protein (MAPPs) contribute to the post-mitotic re-establishment of PML nuclear bodies*". **J. Cell Sci.** 119(6):1034-1042. (*article highlighted by JCS).
- 52) *Kruhlak, M.J., A. Celeste, **G. Dellaire**, O. Fernandez-Capetillo, W.G. Müller, J.G. McNally, D.P. Bazett-Jones, and A. Nussenzweig. (2006) "*Changes in chromatin structure and mobility in living cells at sites of DNA double-strand breaks*" **J. Cell Biol.** 172(6):823-34 (*Highlighted by JCB, reviewed by the Faculty of 1000)
- 53) *Al Rashid, S.T., **G. Dellaire**, F. Jalali, M. Vaid, M. Folkard, Y. Xu, D.J. Chen, L. Lilge, K.M. Prise, D.P. Bazett-Jones, and R.G. Bristow. (2005) "*Evidence for the direct binding of phosphorylated p53 to sites of DNA breaks In vivo*". **Cancer Res.** 65(23):10810-10821 *(Cover of Cancer Res.)

- 54) Ching, R.W., **G. Dellaire**, C.H. Eskiw and D.P. Bazett-Jones (2005) “PML nuclear bodies: a meeting place for genomic loci?”, **J. Cell Sci.** 118(5):847-854.
- 55) Dehghani, H, **G. Dellaire**, and D.P. Bazett-Jones (2005) “Organisation of chromatin in the interphase mammalian cell”. **Micron** 36(2):95-108.
- 56) Hake, Sandra B., B.A. Garcia, E.M. Duncan, M. Kauer, **G. Dellaire**, J. Shabanowitz, D.P. Bazett-Jones, C.D. Allis, and D.F. Hunt. (2005)“*Expression patterns and post-translational modifications associated with mammalian histone H3 variants.*” **J. Biol. Chem.** 281(1):559-568
- 57) ***Dellaire, G.** and D.P. Bazett-Jones (2004) “*PML nuclear bodies: Dynamic sensors of DNA damage and cellular stress*”. **Bioessays** 26(9):963-977. (*Cover of Bioessays)
- 58) ***Dellaire, G.**, R. Nisman, C.H. Eskiw and D.P. Bazett-Jones. (2004) “*In situ imaging and isolation of proteins using dsDNA oligonucleotides*”. **Nucl. Acids Res.** 32(20):e165. (*Top ranked NAR methods article in the issue; Highlighted by Nanoprobes E-News 5(12), Dec. 17, 2004).
- 59) Eskiw, C.H., **G. Dellaire**, and D.P. Bazett-Jones. (2004) “*Chromatin contributes to structural integrity of PML bodies through a SUMO-1-independent mechanism*”. **J. Biol. Chem.** 279(10):9577-9585
- 60) *Nisman, R., G. Dellaire, Y. Ren and D.P. Bazett-Jones (2004) “Application of quantum dots as probes for correlative fluorescence, conventional and energy filtered transmission electron microscopy.” **J. Histochem. Cytochem.** 52(1):13-19 (*Top 5 article for 2004 in JHC, reviewed by the Faculty of 1000)
- 61) *Eskiw, C.H., **G. Dellaire**, J.S. Mymryck and D.P. Bazett-Jones. (2003) “*Size, position and dynamic behaviour of PML nuclear bodies following cell stress as a paradigm for supramolecular trafficking and assembly*”. **J. Cell Sci.** 116(21): 4455-4466. (*article highlighted by JCS, cover caption).
- 62) Bazett-Jones, D.P., C.H. Eskiw, **G. Dellaire** and R. Nisman (2003) “Correlative fluorescence and electron spectroscopic imaging of nuclear bodies and domains” **Micro. Microanal.** 9(S2):236-237
- 63) ***Dellaire, G.**, R. Farrall, and W.A. Bickmore. (2003) “*The Nuclear Protein Database (NPD): Subnuclear localization and functional annotation of the nuclear proteome*”. **Nucl. Acids Res** 31(1):328-330. (*reviewed by Nat. Rev. Genet., J. Cell Sci. and Science)
- 64) Collins, N., Garcia-Jimenez, N., I. Kukimoto, C. Garcia-Jimenez, **G. Dellaire**, and P. D. Varga-Weisz (2002) “*ACF1 chromatin remodeling factor is essential for DNA replication in mammalian cells.*” **Nat. Genet.** 32(4):627-632. (*highlighted by Nat. Genet., reviewed by the Faculty of 1000)

- 65) Lodomery, M. and **G. Dellaire**. (2002) "*Multifunctional zinc finger proteins in development and disease*". **Annals of Human Genetics** 66(6):331-342
- 66) **Dellaire, G.**, E. M. Makarov, J.J. Cowger, D. Longman, H.G.E. Sutherland, R. Luhrmann, J. Torchia and W.A. Bickmore. (2002a) "*Mammalian PRP4 kinase copurifies and interacts with components of both the U5 snRNP and the N-CoR deacetylase complexes*". **Mol. Cell. Biol.** 22(14):5141-5156
- 67) ***Dellaire, G.**, J. Yan, K. Little, R. Drouin and P. Chartrand. (2002b) "*Evidence that extrachromosomal and chromosomal double-strand break repair are coupled in mammalian cells*". **Chromosoma** 111(5):304-312 (*Cover of Chromosoma)
- 68) Sutherland, H.G.E., G. Mumford, K. Newton, R. Farrall, **G. Dellaire**, J. Cáceres and W. A. Bickmore. (2001) "*Large-scale identification of proteins localised to sub-nuclear compartments in the mouse*". **Hum. Mol. Genet.** 10(18):1995-2011.
- 69) Poot, R.A., **G. Dellaire**, B. Hulsmann, M.A. Grimaldi, D.F.V. Corona, P.B. Becker, W.A. Bickmore, and P.D. Varga-Weisz (2000) "*HuCHRAC, a human ISWI chromatin-remodelling complex contains hACF1 and two histone-fold proteins*". **EMBO J.** 19(13):3377-3387
- 70) **Dellaire, G.** and P. Chartrand (1998) "*Direct evidence that transgene integration is random at megabase resolution in murine cells implying that naturally occurring double strand breaks may be distributed similarly within the genome*". **Radiat. Res.** 149(4):325-329.
- 71) **Dellaire, G.**, N. Lemieux, A. Belmaaza, P. Chartrand. (1997) "*Ectopic gene targeting exhibits a bimodal distribution of integration in murine cells indicating both intra and interchromosomal sites are accessible to the targeting vector*". **Mol. Cell. Biol.** 17(9):5571-5580

BOOKS

- 1) The Functional Nucleus. (2016) **Eds. Dellaire** and Bazett-Jones. Springer DE. ISBN: 978-3-319-38882-3
- 2) Cancer Genomics: From bench to personalized medicine. (2014) **Eds. Dellaire**, Berman, Arceci. Elsevier. ISBN: 0123969670

BOOK CHAPTERS

- 1) Wertman, J., C.J. Veinotte, G. Dellaire, and J.N. Berman. (2016) "The zebrafish xenograft platform: evolution of a novel cancer model and preclinical screening tool." In Cancer and Zebrafish: Mechanisms, Techniques, and Models. David M. Langenau (Ed.) Springer.
- 2) Cochrane, D.R., D. Lin, **G. Dellaire**, E.C. Halvorsen, J.N. Berman, Y. Wang, D.G. Huntsman, and Kevin L Bennewith (2015) "*Animal Models of Metastasis*" In Genomic Instability and Cancer Metastasis: Mechanisms, emerging themes, and novel therapeutic strategies. Eds. C. Maxwell and C. Roskelley. Springer

- 3) **Dellaire, G.**, and R. Arceci (2014) "*Historical Perspective and Current Challenges of Cancer Genomics*" p. 4-8 chapter in Cancer Genomics: From bench to personalized medicine Eds. **Dellaire**, Berman, Arceci. Elsevier.
- 4) Berman, J.N., P.P.L. Chiu, and **G. Dellaire** (2014) "*Preclinical Animal Models for Cancer Genomics*" p. 110-126 chapter in Cancer Genomics: From bench to personalized medicine Eds. **Dellaire**, Berman, Arceci. Elsevier.
- 5) Bydoun, M., P. Marcato, and **G. Dellaire** (2014) "*Breast Cancer Genomics*" p. 214-229 chapter in Cancer Genomics: From bench to personalized medicine Eds. **Dellaire**, Berman, Arceci. Elsevier.
- 6) Cann, K., S. Huang, and **G. Dellaire** (2011) "*Nuclear subdomains and cancer*" p. 1-58 chapter in Advances in Nuclear Architecture Eds. Adams and Freemont. Springer.
- 7) Corkery, D., Cann, K., and **G. Dellaire** (2011) "*Nuclear subdomains*". p 393-414 chapter in Cellular Domains Ed. Nabi , Wiley.
- 8) **Dellaire, G.** (2010) "*Cancer biomarkers: What are they and when do we use them?*", commissioned supplemental essay for the text book p. 37-40, In Campbell and Reece (Eds.), Biology, Pearson Inc./Benjamin Cummings
- 9) **Dellaire, G.**, R. Nisman and D. P. Bazett-Jones (2003) "*Correlative Light and Electron Spectroscopic Imaging of Chromatin In situ*". In C. Wu (Ed) Methods in Enzymology (vol 375, pp. 456-478), Amsterdam, Elsevier Inc.
- 10) **Dellaire, G.** (2001), "*Genetic Disease*". In H.-J. Rehm and G. Reed (Eds) Biotechnology (vol 5b, pp. 61-99), 2nd Ed., Weinheim, WILEY-VCH.

NON-REFEREED LITERARY WORKS

- 1) **Dellaire, G.** (2001) "*Canadian Diaspora Series, Part 4: Postcards from Scotland*", Science's NextWave (nextwave.sciencemag.org). Series Editor Lesley McKarney.
- 2) **Dellaire, G.** (2001) "*CanOasis: Views of Canadian Researchers Abroad*", Science's NextWave (nextwave.sciencemag.org).

PATENTS

- 1) **Methods for measuring cell response to DNA damaging agents using promyelocytic leukemia protein nuclear bodies**

US provisional patent application: 20100248226

Inventors: **Graham Dellaire**, David Bazett-Jones

- 2) **Methods of in situ detection of proteins using aptamers.**

US patent application: 20070134665

Inventors: **Graham Dellaire**, David Bazett-Jones

3) **A method to map and isolate regions of chromosomes that interact or associate functionally within or between chromosomes *in vivo***

USA patent **No. 6342354, PCT No. WO9855610**

Issued: January 29, 2002

Inventors: Pierre Chartrand, **Graham Dellaire**

PUBLISHED TECHNICAL PAPERS

- 1) Fraser, K., **G. Dellaire***, and D. Arnold* (2014) “*Projected Barzilai-Borwein Method with infeasible iterates for nonnegative image deconvolution*”. **Conference on Computer and Robot Vision** *Co-corresponding author and co-supervisor of KF.

PUBLISHED ABSTRACTS - CONFERENCE PROCEEDINGS

- 1) Kung, S., K. Enfield, D. Rowbotham, E. Marshall, A. Holly, A., C. Pastrello, B. Minatel, **G. Dellaire**, J. Berman, I. Jurisica, C. Macaulay, S. Lam, and W. Lam (2017) "*Expression of miR-106 Paralogs Improves Prognostic Value of Mesenchymal Signatures but Only miR-106b Promotes Invasiveness.*" **J. Thoracic Oncology** 12(1): S799.
- 2) Lobbardi R, J Pinder, B Martinez-Pastor, J Blackburn, BJ Abraham, M Mansour, NS Abdelfattah, A Molodtsov, G Alexe, D Toiber, M de Waard, E Jain, D Bhare, K Shah, A Gutierrez, K Stegmaier, LB Silverman, R Sadreyev, J Asara, AT Look, RA Young, R Mostoslavsky, **G. Dellaire**, and DM Langenau. (2016) “*Thymocyte selection-associated HMG box protein (TOX) induces genomic instability in T-cell acute lymphoblastic leukemia*”. **Cancer Research** 76 (Supplement 14):3583
- 3) Enfield KSS, DA Rowbotham, A Holly, C Anderson, KW Ng, B de Carvalho Minatel, **G. Dellaire**, C Pastrello, I Jurisica, C MacAulay, S Lam, and WL Lam. (2016) “*MiR-106a and miR-106b affect growth and metastasis of lung adenocarcinoma*” **Cancer Research** 76 (Supplement 6):A21
- 4) Rajan V, N Melong, CJV Campbell **G Dellaire**, JN Berman. (2015) “*Fishing with a Transgenic Line: Using Zebrafish to Elucidate Mechanisms and Therapeutics in NUP98-NSD1 AML*” **Blood** 126(23):1638
- 5) Filiaggi C, AP Deveau, S Prykhozhiy, **G Dellaire**, JN Berman. (2015) “*A Humanized Zebrafish Transplant Model Expressing CXCL12 Provides an Enhanced In Vivo Therapeutic Screening Platform for T-ALL*” **Blood** 126(23):4273
- 6) Lobbardi, R., J. Pinder, B. Martinez-Pastor, J.S. Blackburn, N. Abdelfattah, D.Toiber, M. De Waard, J.M. Asara, R. Mostoslavsky, **G. Dellaire**, and D.M. Langenau (2014) "*Thymocyte Selection-Associated High-Mobility Group Box Protein (TOX) Induces Genomic Instability in T-Cell Acute Lymphoblastic Leukemia*" **Blood** 124(21):475

