

Laura K. Hilton, PhD

Curriculum Vitae

Education

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- 2013 PhD, Molecular Biology and Biochemistry, Simon Fraser University
Advisor: Dr. Lynne Quarmby
Thesis: The NIMA-Related Kinases as Regulators of Ciliary Assembly and Disassembly
- 2008 BSc Hons with Distinction, Molecular Biology and Biochemistry, Simon Fraser University
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Appointments

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| Jan. 2022 – Present | Adjunct Professor, Molecular Biology and Biochemistry, Simon Fraser University |
| Feb. 2020 – Present | Staff Scientist, Lymphoid Cancer Research, BC Cancer Research Centre
Research interests: Genomic and transcriptomic approaches to characterizing and classifying non-Hodgkin lymphomas; tumour evolution and lymphomagenesis. |
| Feb. 2018 – Jan. 2020 | Postdoctoral Fellow, Morin Lab, Molecular Biology and Biochemistry, Simon Fraser University
Research interests: Whole genome and targeted sequencing approaches to identify genetic drivers of therapeutic resistance in non-Hodgkin lymphoma. |
| Sep. 2019 – Dec. 2019 | Sessional Instructor, Molecular Biology and Biochemistry, Simon Fraser University.
Course: MBB 460/829, combined undergraduate and graduate level course in Cancer Genomics |
| Sep. 2013 – Jan. 2017 | Postdoctoral Research Assistant, Quarmby Lab, Molecular Biology and Biochemistry, Simon Fraser University |
| Aug. 2015 – Mar. 2017 | Visiting Teaching Fellow, Life Sciences, Quest University Canada. |

Awards and Honours

2019	15-ICML Travel Award for Top 10-ranked Abstract
2013	SFU Faculty of Science Graduate Teaching Assistant Award
2013	Brandhorst Graduate Prize for Best Publication by an MBB Graduate Student
2013	SFU Graduate Student Research Award
2013	Bruce Brandhorst Graduate Award – Best Oral Presentation
2010-2012	NSERC Alexander Graham Bell Canada Graduate Scholarship – Doctoral
2012	IODE Seaman Morley Scott Memorial Graduate Scholarship
2012	Phyllis Carter Burr Graduate Scholarship in Developmental Biology and Cell Biology
2012	SFU Graduate Fellowship
2011	SFU President's Research Stipend
2008-2010	NSERC Alexander Graham Bell Canada Graduate Scholarship – Masters

Publications

Published Peer-Reviewed Articles and Preprints

39 total; 12 as (co-)first author

*Equal contributions

Alduaij, W., Jiang, A., Villa, D., Collinge, B., Ben-Neriah, S., Boyle, M., Meissner, B., Hilton, L.K., Farinha, P., Slack, G.W., Craig, J.W., Gerrie, A.S., Freeman, C.L., Mungall, A.J., Steidl, C., Sehn, L.H., Scott, D.W., Savage, K.J., **2025. CNS relapse in high-grade B-cell lymphoma with MYC and BCL2 rearrangements and dark-zone signature-expressing DLBCL.** *Blood.* **145**, 590–596.

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Champagne, J.-N., Villa, D., Gerrie, A.S., Venner, C.P., Slack, G.W., Farinha, P., Craig, J.W., Hilton, L.K., Savage, K.J., Scott, D.W., Sehn, L.H., **2025. Retreatment with R-CHOP-like Therapy in Patients with Late Relapse of Diffuse Large B-Cell Lymphoma.** *Blood Adv.* bloodadvances.2025017620.

Collinge, B., Hilton, L.K., Wong, J., Alduaij, W., Ben-Neriah, S., Slack, G.W., Farinha, P., Boyle, M., Meissner, B., Cook, J.R., Ott, G., Rosenwald, A., Campo, E., Amador, C., Greiner, T.C., Raess, P.W., Song, J.Y., Inghirami, G., Ondrejka, S.L., Jaffe, E.S., Weisenburger, D.D., Chan, W.C., Holte, H., Beiske, K., Fu, K., Delabie, J., Pittaluga, S., Iqbal, J., Wright, G., Savage, K.J., Mungall, A.J., Staudt, L.M., Steidl, C., Feldman, A.L., Morin, R.D., Rimsza, L.M., Scott, D.W.,

- 2025. High-grade B-cell lymphoma, not otherwise specified: An LLMPP study.** *Blood Adv.* **9**, 5409–5422.
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- Feldman, A.L., Dasari, S., Rimsza, L.M., Scott, D.W., Oishi, N., Hu, G., Farinha, P., Amador, C., Campo, E., Chan, W.C., Cook, J.R., Delabie, J., Fu, K., Greiner, T.C., Hilton, L.K., Inghirami, G.G., Iqbal, J., Jaffe, E.S., Morin, R., Ondrejka, S.L., Ott, G., Pittaluga, S., Raess, P.W., Rosenwald, A., Savage, K.J., Slack, G.W., Slager, S.L., Song, J.Y., Wright, G., Wang, H.-W., Zeng, Y., Yoshino, T., Wu, X., Wilcox, R.A., Wang, X., Shi, M., Satou, A., Perry, A.M., Miranda, R.N., Medeiros, L.J.J., Maurer, M.J., Mou, E., Ko, Y.H., Karube, K., Kahl, B.S., Jiang, L., Jaye, D.L., Gru, A., de Leval, L.L., Chen, W., Chapman, J.R., Cerhan, J.R., Barrionuevo, C., Ansell, S.M., Aljudi, A., **2025. Gene expression profiling reveals two overarching types of ALCL with distinct targetable biology: An LLMPP study.** *Blood.* blood.2024027700.
- Hilton, L.K., Collinge, B., Scott, D.W., **2025. Genomic Taxonomy of Aggressive B-Cell Lymphoid Neoplasms.** *Annu Rev Pathol.*
- Klossok, L., Dreval, K., Cruz, M., Wong, J.C.H., Gillis, S., Collinge, B., Steidl, C., Scott, D.W., Hilton, L.K., Morin, R.D., **2025. DLBClone: A unified framework for neighbourhood-based genetic subtyping of lymphomas.** *medRxiv*. 2025.09.18.25335809.
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- Nadeu, F., Shuai, S., Clot, G., Hilton, L.K., Diaz-Navarro, A., Martín, S., Royo, R., Baumann, T., Kulic, M., López-Oreja, I., Cossio, M., Lu, J., Ljungström, V., Young, E., Plevova, K., Knisbacher, B.A., Lin, Z., Hahn, C.K., Bousquets, P., Alcoceba, M., González, M., Colado, E., Payer, Á.R., Aymerich, M., Terol, M.J., Rivas-Delgado, A., Enjuanes, A., Ruiz-Gaspà, S., Chatzikonstantinou, T., Hägerstrand, D., Jylhä, C., Skaftason, A., Mansouri, L., Stranska, K., Doubek, M., van Gastel-Mol, E.J., Davis, Z., Walewska, R., Scarfò, L., Trentin, L., Visentin, A., Parikh, S.A., Rabe, K.G., Moia, R., Armand, M., Rossi, D., Davi, F., Gaidano, G., Kay, N.E., Shanafelt, T.D., Ghia, P., Oscier, D., Langerak, A.W., Beà, S., López-Guillermo, A., Neuberg, D., Wu, C.J., Getz, G., Pospisilova, S., Stamatopoulos, K., Rosenquist, R., Huber, W., Zenz, T., Colomer, D., Martín-Subero, J.I., Delgado, J., Morin, R.D., Stein, L.D., Puente, X.S., Campo, E., **2025. Disease-specific U1 spliceosomal RNA mutations in mature B-cell neoplasms.** *Leukemia.* **39**, 2076–2086.
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- Thomas, N., García-Prieto, C.A., Dreval, K., Hilton, L.K., Abramson, J.S., Bartlett, N.L., Bethony, J., Bowen, J., Bryan, A.C., Casper, C., Dyer, M.A., Gastier-Foster, J.M., Gerrie, A.S., Greiner, T.C., Griner, N.B., Gross, T.G., Harris, N., Irvin, J.D., Jaffe, E.S., Leal, F.E., Mbulaiteye, S.M., Mullighan, C.G., Mungall, A.J., Mungall, K.L., Namirembe, C., Noy, A., Ogwang, M.D., Orem, J.,