- 7) Chor Kin Tse, K., Harding, S., Jalali, F., Kumareswar, R., Bristow, R.G., Ahmed, K., Bazett-Jones, D.P., & **Dellaire, G.** (2013). "PML nuclear bodies are juxtaposed to DNA-DSBs following IR-induced DNA damage". **IAEA/INIS, Berder Meeting - Biology of ionizing radiation - Booklet**, (p. 33). France
- 8) Hagerty M., C. Veinotte, **G. Dellaire**, and J.N. Berman (2013) "Zebrafish xenotransplantation as a model to predict tumour radiosensitivity." **Radiotherapy and Oncology** 108(1):S18.
- 9) Forrester, A.M., D.A. Smithen, D. Corkery, **G. Dellaire**, J.N. Berman, and A. Thompson (2012) Abstract 4258: "In vivo anti-leukemia activity of novel C-ring modified prodigiosenes in a zebrafish xenograft model". **Cancer Res.** 72(8):supplement 1
- 10) Corkery. D.A., T.B. Balci, J.N. Berman, and **G. Dellaire**. (2012) Abstract 4251: "Evaluating novel targeted therapeutic agents in T-cell acute lymphoblastic leukemia using a zebrafish xenotransplantation model". **Cancer Res.** 72(8):supplement 1
- 11) Veinotte, C.J., D. Corkery, **G. Dellaire**, A. El-Naggar, K. Sinclair, M.L. Bernstein, P.B. Sorensen, and J.N. Berman. (2012) Abstract 1398: "Using zebrafish xenotransplantation to study the role of Y-Box binding protein (YB-1) in the metastasis of Ewing family tumors". **Cancer Res.** 72(8):supplement 1
- 12) **Dellaire, G.**, R. Kepkay, K.L. Cann, and D.P. Bazett-Jones. (2011) "The inter-relationship between DNA damage signaling and chromatin: insights from high resolution imaging." **Biochemistry and Cell Biology** 89(1):76
- 13) Corkery, D., **G. Dellaire**, and J.N. Berman. (2010) "Human Leukemia Xenotransplantation Into Zebrafish Embryos as An In Vivo Assay for Chemotherapy Drug Response." **Blood** 116(21): 714
- 14) Bazett-Jones D.P., **G. Dellaire**, and R. Ching (2006) "Functional organisation of the cell nucleus: Insights from correlative fluorescence and electron spectroscopic imaging " **Scanning.** 28(2):97-98
- 15) Rashid, S.A., **G. Dellaire**, A. Cuddihy, C. Arrowsmith, L. Lilge, K. Prise, D.P. Bazett-Jones, and R. Bristow (2004) "p53 domains necessary for recruitment to sites of DNA damage in vivo". **Radiation Therapy and Oncology.** 72:S28-S28
- 16) Sauvageau, G., **G. Dellaire**, P. Lansdorp, V. Dragowska and R.K. Humphries. (1993) "Expression of protein tyrosine phosphatases in primitive human hematopoietic cells". **Blood** 82(10):A104

ABSTRACTS AND COMMUNICATIONS

Co-authors whom I supervised are underlined below
(* indicates oral presentations)

- 1) Anthes, L.E., J. Salsman, and **G. Dellaire** (June, 2017). "*Characterizing metformin treatment response and sensitivity biomarkers in breast cancer.*" **EACR-AACR-SIC Special Conference 2017 - The Challenges of Optimizing Immuno- and Targeted Therapies : From Cancer Biology to the Clinic**, Florence, Italy.
- 2) Gawron, N., and **G. Dellaire** (Feb 11, 2017) "*Effects of Promyelocytic Leukemia (Pml) Expression Loss On Breast Cancer Cell Growth and Stemness*" **31st Annual Cameron Conference in Biology and Marine Biology**, Halifax, Canada.
- 3) Couturier A.M., R. Buisson, A. Rodrigue, J. Pauty, N. Joshi, M.C. Caron, Y. Coulombe, **G. Dellaire**, L. Zou and *J.Y. Masson (Jan. 8-13, 2017) "*Regulation of the tumor suppressor PALB2: A critical player for homologous recombination at a CRISPR/Cas9-induced DNA double-strand break*" *Platform presentation by J.Y. Masson. **Keystone Symposium on Precision Genome Engineering**, Breckenridge, USA
- 4) Enfield, K.S.S., D.A. Rowbotham, A. Holly, C. Anderson, K.W. Ng, B. de Carvalho Minatel, **G. Dellaire**, C. Pastrello, I. Jurisica, C. MacAulay, S. Lam, and W.L. Lam (Dec 4-7, 2016) "*Overexpression of miR-106a and miR-106b improves the prognostic valude of mesenchymal lung adenocarcinoma*" **IASLC 17TH World Conference on Lung Cancer**, Vienna, Austria
- 5) *Anthes, L., J. Salsman, and **G. Dellaire** (Nov 7-8, 2016) "*Characterizing Metformin Response and Sensitivity Biomarkers In Breast Cancer*" **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada. *Platform presentation by L.A.
- 6) Chung, D., and **G. Dellaire** (Nov 7-8, 2016) "*Intracellular Localization of the COP9 Signalosome Subunits and the effect in the DNA Damage Response*" **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada
- 7) Bolous, Y., S. Gebremeskel, J. Salsman, **G. Dellaire** and B. Johnston (Nov 7-8, 2016) "*Knockdown of the Promyelocytic Leukemia Protein in a Murine 4T1 Breast Cancer Model Promotes Tumor Growth and Proliferation*" **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada
- 8) Salsman, J., A. Stathakis, E. Parker, D. Chung, L. Anthes, K.L. Koskowich, S. Lahsae, D. Gaston, K.R. Kukurba, K.S. Smith, I.C. Chute, D. Léger, L.D. Frost, S.B. Montgomery, S.M. Lewis, C. Eskiw, and **G. Dellaire**. (Nov 7-8, 2016) "*PML regulates DDIT4 gene expression*" **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada
- 9) Chung, D., K. Koskowich, J. Pinder, J. Salsman, S. O'Brien, C. McCormick and **G. Dellaire** (Nov 7-8, 2016) "*Kaposi's Sarcoma Virus Protein ORF45 interacts with Promyelocytic Leukemia Protein*" **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada

- 10) Amaranathna, D.I.M, D. Chung, **G. Dellaire**, D.W. Hoskin, M. Johnston and H.P.V. Rupasinghe. (June 28, 2016) Flavonoid-rich Haskap berry extracts prevent NNK-induced DNA double strand breaks in lung epithelial cells. **Summit for Cancer Immunotherapy**. Halifax, Canada.
- 11) Rajan, V., N. Melong, C.J.V. Campbell, **G. Dellaire** and J.N Berman (Dec 5-8, 2015) "*Enhanced In vivo Therapeutic Screening Platform for T-ALL*" **57th Annual American Society of Hematology (ASH) Meeting**, Orlando, USA
- 12) Filiaggi, C., A.P. Deveau, S. Prykhozhij, **G. Dellaire** and J.N. Berman (Dec 5-8, 2015) "Fishing with a Transgenic Line: Using Zebrafish to Elucidate Mechanisms and Therapeutics in NUP98-NSD1 AML" **57th Annual American Society of Hematology (ASH) Meeting**, Orlando, USA
- 13) Rajan, V., N. Melong, C.J.V. Campbell, **G. Dellaire** and J. Berman (Dec 5-8, 2015) "*Enhanced In vivo Therapeutic Screening Platform for T-ALL*" **57th Annual American Society of Hematology (ASH) Meeting**, Orlando, USA
- 14) Enfield, K.S.S., D.A. Rowbotham, A. Holly, C. Anderson, K.W. Ng, B. de Carvalho Minatel, **G. Dellaire**, C. Pastrello, I. Jurisica, C. MacAulay, S. Lam, and W.L. Lam (Dec 4-7, 2015) "*MiR-106a and miR-106b affect growth and metastasis of lung adenocarcinoma*" **AACR Special Conference on Noncoding RNAs and Cancer: Mechanisms to Medicines** Boston, USA
- 15) Anthes, L.E., J. Salsman, V.L. Bentley, and **G. Dellaire** (Nov 8-11, 2015). "*Characterizing the mechanisms of metformin response in breast cancer*" **Canadian Cancer Conference**, Montreal, Canada
- 16) Attwood, K.L., and **G. Dellaire** (Nov 8-11, 2015). "*The effect of chromatin structure and subnuclear localization of a DNA break on the progress of DNA repair*" **Canadian Cancer Conference**, Montreal, Canada
- 17) Corkery, D.P., S. Gebremeskel, B. Johnston, and **G. Dellaire** (Nov 8-11, 2015). "*PRP4K: a mediator of chemoresistance and acites development in ovarian cancer*" **Canadian Cancer Conference**, Montreal, Canada
- 18) Holly, A., M. MacDonald, D.P. Corkery, J.N. Berman, A. Zoubeidi, and **G. Dellaire** (Nov 8-11, 2015). "*Zebrafish Xenograft: A model for Prostate Cancer*" **Canadian Cancer Conference**, Montreal, Canada
- 19) Salsman, J., J. Pinder, and **G. Dellaire** (Nov 8-11, 2015). "*Editing the promyelocytic leukemia gene using Cas9/CRISPR technology*" **Canadian Cancer Conference**, Montreal, Canada
- 20) Pringle, E.S., A.J. Coombs, C. Veinotte, C.A. Robinson, M.N. Ha, **G. Dellaire**, J.N. Berman and C. McCormick. (Nov 8-11, 2015). "*A zebrafish model for primary effusion lymphoma*" **Canadian Cancer Conference**, Montreal, Canada

- 21) Rajan, V., S. Prykhozhij, A. Pandey, J. Rainey, **G. Dellaire**, and J.N. Berman (Nov 8-11, 2015). "*A zebrafish model for primary effusion lymphoma*" **Canadian Cancer Conference**, Montreal, Canada
- 22) Veinotte C.J., N. Melong, A. El-Naggar, B. Crompton, **G. Dellaire**, K. Stegmaier, P.H.B. Sorensen, and J.N. Berman (Nov 8-11, 2015). "*Using zebrafish to investigate molecular players influencing Ewing's Sarcoma proliferation and metastasis*" **Canadian Cancer Conference**, Montreal, Canada
- 23) Wertman, J., B. Razaghi, S. Prykhozhij, **G. Dellaire**, P.H.B. Sorensen, M. Irwin, and J.N. Berman (Nov 8-11, 2015). "*Investigation of the role of the HACE1 tumour suppressor in high-risk pediatric neuroblastoma*" **Canadian Cancer Conference**, Montreal, Canada
- 24) Holly, A., M. MacDonald, D. Corkery, J.N. Berman and **G. Dellaire** (June 8th, 2015) "*Zebrafish xenograft: A Model for Prostate Cancer*" **4th North Atlantic Zebrafish Research Symposium**, Halifax, Canada
- 25) Hall, S.R., J. Toulany, C.J. Veinotte, B. Razaghi, A.W. Robertson, C. Martinez-Farina, D.L. Jakeman, **G. Dellaire**, J.N. Berman, and K.B. Goralski (2015, June 20-23) "*Jadomycin B is selectively toxic to triple negative human breast cancer cells in a zebrafish xenotransplantation model*". **European Cancer Organization (EACR-AACR-SIC) Special Conference: Anticancer Drug Action and DRug Resistance: from Cancer Biology to the Clinic**. Florence, Italy.
- 26) *Pinder, J.B., J. Salsman, and **G. Dellaire** (2015 March 1-6) "*Enhancing efficiency of Cas9-stimulated homology-directed repair*". **Keystone Symposium on Genome Instability and DNA Repair (X4)**, Whistler, Canada. *Oral presentation by JB
- 27) Klement, K., M.S. Luijsterburg, J.B. Pinder, C.S. Cena, V. Del Nero, C.M. Wintersinger, **G. Dellaire**, H. van Attikum, and A.A. Goodarzi (2015 March 1-6) "*Opposing ISWI- and CHD-class chromatin remodelling activities orchestrate heterchromatic DNA repair*". **Keystone Symposium on Genome Instability and DNA Repair (X4)**, Whistler, Canada.
- 28) Bentley, V.L., C.J. Veinotte, D.P. Corkery, J.B. Pinder, M.A. LeBlanc, K. Bedard, A.P. Weng, J.N. Berman, **G. Dellaire**. (2015 Feb 13). "*Zebrafish xenotransplantation identifies a targetable NOTCH1 mutation in a child with T-cell acute lymphoblastic leukemia*" **Memorial-Dalhousie University Conference**, St. John's, Newfoundland
- 29) *Lobbardi, R., J. Pinder, B. Martinez, J.S. Blackburn, N.S. Abdelfattah, D. Toiber, M. de Waard, E. Jain, R.I. Sadreyev, J.M. Asara, R. Mostoslavsky, **G. Dellaire**, D.M. Langenau (2014 Dec 6-9) "*Thymocyte Selection-Associated High-Mobility Group Box Protein (TOX) Induces Genomic Instability in T-Cell Acute Lymphoblastic Leukemia*". **56th American Society for Hematology (ASH) Annual Meeting**, San Francisco, USA *Oral presentation
- 30) Pinder, J., C. McCormick, and **G. Dellaire** (2014 Nov 3-4) "*Comprehensive Screening of Interactions of the Kaposi's Sarcoma Herpes Virus (KSHV) Proteome with Host Ubiquitin-*

- related Proteins*". **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 31) Salsman J., V. Bentley, K. Colye, S. Lewis, P. Marcato, R. Jones, and **G. Dellaire** (2014 Nov 3-4) "*Characterization of the mechanisms of action and resistance to metformin in breast cancer*". **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 32) Pinder, J, C. McCormick, and **G. Dellaire** (2014, Oct. 19-24) "*Comprehensive Screening of Interactions of the Kaposi's Sarcoma Herpes Virus (KSHV) Proteome with Host Ubiquitin-related Proteins*". **EMBO Conference: Ubiquitin & ubiquitin-like proteins: At the crossroads from chromatin to protein**, Buenos Aires, Argentina
- 33) Bentley, V.L., C.J. Veinotte, D.P. Corkery, J.B. Pinder, M.A. LeBlanc, K. Bedard, A.P. Weng, J.N. Berman, and **G. Dellaire** (2014, June 28-July 1) "*Zebrafish xenotransplantation identifies a targetable NOTCH1 mutation in a child with T-cell acute lymphoblastic leukemia*" **7th Zebrafish Disease Models Conference (ZDM7)**, Madison, USA
- 34) Lobbardi, R., N. Abdelfattah, J. Pinder, B. Martinez, D. Toiber, J.S. Blackburn, M. de Waard, G. Dellaire, R. Mostoslavsky, D.M. Langenau (2014, June 28-July 1) "*A large-scale transgenic screen in zebrafish identifies TOX as a novel oncogene in T-cell acute lymphoblastic leukemia.*" **7th Zebrafish Disease Models Conference (ZDM7)**, Madison, USA
- 35) *Bentley V.L., C.J. Veinotte, Y. Liu, R.T. Peterson, J.N. Berman and **G. Dellaire** (2014, June 24-28) "*Modeling and preventing anthracycline and tyrosine kinase inhibitor induced cardiotoxicity in Zebrafish*" **11th Annual International Conference on Zebrafish Development and Genetics**, Madison, USA *Oral Presentation by VLB
- 36) Veinotte, C, B. Crompton, N. Melong, K. Fraser, P.B. Sorensen, G. Dellaire, K. Stegmaier, and J.N. Berman (2014, June 24-28). "*Using Zebrafish Xenotransplantation to Evaluate Anti-Cancer Drug Efficacy: Examining the Impact of Focal Adhesion Kinase Inhibition on Ewing's Sarcoma Cell Proliferation and Metastasis.*" **11th Annual International Conference on Zebrafish Development and Genetics**, Madison, USA
- 37) Asnani, A., Y. Liu, L. Zou, V.L. Bentley, M. Yu, Y. Wang, G. Dellaire, K.S. Sarkar, M. Dai, H.H. Chen, D.E. Sosnovik, J.T. Shin, D.A. Haber, J.N. Berman, W.Chao, *R.T. Peterson. (2014, June 24-28) "*Visnagin Protects Against Doxorubicin-Induced Cardiomyopathy Through Inhibition of Mitochondrial Malate Dehydrogenase.*" **11th Annual International Conference on Zebrafish Development and Genetics**, Madison, USA *Oral Presentation by RTP
- 38) Bentley, V.L., C.J. Veinotte, Y. Liu, R. Peterson, G. Dellaire†, and J.N. Berman† (2014, April 29) "*Modeling tyrosine kinase inhibitor induced cardiotoxicity in Zebrafish*" Department of Pediatrics Research Day, IWK Health Centre, Halifax, Canada † Co-corresponding authors.

- 39) *Bentley, V.L., C.J. Veinotte, D.P. Corkery, J.B. Pinder, M.A. LeBlanc, K. Bedard, A.P. Weng, J.N. Berman, and G. Dellaire (2014, April 29) "*Zebrafish xenotransplantation as a preclinical therapeutic platform for T-cell acute lymphoblastic leukemia*" Department of Pediatrics Research Day, IWK Health Centre, Halifax, Canada *Oral presentation by VLB
- 40) Bentley, V.L., C.J. Veinotte, D. Corkery, M.A. Leblanc, K. Bedard, A.P. Weng, G. Dellaire, and J.N. Berman (2013 Dec 7-10) "*Zebrafish Xenotransplantation and Focused Chemical Genomics: A Preclinical Therapeutic Model For T-Cell Acute Lymphoblastic Leukemia*" **55th American Society for Hematology (ASH) Annual Meeting**, New Orleans, USA
- 41) Salsman, J., S. Lahsaee, S. Montgomery, S. Lewis, and G. Dellaire. (2013 Nov. 3-6) "*Application of translation state array and next-generation RNA-sequencing to interrogate PML-regulating signalling.*" **Canadian Cancer Research Conference**. Toronto, Canada.
- 42) Corkery, D., L. Meunier, S. Lahsaee, A-M. Mes-Masson, J.N. Berman, and G. Dellaire. (2013 Nov. 3-6) "*Understanding the role of PRP4K in the development of taxane resistance in breast cancer*". **Canadian Cancer Research Conference**. Toronto, Canada.
- 43) Bentley, V.L., D. Corkery, C. Veinotte, M. LeBlanc, A.P. Weng, K. Bedard, J.N. Berman and G. Dellaire. (2013 Nov. 3-6) "*Focused chemical genomics using the zebrafish XT model to determine therapeutic options in T-cell lymphoblastic leukemia.*" **Canadian Cancer Research Conference**. Toronto, Canada.
- 44) Pinder, J.B., C. McCormick, and G. Dellaire. (2013 Nov. 3-6) "*A comprehensive yeast two-hybrid library for assessing pairwise interactions with proteins encoded by the DNA tumor virus KSHV*" **Canadian Cancer Research Conference**. Toronto, Canada.
- 45) Lahsaee, S., D. Corkery, J. Salsman, C. Mitchell, and G. Dellaire. (2013 Nov. 3-6) "*Estradiol regulated PRP4K gene expression in breast cancer cells post-transcriptionally via its 3' UTR*" **Canadian Cancer Research Conference**. Toronto, Canada.
- 46) Coyle, K.M., C.A. Dean, L.Z. Pan, D.G. Ahn, J. Salsman, G. Dellaire, P.W. Lee, and P. Marcato. (2013 Nov. 3-6) "*Total-genome-knockdown screen identifies genes involved in retinoic-acid-mediated breast tumor progression.*" **Canadian Cancer Research Conference**. Toronto, Canada.
- 47) Pringle, E.S., C. Veinotte, M.N. Ha, G. Dellaire, Jason N. Berman, and C. McCormick. (2013 Nov. 3-6) "*A zebrafish model for primary effusion lymphoma.*" **Canadian Cancer Research Conference**. Toronto, Canada.
- 48) Hall SR, C.J. Veinotte, A.W. Robertson, C. Martinez-Farina, D.L. Jakeman, G. Dellaire, J.N. Berman, and K.B. Goralski. (2013 Nov. 3-6) "*Jadomycins induce the generation of reactive oxygen species and are cytotoxic to human breast cancer cells both in vitro and xenotransplanted in zebrafish embryos.*" **Canadian Cancer Research Conference**. Toronto, Canada.

- 49) Hagerty M., C. Veinotte, **G. Dellaire**, and J.N. Berman (2013 Sept. 18-21) "*Zebrafish xenotransplantation as a model to predict tumour radiosensitivity*". **27th CARO Annual Scientific Meeting**, Montreal, Canada
- 50) Lahsaee, S., D. Corkery, J. Salsman, C. Mitchell, **G. Dellaire** (2013 August 20-24) "*Estradiol regulates PRP4K gene expression post-transcriptionally via its 3' UTR*" **Cold Spring Harbor Symposium on Eukaryotic mRNA Processing**, Cold Spring Harbor, New York, USA
- 51) *Berman, J.N. D. Corkery, C. Veinotte, V. Bentley, V. Rajan, S. Prykhozhiy, A.M. Forrester, D. Smithen A. El-Naggar, A. Thompson, A. Weng, P.B. Sorensen, and G. Dellaire. (2013 July 9-11) "*Personalized Cancer Therapy: A Zebrafish Xenograft Platform Identifies Novel Therapeutic Compounds in Leukemia and Targets for Prevention of Metastasis in Ewing sarcoma*" **Zebrafish Disease Models 6 (ZDM 6)**, Murcia, Spain, *Oral presentation by J.N.B.
- 52) *Bentley, V.L., D.Corkery, C. Veinotte, **G. Dellaire** and J.N. Berman (2013 June 15-16) "*Zebrafish xenotransplantation as a pre-clinical tool for drug discovery in T-cell acute lymphoblastic leukemia*" **North Atlantic Zebrafish Zebrafish Research (NAZR)**, Orono, Maine, USA *Oral presentation by V.L.B.
- 53) Smithen, D.A., A.M. Forrester, D.P. Corkery, **G. Dellaire**, J. Colpitts, S.A. McFarland, J.N. Berman, and A. Thompson (2013 May 26-28) "*Investigations Regarding the Utility of Prodigiosenes to Treat Leukemia*". **96th Canadian Chemistry Conference and Exhibition**, Quebec, Canada
- 54) Coyle, K. M., C. Dean, L.Z. Pan, D.G. Ahn, J. Salsman, **G. Dellaire**, P.W. Lee, and P. Marcato. (2013 May 13) "*Using total genome knockdown to explore retinoic-acid based signaling in breast cancer progression.*" **Integrated Health Research Training Partnership Research Day, Dalhousie University**, Halifax, Canada
- 55) *Corkery, D.P., J. Berman, **G. Dellaire** (2013 May 9-11) "*Using a zebrafish xenotransplant model to study taxane resistance in breast and ovarian cancer*" **4th Annual TFRI Scientific Meeting**, Ottawa, Canada *Abstract chosen for a oral presentation by D.P.C.
- 56) *Bentley, V.L., D. Corkery, C. Veinotte, J.N. Berman, and **G. Dellaire** (2013 May 9-11) "*Zebrafish XT: a pre-clinical animal tumour model for the discovery of novel therapies for T-cell acute lymphoblastic leukemia*" **4th Annual TFRI Scientific Meeting**, Ottawa, Canada *Abstract chosen for a oral presentation by V.L.B.
- 57) Hall SR, C.J. Veinotte, A.W. Robertson, C. Martinez-Farina, D.L. Jakeman, **G. Dellaire**, J.N. Berman, and K.B. Goralski. (2013 May 7) "*Analysis of Jadomycin Breast Cancer Cytotoxicity in In Vitro and In Vivo Models and the Role Played by Reactive Oxygen Species*". **Pharmacology Graduate Research Day**. Halifax, Canada.

- 58) Bentley, V., C. Veinotte, D. Corkery, **G. Dellaire**, J.N. Berman (2013 April 30) “*Zebrafish XT: a pre-clinical animal model for the discovery of novel therapies for T-cell acute lymphoblastic leukemia*”. **Department of Pediatrics Research Day, IWK Health Centre, Halifax, Canada**
- 59) Pinder, J.B. I. Soares, F.A. Caetano, V. Ostapchenko, F.H. Beraldo, V.F. Prado, **G. Dellaire**, M.A.M. Prado. (2013 March 3-8) “*Interaction of molecular co-chaperone STI1/Hop with the SUMO E3 ligase PIAS1 is required for nuclear accumulation of STI1 following ionizing radiation-induced DNA damage*” **Keystone Symposium on Genome Instability and DNA Repair (X3)**, Banff, Canada
- 60) Del Nero, V., J.B. Pinder, C.S. Cena, G.F. Rodrigues, H. van Attikum, **G. Dellaire**, and A.A. Goodarzi (2013 March 3-8) “*RNF20-ACF1-SNF2H nucleosome remodeling counteracts KAP1-CHD3 to facilitate DNA double strand break repair in heterochromatin*” **Keystone Symposium on Genome Instability and DNA Repair (X3)**, Banff, Canada
- 61) Attwood, K.M., K. Missiaen, S. Ghosh, R. Mirzayans, **G. Dellaire**, and M.J. Hendzel. (2013 March 3-8) “*Polymerized nuclear actin is required for the retention of KU80 at the site of UV-laser induced DNA double-strand breaks*” **Keystone Symposium on Genome Instability and DNA Repair (X3)**, Banff, Canada
- 62) *Pinder, J. J. Salsman, B. Tse, M. Luke, and **G. Dellaire** (2012 Nov 5-6) “*Isoform-specific interactions of the promyelocytic leukemia protein (PML) with the translation initiation factor 3 subunits eIF3K and eIF3F*”. **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada. *(1st Prize Best Poster)
- 63) Salsman, J., S. Lahsaee, S. Montgomery, S. Lewis, and **G. Dellaire** (2012 Nov 5-6) “*Dissecting PML-regulated signaling using gene chip microarray and RNA-sequencing technology*”. **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 64) Sathiyaseelan, P., S. Lahsaee, and **G. Dellaire** (2012 Nov 5-6) “*Characterization of the PRP4K gene promoter function in breast cancer cells*”. **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 65) Corkery, D., S. Lahsaee, J.N. Berman, and **G. Dellaire** (2012 Nov 5-6) “*Mammalian PRP4K function in chemotherapy resistance in breast cancer*”. **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 66) Lahsaee, S., D. Corkery, C. Mitchell, and **G. Dellaire** (2012 Nov 5-6) “*Regulation of PRP4K gene expression in breast cancer*”. **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 67) Veinotte, C.J., A. El-Naggar, D. Corkery, **G. Dellaire**, M.L. Bernstein, P.B. Sorensen, and J.N. Berman (2012 Nov 5-6) “*Using zebrafish to streamline in vivo models of cancer and dive into Ewing’s Sarcoma*”. **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.