- Ott, G., Petrello, H., Reynolds, S.J., Swerdlow, S.H., Traverse-Glehen, A., Wilson, W.H., Marra, M.A., Staudt, L.M., Scott, D.W., Esteller, M., Morin, R.D., **2025.** DNA Methylation Epitypes of Burkitt Lymphoma with Distinct Molecular and Clinical Features. *Blood Cancer Discov.* **6**, 325–342.
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- Collinge, B., Ben-Neriah, S., Hilton, L.K., Alduaij, W., Tucker, T., Slack, G.W., Farinha, P., Craig, J.W., Boyle, M., Meissner, B., Villa, D., Gerrie, A.S., Sehn, L.H., Savage, K.J., Morin, R.D., Mungall, A.J., Steidl, C., Scott, D.W., **2024.** Unbalanced MYC break-apart FISH patterns indicate the presence of a MYC rearrangement in HGBCL-DH-BCL2. *Blood.* **144**, 1611–1616.
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- Hilton, L.K., Collinge, B., Ben-Neriah, S., Alduaij, W., Shaalan, H., Weng, A.P., Cruz, M., Slack, G.W., Farinha, P., Miyata-Takata, T., Boyle, M., Meissner, B., Cook, J.R., Ondrejka, S.L., Ott, G., Rosenwald, A., Campo, E., Amador, C., Greiner, T.C., Raess, P.W., Song, J.Y., Inghirami, G., Jaffe, E.S., Weisenburger, D.D., Chan, W.C., Beiske, K., Fu, K., Delabie, J., Pittaluga, S., Iqbal, J., Wright, G., Sehn, L.H., Savage, K.J., Mungall, A.J., Feldman, A.L., Staudt, L.M., Steidl, C., Rimsza, L.M., Morin, R.D., Scott, D.W., **2024.** Motive and opportunity: MYC rearrangements in high-grade B-cell lymphoma with MYC and BCL2 rearrangements (an LLMP study). *Blood.* **144**, 525–540.
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- Alduaij, W., Collinge, B., Ben-Neriah, S., Jiang, A., Hilton, L.K., Boyle, M., Meissner, B., Chong, L., Miyata-Takata, T., Slack, G.W., Farinha, P., Craig, J.W., Lytle, A., Savage, K.J., Villa, D., Gerrie, A.S., Freeman, C.L., Gascoyne, R.D., Connors, J.M., Morin, R.D., Sehn, L.H., Mungall, A.J., Steidl, C., Scott, D.W., **2023.** Molecular determinants of clinical outcomes in a real-world diffuse large B-cell lymphoma population. *Blood.* **141**, 2493–2507.
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- Dreval, K., Hilton, L.K., Cruz, M., Shaalan, H., Ben-Neriah, S., Boyle, M., Collinge, B., Coyle, K.M., Duns, G., Farinha, P., Grande, B.M., Meissner, B., Pararajalingam, P., Rushton, C.K., Slack, G.W., Wong, J., Mungall, A.J., Marra, M.A., Connors, J.M., Steidl, C., Scott, D.W., Morin, R.D., **2023.** Genetic subdivisions of follicular lymphoma defined by distinct coding and noncoding mutation patterns. *Blood.* **142**, 561–573.
- Hilton, L.K., Scott, D.W., Morin, R.D., **2023.** Biological heterogeneity in diffuse large B-cell lymphoma. *Semin Hematol.* **60**, 267–276.
- Hilton, L.K., Ngu, H.S., Collinge, B., Dreval, K., Ben-Neriah, S., Rushton, C.K., Wong, J.C.H., Cruz, M., Roth, A., Boyle, M., Meissner, B., Slack, G.W., Farinha, P., Craig, J.W., Gerrie, A.S.,