- 68) Bentle, V.L., V. Rajan, D. Corkery, C. Veinotte, S. Prykhozhij, A.P. Weng, P. Chiu, J.N. Berman, and **G. Dellaire** (2012 Nov 5-6) "*Zebrafish XT: A pre-clinical animal tumour model for the discovery of novel therapies for T-cell acute lymphoblast leukemia*". **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 69) Attwood, K.M., and **G. Dellaire** (2012 Nov 5-6) "*Effect of chromatin structure and the subnuclear localization of a DNA break on the progress of DNA repair*". **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 70) Berman, J.N., D. Corkery, C. Veinotte, T.B. Balci, A.M. Forrester, A. Thompson, P.B. Sorensen, A. Weng, and **G.Dellaire** (Sept. 7-9, 2012) "*A zebrafish xenograft platform as an in vivo tool for drug screening and personalized cancer therapy*" **Personalized Cancer Care Symposium**, Oslo, Norway **Funded by CIHR/NSERC via CHRP**
- 71) Corkery, D., T. Balci, J.N. Berman, and **G. Dellaire** (March 31-April 4, 2012). "*Evaluating novel targeted therapeutic agents in T-cell acute lymphoblastic leukemia using a zebrafish xenotransplantation model*" **2012 American Association for Cancer Research (AACR) Annual Meeting**, Chicago, USA **Funded by CIHR/NSERC via CHRP**
- 72) Forrester, M.A., D.A. Smithen, E. Marchal, D. Corkery, **G. Dellaire**, J.N. Berman, and A. Thompson (March 31-April 4, 2012). "*In Vivo Anti-Leukemia Activity Of Novel Prodigiosene Compounds In A Zebrafish Xenograft Model*" **2012 American Associate for Cancer Research (AACR) Annual Meeting**, Chicago, USA
- 73) Veinotte, C.J., D. Corkery, **G. Dellaire**, M.L. Bernstein, P.B. Sorensen, and J.N. Berman (March 31-April 4, 2012). "*Using zebrafish xenotransplantation to study the role of Y-Box binding protein (YB-1) in the metastasis of Ewing family tumors*" **2012 American Associate for Cancer Research (AACR) Annual Meeting**, Chicago, USA
- 74) Kepkay, R., K. Attwood, Y. Ziv, Y. Shiloh, and **G. Dellaire** (March 14-18, 2012) "*KAPping Bodies*" **55th Annual Meeting of the Canadian Society for Molecular Biosciences (CSMB): Epigenetics and Genome Stability**, Whistler, Canada **Funded by CIHR**
- 75) *Attwood, K.M., K. Missiaen, S. Ghosh, R. Mirzayans, **G. Dellaire**, and M.J. Hendzel. (March 14-18, 2012) "*Polymerized nuclear actin is required for the retention of KU80 at the site of UV-laser induced DNA double-strand breaks*" **55th Annual Meeting of the Canadian Society for Molecular Biosciences (CSMB): Epigenetics and Genome Stability**, Whistler, Canada **Funded by CIHR** *Travel Award
- 76) Corkery, D., T. Balci, C. Veinotte, K. Sinclair, **G. Dellaire**, J.N. Berman (March 5-8, 2012) "*Using a Zebrafish Xenotransplant Model to Study Drug Response and Metastasis in Paediatric Cancers*" **6th Canadian Developmental Biology Conference, Canadian Zebrafish Workshop**, Banf, Canada

- 77) Corkery, D., J.N. Berman, and **G. Dellaire** (2011 Nov 27-30) "*Leukemia and breast cancer xenotransplantation in Zebrafish – Chemotherapy Response Assay in vivo*". **The Canadian Cancer Research Conference**, Toronto, Canada
- 78) *Attwood, K.M., K. Missiaen, S. Ghosh, R. Mirzayans, **G. Dellaire**, M.J. Hendzel. (2011 Nov 7-8) "*Evaluating the requirement for polymerized actin in DNA double-strand break repair using UV-laser induced DNA damage*". **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada. *(1st Prize Best Poster)
- 79) *Corkery, D., T.B. Balci, J.N. Berman, and **G. Dellaire** (2011 Nov 27-30) "*Evaluating novel targeted therapeutic agents in T-cell acute lymphoblastic leukemia using a zebrafish xenotransplantation model*". **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada. *(1st Prize Best Poster)
- 80) *Salsman, J., M. Jagannathan, P-K. Chan, B. Rought, **G. Dellaire**, and L. Frappier. (2011 Nov 27-30) "*Manipulation of the promyelocytic leukemia protein and the DNA damage response by the human cytomegalovirus protein UL35*". **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada. *(1st Prize Best Poster)
- 81) *Lahsae, S., D. Corkery, and G. Dellaire (2011 Nov 27-30) "*The role of estrogen receptor signalling in regulating PRP4K gene expression and chemotherapy resistance in breast cancer*". **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada. *(1st Prize Best Poster)
- 82) *Veinotte, C., D. Corkery, **G. Dellaire**, M.L. Bernstein, P.H. Sorensen, and J.N. Berman (2011 Nov 27-30) "*Zebrafish xenotransplantation as a model to study the metastasis of sarcoma cells: The Role of YB-1 in cellular spread*". **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada. *(1st Prize Best Poster)
- 83) Forrester, A.M., D.A. Smithen, D. Corkery, **G. Dellaire**, J.N. Berman, and A. Thompson (2011 Nov 27-30) "*Testing novel prodigiosene compounds for in vivo anti-leukemia activity in a zebrafish xenograft model*". **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 84) Balci, T.B., D. Corkery, **G. Dellaire**, Y. Ge, J. Taub, J.N. Berman.. (2011 Nov 7-8) "*Xenotransplantation of paediatric acute myeloid leukemia cells into zebrafish – a robust tool for studying drug synergy*". **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 85) Sinclair, K., C. Veinotte, D. Corkery, **G. Dellaire**, P.H. Sorensen, and J.N. Berman (2011 Nov 27-30) "*Zebrafish xenotransplantation: A novel approach to studying Ewing sarcoma*". **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 86) Langelaan D.N., A.W. Banks, **G. Dellaire**, D.J. Dupré and R.K. Rainey (2011 June 5-9) "*Structural and functional correlation of the N-terminus and first transmembrane segment of the apelin receptor*". **MOOT NMR XXIV Conference**, Toronto, Canada.

- 87) Andrin, C., D. McDonald, K.M. Attwood, L. Horlick, K. Missiaen, A. Rodrigue, S. Ghosh, R. Mirzayans, J.-Y. Masson, **G. Dellaire**, and M.J. Hendzel (2011 Sept. 7-10) "*Requirement for polymerized actin in DNA double-strand break repair*" **Wenner-Gren Center Symposium: Actin and actin-associated proteins from gene to polysomes**, Stockholm, Sweden *(Oral presentation by M.J.H.)
- 88) Corkery, D., J.N. Berman, and ***G. Dellaire** (2011 July 9-11) "*Leukemia and Breast Cancer Xenotransplantation in Zebrafish - Chemotherapy Response Assay in vivo*" **7th European Zebrafish Meeting ZDM4: Blood, Immunity, Cancer and Endothelial Workshop**, Edinburgh, UK. *(Oral presentation by G.D.)
- 89) Langelan D.N., **G. Dellaire**, D.J. Dupré and R.K. Rainey (2011 June 5-9) "*Structural and Functional Characterization of the N-Terminal Tail and First Transmembrane Segment of the Apelin Receptor*". **94th Canadian Chemistry Conference**, Montréal, Canada.
- 90) *Veinotte, C., D. Corkery, **G. Dellaire**, M. Bernstein, P. Sorensen and J.N. Berman. (2011, May 20) "*Casper the friendly (innovative) fish: Zebrafish xenotransplantation as a model to study the metastasis of pediatric sarcomas*" *(3rd Prize Best Poster), **Atlantic Zebra fish Users Group Meeting (AZUG)**, Halifax, Canada
- 91) *Corkery, D., J. Berman, and **G. Dellaire**. (2011, May 20)"*Xenotransplantation of leukemia and breast cancer cell lines in zebrafish*" *(Oral presentation by D.C.; 2nd Prize Best Presentation), **Atlantic Zebra fish Users Group Meeting (AZUG)**, Halifax, Canada
- 92) Kepkay, R., K.M. Attwood, Y. Ziv, Y. Shiloh and **G. Dellaire** (2011 May 4-7) "*Changes in PML nuclear body number after KAP-1 depletion correlate with epigenetic and ultrastructural changes in chromatin*" **1st Canadian Epigenetics Meeting: Epigenetics, Eh!**, London, Canada
- 93) *Corkery, D., **G. Dellaire** and J.N. Berman. (2011, April 7) "*Human Leukemia Xenotransplantation into Zebrafish Embryos as an In Vivo Assay for Chemotherapy Drug Response*". **Dept. of Pediatrics, Dalhousie University**, Halifax, NS, Canada *Best Research Presentation by a Postgraduate Student - Basic Science
- 94) Corkery, D., **G. Dellaire***, J. Berman* (2010 Dec 4-7) "*Human Leukemia Xenotransplantation into Zebrafish Embryos as an In Vivo Assay for Chemotherapy Drug Response*" **52nd Annual American Society of Hematology (ASH) Meeting and Exposition**, Orlando, California, USA *(Co-corresponding author)
- 95) *Attwood, K., and **G. Dellaire** (2010 Nov 8-9) "*Characterization of the ultrastructural changes in chromatin and progression of DNA repair at a single defined DNA double-stranded break*" **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada. *(1st Prize, Best Poster Award)

- 96) *Corkery, D., G. Dellaire†, and J. Berman† (2010 Nov 8-9) "*Human Leukemia Xenotransplantation into Zebrafish Embryos as an In Vivo Assay for Chemotherapy Drug Response*" **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada. *(Oral presentation by D.C. and 1st Prize, Best Presentation) †(Co-corresponding author)
- 97) Lahsae, S., D. Corkery, and G. Dellaire (2010 Nov 8-9) "*The role of estrogen receptor signalling in regulating PRP4K protein levels and drug resistance in breast cancer*" **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 98) Tse, B. and G. Dellaire (2010 Nov 8-9) "*The role of promyelocytic leukemia (PML) isoform I specific protein-protein interactions in the regulation of translation*" **Beatrice Hunter Atlantic Cancer Research Symposium**, Halifax, Canada.
- 99) Cann, K., R. Kepkay, Y. Ziv, Y. Shiloh, and G. Dellaire (2010 July 25-30). "*KAP1-dependent changes in chromatin structure regulate the induction of promyelocytic leukemia (PML) nuclear bodies in response to DNA breaks*" **Gordon Research Conference on Chromatin Structure and Function**, Bryant University, Rhode Island, USA.
- 100) Corkery, D., J. Berman and G. Dellaire. (2010 June 21-24) "*Human cancer cell xenotransplantation into zebrafish embryos as an in vivo assay for chemotherapy drug response*" **Zebrafish Disease Modelling III**, Children's Hospital/Dana-Farber Cancer Institute, Boston, USA.
- 101) *Corkery, D., J. Berman and G. Dellaire. (2010 May 13-15) "*Human cancer cell xenotransplantation into zebrafish embryos as an in vivo assay for chemotherapy drug response*" **2nd Annual Scientific Meeting of the Terry Fox Research Institute**, Vancouver, Canada. *(Oral Presentation by D.C.)
- 102) Corkery, D., J. Berman and G. Dellaire. (2010 April 15) "*Human cancer cell xenotransplantation into zebrafish embryos as an in vivo assay for chemotherapy drug response*" **Dept. of Pediatrics, Dalhousie University**, Halifax, Canada
- 103) ***Dellaire, G.** (2009 Dec 10-13) "*The inter-relationship between DNA damage signaling and chromatin: insights from high resolution imaging*" **31st Asilomar Chromatin & Chromosomes Conference**, Asilomar, CA, U.S.A. *Oral presentation
- 104) *Corkery, D., J. Berman, and G. Dellaire. (2009, Dec 1) "*Xenotransplantation of leukemia and breast cancer cell lines in zebrafish*" *(Oral presentation by D.C.), **Atlantic Zebra fish Users Group Meeting (AZUG)**, Halifax, Canada
- 105) Cann, K., R. Kepkay, Y. Ziv, Y. Shiloh, and G. Dellaire (2009, Nov 16-19) "*A Kap-1 dependent mechanism regulates PML nuclear body in response to DNA damage*". **Abcam conference on Chromatin: structure and function**, Hilton Papagayo Resort, Costa Rica
- 106) *Corkery, D., J. Berman, and G. Dellaire (2009, Nov 16-17) "*Mammalian PRP4K function in breast cancer chemotherapy resistance*" **2009 Atlantic Cancer Research Symposium**,

Halifax, Canada *(1st Prize, Best Poster Award)

- 107) Chen, J., G. Dellaire (2008, Nov 5) "*The promyelocytic leukemia (PML) protein isoform I is phosphorylated by the DNA damage response kinase DNA-PK*". **2009 Atlantic Cancer Research Symposium**, Halifax, Canada
- 108) *Kepkay, R., Y. Ziv, Y. Shiloh, and G. Dellaire (2008, Nov 5) "*Determining the ATM-dependent mechanism governing PML nuclear body response to DNA damage*". **2008 Atlantic Cancer Research Symposium**, Halifax, Canada. *(Runner-up Best Poster Presentation)
- 109) Chen, J., G. Dellaire (2008, Nov 5) "*The role of promyelocytic leukemia (PML) protein phosphorylation in the cellular response to DNA damage*". **2008 Atlantic Cancer Research Symposium**, Halifax, Canada
- 110) *Dellaire, G. and D.P. Bazett-Jones (2007, Sept 1-5) "*Visualising DNA damage and repair in situ within the mammalian nucleus using correlative light and electron spectroscopic imaging (ESI)*." *(Oral presentation by G.D.), **EMBO Conference on Nuclear Structure and Dynamics**, Montpellier, France
- 111) Dellaire, G., R. Ching, and D.P. Bazett-Jones. (2006 Sept 28-Oct 1) "*PML Nuclear bodies are DNA damage sensors*". **Cold Spring Harbor Symposium on the Dynamic Organization of Nuclear Function**. Cold Spring Harbor, New York, U.S.A.
- 112) Ching, R.W., G. Dellaire, C.H. Eskiw, D.P. Bazett-Jones (2005 Dec 8-11) "*Nuclear fission and fusion: PML nuclear body dynamics in mammalian cells*". **27th Annual Asilomar Chromatin and Chromosomes**, Asilomar, CA, U.S.A.
- 113) *Hake, S.B., B.A. Garcia, M. Kauer, E.M. Duncan, R. Diaz, J. Recht, G. Dellaire, S. Morris, J. Shabanowitz, D.P. Bazett-Jones, B.D. Strahl, D.F. Hunt, and C.D. Allis. (2005 Nov 15-18) *(Oral presentation by S.B.H.) **Abcam Conference: Chromatin Structure and Function**, Nassau, Bahamas.
- 114) Dellaire, G., and D.P. Bazett-Jones. (2004 Nov 14-20) "*Ultrastructural analysis of DNA damage and repair within the mammalian nucleus*". **ASM Conference: DNA Repair and Mutagenesis**. Southampton, Bermuda.
- 115) Dellaire, G., R. Ching, C. Eskiw, and D.P. Bazett-Jones. (2004 Sept 29-Oct 3) "*Nuclear fission and fusion — PML nuclear body dynamics in mammalian cells*". **Cold Spring Harbor Symposium on the Dynamic Organization of Nuclear Function**. Cold Spring Harbor, New York, U.S.A.
- 116) *Bickmore, W.A., G. Dellaire, and R. Farrall. (2002 Sept. 18-22) "*a nuclear protein database*" **Cold Spring Harbor Symposium on the Dynamic Organization of Nuclear Function**. *(Oral presentation by W.A.B). Cold Spring Harbor, New York, U.S.A.

- 117) **Dellaire, G.,** J.J. Cowger, E. M. Makarov, R. Luhrmann, D.P. Bazett-Jones, J. Torchia and W.A. Bickmore. (2002 Sept 18-22) “*Characterisation of the mammalian PRP4 kinase (PRP4K) --A link between chromatin and pre-mRNA splicing?*” **Cold Spring Harbor Symposium on the Dynamic Organization of Nuclear Function.** Cold Spring Harbor, New York, U.S.A.
- 118) **Dellaire, G.,** M. Makarov, D. Longman, H.G.E. Sutherland, R. Luhrmann, J. Torchia and W.A. Bickmore. (2002 March 2-5) “*Mammalian PRP4 kinase (PRP4K) functions at the interface between chromatin and pre-mRNA splicing*” **British Society for Cell Biology: Cell Regulation through Molecular Machines.** York, U.K.
- 119) Sutherland, H.G.E., G. Mumford, K. Newton, R. Farrall, **G. Dellaire,** J. Caceras, and W.A. Bickmore (2001 April 9-22) “*Identifying mammalian nuclear and chromosomal proteins with a gene-trap screen*” **Human Genome Meeting 2001.** Edinburgh, U.K.
- 120) **Dellaire, G.,** R.A. Poot, P.D. Varga-Weisz and W.A. Bickmore (2000 Sept 13-17) “*ACF-1, a component of the human CHRAC chromatin-remodelling complex, is located in heterochromatin and is a member of a conserved family of WSTF/ACF-1 Like (WAL) proteins.*” **Cold Spring Harbor Symposium on the Dynamic Organization of Nuclear Function.** Cold Spring Harbor, New York, U.S.A.
- 121) Rheume, E., **G. Dellaire,** Nancy Rinquette, *P. Chartrand. (2000 April 10) “*RAM Genomics™: A method to identify chromosomal domains and genes that interact together in living cells.*” *(Oral presentation by P.C.) **Human Genome Organisation (HUGO) 2000 Symposium Workshop on Functional Genomics.** Vancouver, Canada
- 122) Sutherland, H.G.E., **G. Dellaire,** G. Mumford and W.A. Bickmore.(2000 April 10-12) “*A gene-trap screen for nuclear proteins*”. **10th Tenovus-Scotland Symposium on Gene Expression and Disease.** Glasgow, UK.
- 123) **Dellaire, G.** and P. Chartrand (1998 Oct 7-11) “*Evidence that extrachromosomal and chromosomal DNA repair are coupled in mammalian cells.*” **Cold Spring Harbor Symposium on the Dynamic Organization of Nuclear Function.** Cold Spring Harbor, New York, U.S.A.
- 124) **Dellaire, G.,** N. Lemieux, A. Belmaaza, P. Chartrand (1997 Oct 4-7) “*Recombination Access Mapping (RAM): a paradigm for the analysis of DNA accessibility and interaction within the genome*”. **EMBO Workshop on Chromatin and Epigenetic Regulation.** Heidelberg, Germany.
- 125) **Dellaire, G.** and *P. Chartrand (1998 Feb. 12-17) “*RAM: A method for determining dynamic chromosome domain interactions*”. *Oral presentation by P.C. **The Wilhelm Bernhard 15th International Workshop on the Cell Nucleus.** Lac Delage, Quebec, Canada.
- 126) **Dellaire, G.,** N. Lemieux, A. Belmaaza, *P. Chartrand (1997 August 2-7) “*Ectopic gene targeting exhibits a bimodal distribution of integration in murine cells indicating both intra*

and interchromosomal sites are accessible to the targeting vector". *Oral presentation by P.C. **FASEB Summer Research Conference. Genetic Recombination and Chromosome Rearrangements**: Snowmass, Colorado, U.S.A.

- 127) **Dellaire, G.**, N. Lemieux, A. Belmaaza, P. Chartrand (1997 Feb 4-7) "*Recombination Access Mapping (RAM): a paradigm for the analysis of DNA accessibility and interaction within the genome*". **Keystone Symposia: Functional Organization of the Nucleus**. Sante Fe, New Mexico, USA
- 128) **Dellaire, G.**, N. Lemieux, A. Belmaaza, *P. Chartrand (1997 June 6-7) "*Recombination Access Mapping (RAM): a paradigm for the analysis of DNA accessibility and interaction within the genome*". *(Oral presentation by P.C.) **From DNA Damage to Cell Death: The Role of Nuclear Structure in the Response to Cancer Therapy**. Montreal, Quebec, Canada.

Department of Pathology, Research Day Abstracts

- 1) *Salsman, J., L. Anthes, V. Bentley, and G. Dellaire. (May 1, 2015) "*Characterization of the mechanisms of action and resistance to metformin in breast cancer*" **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada** *Oral presentation
- 2) *Pinder, J., J. Salsman, and G. Dellaire (May 1, 2015) "*Nuclear domain "knock-in" screen for the evaluation and identification of small molecule enhancers of CRISPR-based genome editing*". **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada** *Oral presentation
- 3) Chung, D., and G. Dellaire (May 1, 2015) "*Investigating the biological role of the COP9 signalosome subunit 6 interaction with the promyelocytic leukemia (PML) protein*". **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada**
- 4) Lahsaee, S., A. Holly, D. Corkery, J. Salsman, and G. Dellaire (May 1, 2015) "*Estrogen regulate the pre-mRNA splicing kinase PRP4K in breast cancer cells post-transcriptionally via its 3'UTR*" **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada**
- 5) Holly, A. M. MacDonald, D. Corkery, J.N. Berman, and G. Dellaire (May 1, 2015) "*Zebrafish xenograft: a model for prostate cancer*". **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada**
- 6) *Corkery, D., L. Meunier, C. Le Page, D. Provencher, A.M. Mes-Masson, J.N. Berman, G. Dellaire. (May 1, 2014) "*Increased expression levels of PRP4K correlate with HER2 expression and taxane sensitivity in breast and ovarian cancer*" **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada** *Oral presentation
- 7) Bentley, V.L., C.J. Veinotte, Y. Liu, R.T. Peterson, J.N. Berman, G. Dellaire. (May 1, 2014) "*Modelling and preventing anthracycline and tyrosine kinase inhibitor induced cardiotoxicity in zebrafish*" **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada**

- 8) *Pinder, J., J. Salsman, and **G. Dellaire** (May 1, 2014) "*Using CAS9-mediated genome engineering to study dynamics and protein interactions of the promyelocytic leukemia protein (PML) nuclear bodies*" **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada** *Poster Presentation Award - 1st Place
- 9) Salsman, J., Stathakis, A., Lahsaee, S. Lewis, S. and **G. Dellaire** (May 1, 2014) "*The promyelocytic leukemia (PML) regulates the expression and stability of the mTOR regulator DDIT4* " **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada**
- 10) Lahsaee, S., D. Corkery, J. Salsman, A. Holly, and **G. Dellaire** (May 1, 2014) "*Estradiol reregulated PRP4K gene expression in breast cancer cells post-transcriptionally via its 3'UTR* " **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada**
- 11) Chung, D., and **G. Dellaire.** (May 1, 2014) "*Does PML regulate protein function through the COP9 Signalosome*" **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada**
- 12) Robinson CA, J. Yorke, D. Corkery, G. **Dellaire**, C.R. McMaster, K. Bedard. (May 1, 2014) "*Functional analysis of HYOU1 and its role in Cape Breton Renal Failure*" **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada**
- 13) *Salsman, J., S. Lahsaee, S. Montgomery, S. Lewis, and **G. Dellaire** (May 2, 2013) "*Dissecting PML-regulated signaling using gene chip and RNA-sequencing technology*" **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada** *Oral presentation
- 14) *Bentley, V.L., D.Corkery, C. Veinotte, J.N. Berman, and **G. Dellaire** (May 2, 2013) "*Zebrafish XT: a pre-clinical animal model for the discovery of novel therapies for T-cell acute lymphoblastic leukemia*" **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada** *Oral presentation
- 15) Coyle, K.M., C.A. Dean, L.Z. Pan, D.G. Ahn, J. Salsman, **G. Dellaire**, P.W. Lee, and M. Marcato (May 2, 2013) "*Identification of retinoic-acid-inducible genes via total genome knockdown*" **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada**
- 16) Attwood, K., and **G. Dellaire** (May 2, 2013) "*Effect of chromatin structure and subnuclear localization of a DNA break on the progress of DNA repair*" **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada**
- 17) Pinder, J., I. Soares, F.A. Caetano, **G. Dellaire**, and M.A.M. Prado (May 2, 2013) "*Interaction of molecular co-chaperone STII/HOP with the SUMO E3 ligase PIAS1 is required for nuclear accumulation of STII following ionizing radiation-induced DNA damage*" **Dept. of Pathology Research Day, Dalhousie University, Halifax, Canada**

- 18) Corkery, D., S. Lahsaee, J.N. Berman and G. Dellaire (2012, May 3) "*Understanding the role of PRP4K in the development of taxane resistance in breast cancer*". **Dept. of Pathology Research Day, Dalhousie University**, Halifax, Canada
- 19) Lahsaee, S., D. Corkery, C. Mitchell, and G. Dellaire (2012, May 3) "*The 3'UTR regulation of PRP4K gene expression in breast cancer*" **Dept. of Pathology Research Day, Dalhousie University**, Halifax, Canada
- 20) Corkery, D., T.B. Balci, C. Veinotte, K. Sinclair, J.N. Berman, and G. Dellaire (2012, May 3) "*Evaluating novel targeted therapeutic agents in T-Cell acute lymphoblastic leukemia using a zebrafish xenotransplantation assay*". **Dept. of Pathology Research Day, Dalhousie University**, Halifax, Canada
- 21) Corkery, D., J. Berman, and G. Dellaire (2011, May 5) "*Human leukemia xenotransplantation into zebrafish embryos as an in vivo assay for chemotherapy drug response*". **Dept. of Pathology Research Day, Dalhousie University**, Halifax, Canada
- 22) *Lahsaee, S., D. Corkery, C. Mitchell, and G. Dellaire (2011, May 5) "*The role of estrogen receptor signalling in regulating PRP4K protein levels and drug resistance in breast cancer*" **Dept. of Pathology Research Day, Dalhousie University**, Halifax, Canada *Oral presentation
- 23) Corkery, D., J. Berman, and G. Dellaire (2010, May 5) "*Mammalian PRP4K function in chemotherapy resistance in breast cancer*". **Dept. of Pathology Research Day, Dalhousie University**, Halifax, Canada
- 24) *Corkery, D., G. Dellaire, and J.N. Berman. (2011, May 3) "*Human Leukemia Xenotransplantation into Zebrafish Embryos as an In Vivo Assay for Chemotherapy Drug Response*" IHRTP-Graduate Student Research Day, **Dalhousie University**, Halifax, Canada *Poster Presentation Award - 1st Place
- 25) Attwood, K., and G. Dellaire. (2011, May 3) "*Effect of chromatin structure and the subnuclear localization of a DNA break on the progress of DNA repair.*" IHRTP-Graduate Student Research Day, **Dalhousie University**, Halifax, Canada
- 26) *Corkery, D., J.N. Berman and G. Dellaire. (2010, May 18) "Mammalian PRP4K function in chemotherapy resistance in breast cancer" **Graduate Student Research Day, Dalhousie University** Faculty of Medicine, Halifax, Canada *Poster Award - 1st place
- 27) Lahsaee, S., C. Hewitt, and G. Dellaire. (2010, May 18) "The role of estrogen receptor signalling in regulating PRP4K protein levels and drug resistance in breast cancer " **Graduate Student Research Day, Dalhousie University** Faculty of Medicine, Halifax, Canada

- 28) Lahsaee, S., and **G. Dellaire** (2010, May 5) "*The role of estrogen receptor signalling in regulating PRP4K protein levels and drug resistance in breast cancer*" **Dept. of Pathology Research Day, Dalhousie University**, Halifax, Canada
- 29) J. Chen, K. Cann, and **G. Dellaire** (2009, May 5) "*Characterization of promyelocytic leukemia (PML) protein phosphorylation in response to DNA damage*". **Dept. of Pathology Research Day, Dalhousie University**, Halifax, Canada
- 30) Kepkay, R., Y. Ziv, Y. Shiloh, and **G. Dellaire** (2009, May 5) "*A Kap-1-Dependant mechanism governing PML NB response to DNA damage*". **Dept. of Pathology Research Day, Dalhousie University**, Halifax, Canada
- 31) B. Tse, and **G. Dellaire** (2009, May 5) "*The role of promyelocytic leukemia(PML)-isoform 1 specific protein-protein interactions in the regulation of post-transcriptional gene expression*". **Dept. of Pathology Research Day, Dalhousie University**, Halifax, Canada

INVITED PRESENTATIONS

- 1) **Dellaire, G.** (2017 Feb. 6). "*How to edit a Genome*". **Nova Scotia Institutes of Science, 2016-2017 Lecture Series**, Halifax, Canada.
- 2) **Dellaire, G.** (2016 April 20). "*CRISPR advances in genome editing*" Department of Biochemistry & Molecular Biology and the Department of Genetics (**BMBDG Seminar Series**), University of British Columbia, Vancouver, Canada.
- 3) **Dellaire, G.** (2015 Dec. 16) "*Advances in genome engineering*". **Genome Atlantic Human Genomics/Genetics Seminar Series**, Halifax, Canada
- 4) **Dellaire, G.** (2015 Nov. 8) "*Genome Editing: A brief primer*". **Canadian Cancer Research Conference**, Montreal, Canada
- 5) **Dellaire, G.** (2015 April 14) "*Personalizing cancer therapy and mitigating treatment toxicity using the zebrafish*". Seminar for the **Institut de recherches cliniques de Montréal (IRCM)**, Montreal, Canada
- 6) ***Pinder, J.B.**, **J. Salsman**, and **G. Dellaire** (2015 March 1-6) "*Enhancing efficiency of Cas9-stimulated homology-directed repair*". **Keystone Symposium on Genome Instability and DNA Repair (X4)**, Whistler, Canada. *Oral presentation by JB
- 7) **Dellaire, G.** (2015 February 27) "*CRISPR and Fish: Novel cell and zebrafish models for cancer research*". Seminar for the **Vancouver Prostate Cancer Centre**, Vancouver, Canada
- 8) **Dellaire, G.** (2014 August 6) "*The zebrafish as a pre-clinical animal model for precision medicine*". Seminar for the **Genetics Unit, BC Cancer Agency**, Vancouver, Canada

- 9) **Dellaire, G.** (2014 June 13) "*The zebrafish as a pre-clinical animal model for precision medicine*". Plenary Lecture for the **Graduate Research Symposium, Div. of Biomedical Sciences, Faculty of Medicine, Memorial University, St. Johns, Canada**
- 10) **Dellaire, G.** (2014 April 9) "*Fishing for better pre-clinical animal models: using the zebrafish as a tool for precision medicine*". Seminar for the **Atlantic Cancer Research Institute, Moncton, Canada**
- 11) **Bristow, R.G., J. Thoms, and G. Dellaire** (2014 Feb 14) "*Resistance to Curative Radiotherapy in Prostate Cancer: Personalizing Therapy Using Hypoxia and Genomic Factors*" Video conferenced seminar (Vancouver, Toronto, Halifax, St. John) for the **Vancouver Prostate Cancer Centre, Vancouver, Canada.**
- 12) **Dellaire, G.** (2013 Sept 18) "*From Laptop to Bench top and back again: Building better hypotheses and testing them*" Invited seminar for the **Genome Atlantic Human Genomics/Genetics Seminar Series, Halifax, Canada.**
<https://www.youtube.com/watch?v=S7XmYEVQrI>
- 13) **Dellaire, G.** (2012 Dec 7) "*Zooming in on DNA repair using correlative light and electron microscopy*" **Centre de Recherche Hôpital Maisonneuve-Rosemont, Montreal, Canada.**
- 14) **Dellaire, G.** (2012 Nov 5) "*What's Hot in Molecular and Cellular Cancer Research*" **4th Annual BHCRI Cancer Research Conference in Atlantic Canada, Halifax, Canada.**
- 15) **Dellaire, G.** (2012 April 27) "*Close-up on DNA repair: High resolution imaging of the cellular response to DNA damage*". **Dept. of Anatomy and Cell Biology, Western University, London, Canada.**
- 16) **Dellaire, G.** (2012 April 23) "*Progress towards personalized cancer therapy using the zebrafish XT tumour model*". **Dept. of Microbiology & Immunology, Dalhousie University, Halifax, Canada.**
- 17) **Dellaire, G.** (2012 Feb 8) "*Using human cancer xenotransplantation in zebrafish as novel tumor model for anti-cancer drug discovery*". Grand Rounds, **Capital Health/ Dept. of Pathology Dalhousie University, Halifax, Canada.**
- 18) **Dellaire, G.** and J. Fawcett (2011 Nov 27) "*Choosing a Post-doctoral Experience and Surviving it*" **3rd Annual BHCRI Cancer Research Conference in Atlantic Canada, Halifax, Canada.**
- 19) **Dellaire, G.** (2011 July 9-11) "*Leukemia and Breast Cancer Xenotransplantation in Zebrafish - Chemotherapy Response Assay in vivo*" **7th European Zebrafish Meeting ZDM4: Blood, Immunity, Cancer and Endothelial Workshop, Edinburgh, UK.**

- 20) **Dellaire, G.** (2011, May 3) "*DNA damage signaling and nuclear structure: insights from high resolution imaging*" Invited seminar **Institut du Cancer de Montréal**, Montréal Canada.
- 21) **Dellaire, G.** (2011, Jan 27) "*The inter-relationship between DNA damage signaling and chromatin: insights from high resolution imaging*" Invited seminar for the **Dept. of Biochemistry & Molecular Biology, Dalhousie University**, Halifax, Canada.
- 22) **Dellaire, G.** (2009 Dec 10-13) "*The inter-relationship between DNA damage signaling and chromatin: insights from high resolution imaging*" **31st Asilomar Chromatin & Chromosomes Conference**, Asilomar, CA, U.S.A.
- 23) **Dellaire, G.** (2009, May 11) "*Nuclear bodies and Tumour Suppression*" Inaugural Seminar, **Beatrice Hunter Cancer Research Institute**, Halifax, Canada.
- 24) **Dellaire, G.** (2008, January 10, 2008) "*Nuclear bodies and Cancer*" Invited Seminar for Grand Rounds, **Capital Health/IWK Health Centre/Dalhousie University Faculty of Medicine**, Halifax, Canada.
- 25) **Dellaire, G.** (2007, Nov 6) "Connecting the dots: *PML nuclear bodies and tumour suppression*" Invited seminar for the **Cancer Research Symposium, Cancer Research Training Program (CRTP) & the Dalhousie Cancer Research Program (DCRP)**, Halifax, Canada.
- 26) **Dellaire, G.** (2007, Dec 13) "*Subnuclear domains and kinases: work in progress*" Invited seminar for the **Dept. of Biochemistry & Molecular Biology, Dalhousie University**, Halifax, Canada.
- 27) **Dellaire, G.** (2007, Nov 16) "*PML Nuclear Bodies are dose-dependent DNA damage sensors*" Invited seminar for the **Dept. of Anatomy and Neurobiology, Dalhousie University**, Halifax, Canada.
- 28) **Dellaire, G.** and D.P. Bazett-Jones (2007, Sept 1-5) "*Visualising DNA damage and repair in situ within the mammalian nucleus using correlative light and electron spectroscopic imaging (ESI)*." **EMBO Conference on Nuclear Structure and Dynamics**, Montpellier, France
- 29) **Dellaire, G.** (2006, July 7) "*PML Nuclear Bodies are dose-dependent DNA damage sensors*" Invited seminar for the **Dept. of Biochemistry, University of British Columbia**, Vancouver, Canada.
- 30) **Dellaire, G.** (2006, April 27) "*Sounding the alarm: PML Nuclear Bodies as dose-dependent DNA damage sensors*" Invited seminar for the **Dept. of Pathology, Dalhousie University**, Halifax, Canada.

- 31) **Dellaire, G.** (2006, Jan 27) “*PML Nuclear Bodies: Dynamic sensors of DNA Damage*” Invited seminar for the **Southern Alberta Cancer Research Institute**, University of Calgary, Calgary, Canada.
- 32) **Dellaire, G.** (2005, May 27) “*Dynamic and high resolution imaging of the cellular response to DNA damage*” Invited seminar for the **Centre de Recherche de L’Hôtel-Dieu de Québec**, Quebec, Canada.
- 33) **Dellaire, G.** (2005, March 23) “*Imaging the cellular response to DNA damage*” Invited seminar for the **Dept. of Biology, Dalhousie University**, Halifax, Canada.
- 34) **Dellaire, G.** (2005, Feb 8) “*PML Nuclear Bodies: Dynamic sensors of cellular stress and DNA Damage*” Invited seminar for the **Dept. of Biochemistry & Molecular Biology, Dalhousie University**, Halifax, Canada.
- 35) **Dellaire, G.** (2004, Nov 24) “*Dynamic and high resolution imaging of the cellular response to DNA damage*” Invited seminar for the **Ottawa Regional Cancer Centre**, Ottawa, Canada.
- 36) **Dellaire, G.** (2004, May 3) “*How our [nuclear] bodies cope with stress*” Invited seminar for the **Centre de Recherche Guy-Bernier, Hôpital Maisonneuve-Rosemont**, Montreal, Canada.
- 37) **Dellaire, G.** (2003, Nov 17) “*Nuclear Bodies: Islands of function in a sea of chromatin*” Invited seminar for the **Department of Radiation Oncology, McGill University**, Montreal, Canada.
- 38) **Dellaire, G.** (2002, Sept 12) “*Characterisation of the mammalian PRP4 kinase (PRP4K) --A link between chromatin and pre-mRNA splicing?*” Invited seminar for the **Department of Biochemistry Seminar Series, McGill University**, Montreal, Canada.
- 39) **Dellaire, G.** (2002, July 8) “*Mammalian PRP4 kinase (PRP4K) functions at the interface between chromatin and mRNA processing?*” Invited seminar for the **Department of Medical Genetics Seminar Series, University of British Columbia**, Vancouver, Canada.
- 40) **Dellaire, G.** (2001, January 17) “*From Gene-Trap to Gene Function*” Invited seminar for the **Department of Medical Genetics Seminar Series, University of Calgary**, Calgary, Canada.
- 41) **Dellaire, G.** (1997 October 15) “*Analyzing chromosomal domain interaction within the genome via Recombination Access Mapping (RAM)*”. Invited seminar for the **School of Pathology Seminar Series, Oxford University**, Oxford, U.K.
- 42) **Dellaire, G., N. Lemieux, A. Belmaaza, P. Chartrand** (1997 October 13) “*Ectopic gene targeting exhibits a bimodal distribution of integration in murine cells indicating both intra and interchromosomal sites are accessible to the targeting vector*”. **Dept. of Biochemistry and Genetics Seminar Series**, University of Newcastle, Newcastle upon Tyne, U.

Other Dissemination Activities and Press

(see: <http://dellairelab.medicine.dal.ca/press2.html>)

- 2017 **DalMagazine** (February, 2017) "Making Gene Therapy more Effective"
- 2016 **CTV News Interview** (March 14/16) – "CRISPR" (Television and Web)
- 2016 **CBC Radio Halifax** (March 7/16) – CRISPR discovery, research funding
- 2016 **Global News Interview** (March 5/16) – "Halifax scientist's breakthrough gene work stalled by lack of funding" (Television and Web)
- 2016 **Dalhousie Press Release** (March 4/16) – "Dal researcher develops technique for enhancing gene therapy" (Web)
- 2016 **Dispatch Tribunal** (March 4/16) "Dal scientists develops technique that enhances gene therapy and makes it safe" (Web)
- 2016 **PHYS.ORG** (March 4/16) "Researcher develops technique for enhancing gene therapy" (Web)
- 2016 **CanadianJournal.net** (March 4/16) "Graham Dellaire: Halifax researcher develops technique for enhancing gene therapy" (Web)
- 2015 **CTV Morning News Interview** (Nov 2/15) – **Movember 2015** (Television)
- 2015 **Quote in newspaper article, Chronicle Herald** (May 16/15) – "Weekend Focus: Health and privacy — what you know could hurt you"
- 2015 **Global News Interview** (April 23/15) – "Zebrafish research at Dalhousie offers hope for future cancer treatment"
- 2015 **Newspaper article, Chronicle Herald** (April 22/15) – "Zebrafish offer hope for treatment of rare cancer" (Television, and Web)
- 2015 **Article, Dal News (April 17/15)** – "Dal Zebrafish research tests safer, less toxic cancer therapies" (Web)
- 2015 **QEII Times – Advancing Breast Cancer Research** (Web, Print) (Feb. 21/15)
- 2015 **CBC News Interview** (Feb 5/15) – "Dalhousie scientist hopes for boost in local Movember-funded research" (Television, Radio and Web)
- 2014 **CBC Radio Cape Breton Interview** – Cancer Fund Raising
- 2013 **CTV News Interview** – "Power of Movember: N.S. lab benefits from funds raised by 'hairy' campaign" (Television and Web)
- 2013 **Global TV News Interview** - Movember moustaches funding research (Television)
- 2013 **Newspaper interview, Chronicle Herald** – "2013 Inaugural Movember Team Grant"
- 2013 **Interview in Living Healthy Magazine Vol 6. No. 2:** "Research into aggressive prostate cancer treatment receives funding"
- 2009 **Radio interview NEWS FM95.7 - 2009 Molly Appeal**
- 2009 **Newspaper interview, Chronicle Herald - 2009 Molly Appeal**
- 2009 **Breakfast Television (CTV/A-Channel) Lab Interview** (Television)
- 2007 **Dalhousie Press Release** (May 30/07). "Medicine On the Move: New Dalhousie Medical School Cancer Researcher Seeks Biomarkers for treatment Success"
- 2007 **The Philanthropist (Dalhousie Medical Research Foundation Newsletter), Spring 2007:** "Unlocking the Secrets of the Nucleus"

B) TRAINING OF HIGHLY QUALIFIED PERSONELL (HQP)

**TOTAL Trainees:63=31 B.Sc., 10 M.Sc., 5 Ph.D., 5 PDF, 2 Med. Students, 3 Tech, 4 RA,
and 3 Residents**

Medical Residents

- 2016-2017** Dr. Michael Ha, Resident, Dept. of Radiation Oncology, Dalhousie University, Halifax, Nova Scotia.
- 2012-2015** Dr. Clinton Campbell, Resident, Dept. of Pathology, Dalhousie University, Halifax, Nova Scotia.
- 2012-2013** Dr. Marlon Hagerty, Resident, Dept. of Radiation Oncology, Dalhousie University, Halifax, Nova Scotia.

Research Associates

- 2015-present** Dr. Jayme Salsman (Ph.D), Research Associate, Dept. of Pathology, Dalhousie University, Halifax, Nova Scotia.
- 2015-2016** Dr. Dale Corkery (Ph.D), Research Associate, Dept. of Pathology, Dalhousie University, Halifax , Nova Scotia

Postdoctoral

- 2014-2015** Dr. Alice Holly (Ph.D), Postdoctoral Fellow, Dept. of Pathology, Dalhousie University, Halifax, Nova Scotia. *Currently an account manager Cambridge BioScience Ltd., Cambridge, UK.*
- 2012-2015** Dr. Jordan Pinder (Ph.D), Postdoctoral Fellow, Dept. of Pathology, Dalhousie University, Halifax, Nova Scotia. *Currently a photographer and proprietor of Scotia Shots Photography (Bridgewater, NS).*
- 2011-2014** Dr. Jayme Salsman (Ph.D), Postdoctoral Fellow, Dept. of Pathology, Dalhousie University, Halifax, Nova Scotia.
- 2011-2012** Dr. Tugce Balci(Co-supervised with Dr. Jason Berman, Dept. of Microbiology and Immunology), Dalhousie University, Halifax, Canada. *Currently a resident in Medical Genetics Program, University of Ottawa*
- 2009-2011** Dr. Kendra Cann (Ph.D), Postdoctoral Fellow, Dept. of Pathology, Dalhousie University, Halifax, Nova Scotia. *Currently a Patent Lawyer with Smart & Biggar, Fetherstonhaugh, Canada's largest firm practising exclusively in intellectual property and technology law, with offices in Ottawa, Toronto, Montreal, Vancouver and Calgary.*

Graduate student

Currently supervised

- 2016-present** Livia Clarke (M.Sc. candidate) Dept. of Pathology, Dalhousie University, Halifax, Canada
- 2015-present** Livia E. Anthes (M.Sc. candidate) Dept. of Pathology, Dalhousie University, Halifax, Canada
- 2014-present** Corey Filiaggi (M.Sc. candidate) (Co-supervised with Dr. Jason Berman), Dept. of Pathology, Dalhousie University, Halifax, Canada

2012–present Vinothkumar Rajan (Ph.D. candidate) (Co-supervised with Dr. Jason Berman),
Dept. of Pathology, Dalhousie University, Halifax, Canada

2012–present Dudley Chung (Ph.D. candidate), Dept. of Pathology, Dalhousie
University, Halifax, Canada

Graduated

2010-2016 Kathleen Attwood (Ph.D. candidate), Dept. of Biochemistry & Molecular,
Dalhousie University, Halifax, Canada Thesis Title: “*The role of nuclear
architecture in DNA repair*”

2010-2015 Sara Lahsae (M.Sc.)(Ph.D. candidate), Dept. of Pathology, Dalhousie
University, Halifax, Canada Thesis Title: “*Estrogen receptor alpha signalling
regulates the taxane response biomarker PRP4K*”

2009-2015 Dale Corkery (Ph.D. candidate), Dept. of Biochemistry & Molecular Biology,
Dalhousie University, Halifax, Canada Thesis Title: “*PRP4K is a Novel HER2-
Regulated Modifier of Anoikis and Taxane Resistance*”. Currently a postdoctoral
fellow at the Max Planck Institute in Dortmund, Germany

2012–2014 *Victoria Bentley (M.Sc.) (Co-supervised with Dr. Jason Berman),
Dept. of Pathology, Dalhousie University, Halifax, Canada *Primary Supervisor
Thesis Title: “*Zebrafish xenotransplantation as a preclinical therapeutic platform
for T-cell acute lymphoblastic leukemia.*” Currently in medical school at
Dalhousie University.

2010-2013 Chansey Veinotte (M.Sc.)(Co-supervised with Dr. Jason Berman)
Dept. of Microbiology and Immunology, Dalhousie University, Halifax, Canada
Thesis Title: “*Zebrafish xenotransplantation as a model to investigate metastatic
spread of pediatric sarcomas*”. Currently, in Medical School at Dalhousie
University.

2010-2013 Cassandra Hawco (M.Sc.)(Co-supervised with Dr. Alison Thompson),
Dept. of Chemistry, Dalhousie University, Halifax, Canada. Thesis Title:
“*Characterization of novel prodigiosin analogues as chemotherapy agents for
breast cancer*” Currently in Medical School at Memorial University, NFLD,
Canada

2009- 2011 Kathleen Fraser (M.Sc.) Faculty of Computer Science (Co-supervised with Dr.
Dirk Arnold, Faculty of Computer Science), Dalhousie University. Thesis Title:
“*Projected Barzilai-Borwein method with infeasible iterates for non-negative
image deconvolution*”. Completed at Ph.D. in artificial intelligence at the
University of Toronto and Co-founder of the start-up company Winterlight Labs
<http://www.winterlightlabs.com/>.

2008- 2011 Brenda Tse (M.Sc.), Dept. of Pathology, Dalhousie University, Halifax,
Canada. Thesis Title: “*Identification and characterization of PML isoform I-
specific protein-protein interactions*”. Currently, a research coordinator at the
B.C. Women’s and Children’s Hospital/ University of British Columbia,
Vancouver, Canada.

2008-2010 Jack Chen (M.Sc.), Dept. of Pathology, Dalhousie University, Halifax,
Canada. Thesis Title: “*The regulation of PML phosphorylation and protein
interaction in the DNA damage response pathway*”. Currently, at Postdoc at the
University of Warwick (UK).

2007-2009 Rosemarie Kepkay (M.Sc.), Dept. of Pathology, Dalhousie University, Halifax, Canada. "*The role of KAP1 in the control of PML nuclear body number*". *Currently practising family medicine with an MD from U of Ottawa, in Elmsdale Nova Scotia, Canada*

Medical Undergraduate (Research in Medicine Program (RIM))

2015 **Victoria Bentley** (Co-supervised with Dr. Jason Berman), Dalhousie University, Halifax, Canada

2014-2015 **Morgan MacDonald** (Co-supervised with Dr. Jason Berman), Dalhousie University, Halifax, Canada

Undergraduate

Honours Students

2016-2017 Noah Gawron, Dept. of Biology, Dalhousie University

2016-2017 DanDan Zhao, Dept. of Biochemistry & Molecular Biology, Dalhousie University

2013-2014 Alex Stathakis, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada. Currently in Medical School at Dalhousie University

2013-2014 Robyn Broekhuizen, (Co-supervised with Dr. Jason Berman) Dept. of Microbiology & Immunology, Dalhousie University, Halifax, Canada

2012-2013 Heidi Wong, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada. *Currently pursuing an M.Sc. in Hong Kong*

2012-2013 Paalini Sathiyaseelan, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada. Currently pursuing M.Sc. at UBC

2011-2012 Kirk Sinclair, (Co-supervised with Dr. Jason Berman) Dept. of Microbiology and Immunology, Dalhousie University, Halifax, Canada.

2010-2011 Alexandra Reda, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada. Currently pursuing M.Sc. at Dalhousie University

2010-2011 Anne Shen, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada

2009-2010 Winston Tan, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada. Currently in the Pharmacy program at Memorial University

2007-2008 Brenda Tse, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada

Co-Op Students

2011 Miles Luke, Dept. of Biology, Dalhousie University, Halifax, Canada. Currently in the Pharmacy program at the University of Toronto.

BIOL 3800 Students (Experiential Learning in Biology)

2017 Laura Rigg, Dept. of Biology, Dalhousie University

BIOC 3620 Students (Experiential Learning in Biochemistry & Molecular Biology)

2016 Kara Koskovich, Dept. of Biology, Dalhousie University

2013 Alex Stathakis, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada. Currently pursuing M.Sc. at Dalhousie University

2012 Paalini Sathiyaseelan, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada. Currently pursuing M.Sc. at UBC

Volunteer Students

2015 Alexandra Stephenson, Dept. of Biology, Dalhousie University, Halifax, Canada

2012-2013 Hannah Kingwell, Dept. of Psychology, Dalhousie University, Halifax, Canada

Summer Students

2016 DanDan Zhao, Dept. of Biochemistry & Molecular Biology, Dalhousie University (NSERC USRA)

2016 Kara Koskowich, Dept. of Biology, Dalhousie University (NSERC USRA)

2015 Kara Koskowich, Dept. of Biology, Dalhousie University (NSERC USRA)

2014-2015 Ellen Parker, Dept. of Biology, McGill University, Montreal

2013 Alex Stathakis, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada (NSERC USRA/Norah Stephens)

2013 Robyn Broekhuizen, Dept. of Microbiology & Immunology, Dalhousie University, Halifax, Canada

2013 Nathalia Mizuma, Science without Borders International Exchange – Brazil, Dalhousie University, Halifax, Canada

2012 Paalini Sathiyaseelan, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada (Norah Stephens)

2012 Casper Macaulay, Dept. of Chemistry, Dalhousie University, Halifax, Canada. (NSERC USRA)

2011 Kirk Sinclair, (Co-supervised with Dr. Jason Berman) Dept. of Microbiology and Immunology, Dalhousie University, Halifax, Canada.

2011 Alexandra Reda, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada. (Norah Stephens)

2010 Kathleen Attwood, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada (Norah Stephens)

2009 Winston Tan, Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada. Currently enrolled in the Pharmacy Program at Memorial University, NFLD

2008 MacGregor Grant, (Co-Supervised with Dr. Jan Rainey) Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada. Currently in B.Sc. program at Mount Allison University

2007 Brenda Tse, (Honours and Summer Student), Dept. of Biochemistry & Molecular Biology, Dalhousie University, Halifax, Canada

Technical Staff

Research Assistants

2016 Livia Eden Clarke (B.Sc.)

2014-2015 Esther Livia Anthes (B.Sc.)

Technicians

2015 Renee Raudonis (M.Sc)

2011- Joyce Chew (M.Sc)

2007-2010 Colleen Mitchell (B.Sc.)

C) ADMINISTRATION

Cross-Appointments

2007-present Department of Biochemistry & Molecular Biology, Dalhousie University,
Halifax, Canada

National Profession Committees

2010- present Atlantic Regional Representative of the Canadian Society of Biochemistry,
Molecular and Cellular Biology (CSBMCB).

Faculty and Departmental Committees

Directorship Positions

Current

2012- present Director of Research, Dept. of Pathology Research Committee, Dalhousie
University, Halifax, Canada

Past

2012- 2015 Director, Gamma Cell CORE, Faculty of Medicine, Dalhousie University,
Halifax, Canada

Chair Positions

Current

2011-present Chair, Dept. of Pathology Research Committee, Dalhousie
University, Halifax, Canada

2010-present Co-Chair Cancer Research Training Program (CRTP) Management
Committee, Dalhousie University, Halifax, Canada

Past

2015 Chair, Janigan Award Selection Committee, Dept. of Pathology, Dalhousie
University, Halifax, Canada

2013 Chair, Breast Cancer Stem Cell Selection Committee, Dept. of Pathology,
Dalhousie University, Halifax, Canada

2012 Chair, Cancer Stem Cell Selection Committee, Dept. of Pathology, Dalhousie
University, Halifax, Canada

Committees and Working Groups

Current

2015-present Member, Clinician Investigator Program (CIP) / Clinician Scientist
Graduate Program (CSGP), Dalhousie University, Halifax, Canada

2013-present Member, Next-Generation Sequencing and Molecular Diagnostics Working
Group, Dept. of Pathology, Dalhousie University, Halifax, Canada

- 2012-present** Member, Basic Heads Committee (in capacity as Director of Research in Pathology), Faculty of Medicine, Dalhousie University, Halifax, Canada
- 2011-present** Member, Histology and Research Service Laboratory Working Group, Dept. of Pathology, Dalhousie University, Halifax, Canada
- 2009- present** Member, Graduate Studies Committee, Dept. of Pathology, Dalhousie University, Halifax, Canada

Past

- 2016** Member, Review Committee for the Director of the Dept. of Biomedical Engineering, Dalhousie University, Halifax, Canada
- 2008-2015** Member, Working Group for the Cellular and Molecular Digital Imaging (CMDI) Facility, Faculty of Medicine, Dalhousie University, Halifax, Canada
- 2014** Member, Janigan Award Selection Committee, Dept. of Pathology, Dalhousie University, Halifax, Canada
- 2013** Member, Tier II CRC in Human Genetics/Genomics, Search and Selection Committee Dept. of Pharmacology, Dalhousie University, Halifax, Canada
- 2013** Member, Tier II CRC in Tissue Engineering, Search and Selection Committee Dept. of Biomedical Engineering, Dalhousie University, Halifax, Canada
- 2012** Member, Aquatron Advisory Committee, Dalhousie University, Halifax, Canada
- 2012** Member, Research Advisory Committee, Faculty of Medicine, Dalhousie University, CDHA, IWK Hospital, Halifax, Canada
- 2011-2012** Member, Breast Pathology, Selection Committee, Dept. of Pathology, Dalhousie University, Halifax, Canada
- 2011-2012** Member, Lymph Pathology, Selection Committee, Dept. of Pathology, Dalhousie University, Halifax, Canada
- 2011-2012** Member, Dermatopathology, Dept. of Pathology, Dalhousie University, Halifax, Canada
- 2011** Member, Tier II CRC in Human Genetics, Search and Selection Committee Dept. of Pathology, Dalhousie University, Halifax, Canada
- 2010** Member: Dr. Karen Bedard Reappointment Committee for the Dept. of Pathology Dalhousie University, Halifax, Canada
- 2008-2011** Member, Appointment and Promotion Committee, Dept. of Pathology, Dalhousie University, Halifax, Canada.

Judging

- 2016** Judge, Poster Presentations, BHCRI Cancer Research Conference, Halifax, Canada.
- 2009-2013** Judge, Biochemistry & Molecular Biology Honours Student presentations, Dalhousie University, Halifax, Canada
- 2008-2009** Judge, Graduate Student Research Day Poster Session, Faculty of Medicine, Dalhousie University, Halifax, Canada.
- 2008** Judge, Oral Presentations, 10th Annual Nova Scotia Cancer Symposium, Halifax, Canada.

Internal Grant Review

- 2014** Internal reviewer, for the Faculty of Medicine Research Office, 1 CIHR grant
2013 Internal reviewer, for the Faculty of Medicine Research Office, 2 CIHR grants
2012 Internal reviewer, for the Faculty of Medicine Research Office, 1 CIHR grant, and 1 NSERC grant

Peer-review

Grant and Award Committees/Panels

- 2016-2017** Member, College or Reviewers, Canadian Institutes of Health Research (CIHR) – Project Grants
2016 Member, Beatrice Hunter Cancer Research Institute (BHCRI) New Investigator award panel
2014-2015 Member, Early Detection of Prostate Cancer Grant Panel B, Prostate Cancer Canada (PCC)
2013 Member, Canadian Institutes of Health (CIHR) Cancer Biology and Therapeutics Grant Panel (Spring and Fall competitions)
2012-2013 Scientific Officer, Canadian Cancer Research Institute (CCSRI) Innovation Grant Committee, Biomarkers and Genomics Panel – declined in 2014
2012 Member, SPARK-Ontario Genome Institute Grant Committee
2012 Member, Terry Fox Research Institute (TFRI) - New Frontiers in Cancer Team Grant Committee
2008-2012 Canadian Institutes of Health Research (CIHR) “Doctoral Research Awards A and Canada Graduate Scholarships Master’s Award A” awards panel.
2008-2010 Ontario Institute of Cancer Research (OICR) Translational Grant Panel Toronto, Canada.
2007-2011 Canadian Association of Radiation Oncologists (CARO), Rapid AstraZeneca CARO Evaluation of Radiomodifiers (RAZCER) Grant Program Advisory Committee
2008-2009 Norah Stephen Basic Science Summer Studentship review panel, Dalhousie University, Halifax, Canada.
2008 AstraZeneca Graduate Student Award Committee, Dalhousie University, Halifax, Canada.
2007 Cancer Research Training Program Studentship Committee, Dalhousie University, Halifax, Canada.

External Reviewer

- 2017** Canada Research Chair Program (Tier 2)
2016 MITACS Accelerate Grant
2016 National Science and Engineering Research Council (NSERC) Discovery Grant
2015 Prostate Cancer UK: Movember Translational Research Grant
2015 MITACS Elevate Grant
2015 National Institutes of Health (NIH)(USA) Common Fund’s 4D Nucleome Program “*Study of Nuclear Bodies and Compartments*” RFA-RM-14-008 (Review Declined)
2015 Pancreatic Cancer UK - Research Innovation Award
2015 University of Toledo (USA) - Research Initiation Award Program

- 2014 Czech Science Foundation (GACR)
- 2014 Michael Smith Foundation for Health Research (MSFHR), New Investigator Award
- 2014 Pancreatic Cancer UK - Research Innovation Award
- 2013 Terry Fox Research Institute (TFRI) New Investigator Award
- 2013 NSERC Discovery Grant
- 2013 Czech Science Foundation (GACR)
- 2013 Cancer Research UK – Career Establishment Award
- 2012 TFRI New Frontiers Team Grant
- 2012 Canadian Breast Cancer Foundation (CBCF) - Prairies
- 2012 Biotechnology, Biological Sciences Research Council (BBSRC) UK
- 2011 Canadian Foundation for Innovation (CFI) Leaders Opportunity Fund (LOF) Award
- 2011 Czech Science Foundation (GACR)
- 2010 NSERC Discovery Grant
- 2010 Collaborative Health Research Program (CHRP) Grant (NSERC/CIHR)
- 2010 External Reviewer for L'Agence Nationale de la Recherche (ANR) - France
- 2009 Michael Smith Foundation for Health Research (MSFHR) Research Trainee Program Award (British Columbia, Canada)
- 2009 CFI Leaders Opportunity Fund (LOF) Award
- 2008 NSERC Discovery Grant
- 2008 Medical Research Council (MRC) UK Research Grant
- 2007 Fonds zur Förderung der wissenschaftlichen Forschung (FWF)- Austrian Science Fund Operating Grant Competition
- 2007 NSERC Idea to Innovation Program

Book Reviews:

- 2013 Review of “**In situ Molecular Pathology and Co-Expression Analysis**”, Gerard J. Nuovo, Elsevier/Academic Press, 2013, for the **Can. J. Path** 2013, 5(4):151.
- 2001 Review of “**The Hierarchical Genome and Differentiation Waves — Novel Unification of Development, Genetics and Evolution**”, Richard Gordon, World Scientific/Imperial College Press, 1999, for the journal **Heredity** 2001, 87:254–255

Reviewer for 33 different journals in the past 9 years (number of times), including:

Annals of Human Genetics (1), Biochemistry and Cell Biology (1), BMC Cancer (1), BMC Genomics, BMC Molecular Biology (1), Can J. Phys-Pharmacol (1), Cancer Research (1), Cancer Letters (1), Cell Cycle (2), Chromosoma (2), Current Biology(3), EMBO Journal(2), Experimental Cell Research (2), FEBs Letters (1), Frontiers in Cancer Genetics (1), Heredity(1), Journal of Cell Biology(3), Journal of Cell Science (6), Journal of Gerontology (1), Journal of Molecular Biology (1), Journal of Pathology (1), Journal of Structural Biology (1), Molecular Cancer Research (1), Molecular Cancer Research (4), Molecular Cancer Therapeutics (2), Molecular and Cellular Biology (3), Molecular Cell (1), Molecular Biology of the Cell (3), Nature Cell Biology (1), and Oncogene (1), PLoS Genetics (1), PLoS ONE (1), PLoS Pathology (1).

TOTAL: 54 manuscripts

D) TEACHING

Teaching Awards and Recognition

2013 **Janigan Teaching Award**, Dept. of Pathology, Dalhousie University, Halifax, Canada

Training Program Development and Administration

2012-2016 **Development and update of PATH 5040** "*Pathobiology of Cancer*"
2010-present **Co-Chair Cancer Research Training Program (CRTP) Management Committee**, Dalhousie University, Halifax, Canada

Text Books

2016 **The Functional Nucleus**. Eds. **Dellaire** and Bazett-Jones. Springer DE. ISBN: 978-3-319-38882-3
2014 **Cancer Genomics: From bench to personalized medicine**. Eds. **Dellaire**, Berman, Arceci. Elsevier. ISBN: 0123969670
2010 Issues Essay Supplement: "*Cancer Biomarkers: What are they and when do we use them?*" **Biology 8th ed**, Campbell and Reece, Pearson/Benjamin Cummings Publishing Inc., New York

Courses

(# students)

2016 **PATH 5040** "*Pathobiology of Cancer*", coordinator and lecturer (9)
2016 **BIOC 5910** "*Biochemistry Seminar*" seminar/abstract marking (10)
2014 **PATH 5040** "*Pathobiology of Cancer*", coordinator and lecturer (7)
2013-14 **BIOC 4604/4605** "*Honours' Project*", supervisor (1)
2013-14 **MICI 4900** "*Honours Research and Thesis*", supervisor (1)
2013 **BIOC 3620** "*Experiential Learning in Biochemistry & Molecular Biology*" (1)
2012-13 **BIOC 4604/4605** "*Honours' Project*", supervisor (2)
2012 **BIOC 3620** "*Experiential Learning in Biochemistry & Molecular Biology*" (1)
2012 **PATH 5040** "*Pathobiology of Cancer*", co-coordinator and lecturer (7)
2012 **PATH 5027** "*Molecular Mechanisms in Cancer*", co-lecturer (10)
2011-12 **BIOC 4604/4605** "*Honours' Project*", supervisor (1)
2010-11 **BIOC 4604/4605** "*Honours' Project*", supervisor (1)
2010 **PATH 5027** "*Molecular Mechanisms in Cancer*", co-lecturer (10)
2010 **PATH 5066/BIOC5001**: Directed reading course, "*DNA Repair*"
Coordinator and lecturer (2)
2009 **Grader for Biochemistry & Molecular Biology Seminar Course**, Dalhousie University, Halifax, Canada
2009 **PATH 5027** "*Molecular Mechanisms in Cancer*" - CANCELLED
2007 **PATH 5066**: Directed reading course, "*Molecular Mechanisms of DNA Repair*"
Coordinator and lecturer (1)

Medical Undergraduate Education

2012 **Laboratory Tour, Foundations I Unit**

- 2011 **Laboratory Tour, Foundations I Unit**
2009 **Participant in the Accreditation review of Dalhousie University by the Liaison Committee on Medical Education (LCME) (interviewee)**

Pathology Resident Training Program (CDHA/Dalhousie University)

- 2015 **Molecular Pathology Rotation, Lecture:** “*Cancer Genomics and interpreting genomic information for clinical care*” (5 residents)
2013 **Molecular Pathology Rotation, Lecture:** “*Cancer Genomics and interpreting genomic information for clinical care*” (5 residents)

Continuing Medical Education (CME)

- 2012 **Dellaire, G.** (February 9) “*Using Human Cancer Xenotransplantation in the Zebra Fish as a Novel Tumor Model for Anti-Cancer Drug Discovery*” Dept. of Pathology Grand Rounds, **Capital Health/Dalhousie University Faculty of Medicine**, Halifax, Canada.
2011 **Panel Member, Integrated Health Learning Program (IH RTP) Grant Mentoring Days, Mock Studentship Panel**
2008 **Dellaire, G.** (January 10) “*Nuclear bodies and Cancer*” Grand Rounds, **Capital Health/IWK Health Centre/Dalhousie University Faculty of Medicine**, Halifax, Canada.

Public Education and Community Engagement

- 2017 **Speaker/Panel member, Café Scientific – Gene Therapy** (Halifax, Canada)
2017 **Keynote Speaker, Nova Scotia Institute of Science Keynote Speaker, Nova Scotia Institute of Science – “How to edit a Genome”**, (Halifax, Canada)
2016 **Halifax Prostate Cancer Survivor’s Support Group – Talk** an event to raise awareness about research in prostate cancer in Nova Scotia men’s health (Halifax, Canada)
2015 **MoTalks, Plenary Talk - Movember** sponsored event to raise awareness about men’s health (Halifax, Canada)
2014 **Canadian Breast Cancer Foundation-Atlantic Laboratory Tour**
2014 **S for Science Club, Nashwaaksis Middle School Lab Tour**
<http://nms-sforscienceclub.weebly.com/>
2012 **Canadian Medical Hall of Fame - Discovery Day Workshop:** “*Fishing for a Cure – Using zebrafish to study cancer*”, Dalhousie University, Halifax, Canada
2010 **Canadian Medical Hall of Fame - Discovery Day Workshop:** “*Cancer Close-up: Fluorescence microscopy of cancer cells*”, Dalhousie University, Halifax, Canada
2010 **Terry Fox Cancer Foundation High School Student Lab Tour**
2010 **Dalhousie Medical Research Foundation (DMRF) Young President's Organization (YPO) Lab Tour** (<http://www.ypo.org/>)
2009 **Terry Fox Cancer Foundation High School Student Lab Tour**
2009 **Breakfast Television Interview, A Channel (CTV)**, Halifax, Canada

E) OTHER SCIENTIFIC CONTRIBUTIONS

Professional Society Membership

2013-present **Microscopy Society of Canada (MSC)**

2010-present **Canadian Society for Molecular Biosciences (CSMB)**

Conference, Meetings and Workshops

- 2015** **Session Co-Chair, “The Genome Editing Revolution”, 2015 Canadian Cancer Research Conference Organizing Committee, (Nov. 8th), Montreal, Canada**
- 2014** ***Co-organizer/Chair. “Atlantic Canada GU Bio-Bank Workshop”, Halifax, Canada *Co-organized with Dr. John Thoms (Memorial University, NFLD)**
- 2014-2015** **Member, 2015 Canadian Cancer Research Conference Organizing Committee**
- 2011-2015** **Chair of Organizing Committee for Dept. of Pathology Research Day 2014 – DMRF Picchione Visiting Scholar Awarded to Dr. Stuart Orkin (Dana Farber, Harvard University)**
- 2011 – DMRF Picchione Visiting Scholar Awarded to Dr. Robert Bristow (Ontario Cancer Institute, University of Toronto)**
- 2013** **Session Chair, Rapid Fire Abstracts in DNA Repair and Genome Instability, Canadian Cancer Research Conference (Nov. 4th), Toronto, Canada**
- 2012** **Scientific Organizing Committee, Microscopy Society of Canada (MSC) Annual Meeting (June 5-8), Halifax, Canada**
- 2012** **Workshop Co-organizer with Dr. Claire Brown (McGill)(June 8) – 3D In vivo Imaging, Halifax, Canada**
- 2007** **Session Chair, Department of Pathology, Dalhousie University, Research Symposium, Halifax, Canada**
- 2004-2006** **Co-founder and organizer, Toronto Nucleus, Toronto, Canada. A monthly meeting of Toronto researchers studying nuclear function.**
- 1999** **Workshop: The Human Genome Project, University of Edinburgh, UK.**
I developed and taught a one day workshop on the Human Genome Project for the Scottish Central Council for the Curriculum. Included an interactive website I designed.

GenBank Submissions

- 2013** Homo sapiens synaptopodin 2 (SYNPO2) isoform 4 mRNA, complete cds (KF147165)
- 2013** Homo sapiens eukaryotic translation initiation factor 3 subunit K isoform 2 (EIF3K) mRNA, complete cds, alternatively spliced (JX870647)
- 2002** Homo sapiens PRP4 kinase (PRP4K) mRNA, complete cds (AF283465)
- 2002** Mus musculus PRP4 kinase (Prp4k) mRNA, complete cds (AF283466)
- 2000** Homo sapiens ATP-dependent chromatin remodelling protein (ACF1) mRNA, complete cds (AF213467)

Web sites, Databases and other Internet Resources:

- 2001-** Nuclear Protein Database (NPD) <http://npd.hgu.mrc.ac.uk/>
- Reviewed by J. of Cell Sci, Nat. Rev. Genet. and Science.
- 1999-2002** Recombination Pages (web site)
- Resource for information on the recombination of DNA on the Internet
- 1999-2002** CanOasis (1999-2002) (web site, job listing)
- A resource to help expatriate Canadian researchers find work in Canada
- 1996-2002** Experimental Medicine Job Listing (EMJL)
<http://www.medicine.mcgill.ca/expmed/emjl/>
- 1996-2002** News Groups: bionet.genome.gene-structure & bionet.molbio.recombination