- Freeman, C.L., Villa, D., Rodrigo, J.A., Song, K., Crump, M., Shepherd, L., Hay, A.E., Kuruvilla, J., Savage, K.J., Kridel, R., Karsan, A., Marra, M.A., Sehn, L.H., Steidl, C., Morin, R.D., Scott, D.W., **2023. Relapse Timing Is Associated With Distinct Evolutionary Dynamics in Diffuse Large B-Cell Lymphoma.** *J Clin Oncol.* **41**, 4164–4177.
- Sircar, A., Singh, S., Xu-Monette, Z.Y., Coyle, K.M., Hilton, L.K., Chavdoula, E., Ranganathan, P., Jain, N., Hanel, W., Tsichlis, P., Alinari, L., Peterson, B.R., Tao, J., Muthusamy, N., Baiocchi, R., Epperla, N., Young, K.H., Morin, R., Sehgal, L., **2023. Exploiting the fibroblast growth factor receptor-1 vulnerability to therapeutically restrict the MYC-EZH2-CDKN1C axis-driven proliferation in Mantle cell lymphoma.** *Leukemia.* **37**, 2094–2106.
- Thomas, N., Dreval, K., Gerhard, D.S., Hilton, L.K., Abramson, J.S., Ambinder, R.F., Barta, S., Bartlett, N.L., Bethony, J., Bhatia, K., Bowen, J., Bryan, A.C., Ceserman, E., Casper, C., Chadburn, A., Cruz, M., Dittmer, D.P., Dyer, M.A., Farinha, P., Gastier-Foster, J.M., Gerrie, A.S., Grande, B.M., Greiner, T., Griner, N.B., Gross, T.G., Harris, N.L., Irvin, J.D., Jaffe, E.S., Henry, D., Huppi, R., Leal, F.E., Lee, M.S., Martin, J.P., Martin, M.-R., Mbulaiteye, S.M., Mitsuyasu, R., Morris, V., Mullighan, C.G., Mungall, A.J., Mungall, K., Mutyaba, I., Nokta, M., Namirembe, C., Noy, A., Ogwang, M.D., Omoding, A., Orem, J., Ott, G., Petrello, H., Pittaluga, S., Phelan, J.D., Ramos, J.C., Ratner, L., Reynolds, S.J., Rubinstein, P.G., Sissolak, G., Slack, G., Soudi, S., Swerdlow, S.H., Traverse-Glehen, A., Wilson, W.H., Wong, J., Yarchoan, R., ZenKlusen, J.C., Marra, M.A., Staudt, L.M., Scott, D.W., Morin, R.D., **2023. Genetic subgroups inform on pathobiology in adult and pediatric Burkitt lymphoma.** *Blood.* **141**, 904–916.
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- Wang, X., Nissen, M., Gracias, D., Kusakabe, M., Simkin, G., Jiang, A., Duns, G., Sarkozy, C., Hilton, L., Chavez, E.A., Segat, G.C., Wong, R., Kim, J., Aoki, T., Islam, R., May, C., Hung, S., Tyshchenko, K., Brinkman, R.R., Hirst, M., Karsan, A., Freeman, C., Sehn, L.H., Morin, R.D., Roth, A.J., Savage, K.J., Craig, J.W., Shah, S.P., Steidl, C., Scott, D.W., Weng, A.P., **2022. Single-cell profiling reveals a memory B cell-like subtype of follicular lymphoma with increased transformation risk.** *Nat Commun.* **13**, 6772.
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- or obinutuzumab treatment. *Blood Adv.* **5**, 2945–2957.
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- *Jiang, A., *Hilton, L.K., Tang, J., Rushton, C.K., Grande, B.M., Scott, D.W., Morin, R.D., **2020**. PRPS-ST: A protocol-agnostic self-training method for gene expression-based classification of blood cancers. *Blood Cancer Discov.* **1**, 244–257.
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- Hilton, L.K., Meili, F., Buckoll, P.D., Rodriguez-Pike, J.C., Choutka, C.P., Kirschner, J.A., Warner, F., Lethan, M., Garces, F.A., Qi, J., Quarmby, L.M., **2016**. A Forward Genetic Screen and Whole Genome Sequencing Identify Deflagellation Defective Mutants in Chlamydomonas, Including Assignment of ADF1 as a TRP Channel. *G3 (Bethesda)* **6**, 3409–3418.
- Hilton, L.K., Gunawardane, K., Kim, J.W., Schwarz, M.C., Quarmby, L.M., **2013**. The kinases LF4 and CNK2 control ciliary length by feedback regulation of assembly and disassembly rates. *Curr Biol.* **23**, 2208–2214.
- *Parker, J.D.K., *Hilton, L.K., Diener, D.R., Rasi, M.Q., Mahjoub, M.R., Rosenbaum, J.L., Quarmby, L.M., **2010**. Centrioles are freed from cilia by severing prior to mitosis. *Cytoskeleton (Hoboken)* **67**, 425–430.
- Hilton, L.K., White, M.C., Quarmby, L.M., **2009**. The NIMA-related kinase NEK1 cycles through the nucleus. *Biochem Biophys Res Commun.* **389**, 52–56.

Invited Commentary

- Hilton, L.K., **2024**. A nu mouse model of diffuse large B-cell lymphoma in constitutional Atm loss. *Haematologica* **109**, 3841–3843.
- Hilton, L.K., Scott, D.W., **2021**. Harnessing Mitochondrial Mutations to ATAC Clonal Evolution in CLL. *Cancer Discov.* **11**, 2965–2967.
- Hilton, L.K., Quarmby, L.M., **2011**. Cilia. Nabi, I.R. (Ed.), Cellular Domains. Wiley, Hoboken.

Presentations

Invited Presentations

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- 2025 Plenary introduction: Diffuse large B-cell lymphoma classification and ancestry. American Society of Hematology Annual Meeting, Orlando, FL, USA.
- 2024 The Biology of Relapsed/Refractory DLBCL. Women in Lymphoma Webinar, virtual.
- 2023 The Biology and Evolution of Relapse in DLBCL. SWOG Fall 2023 Group Meeting, Chicago, IL.
- 2023 From Cell of Origin to Mutational Landscape 20 years of Evolving Molecular Classification in DLBCL. International Ultmann Chicago Lymphoma Symposium, Chicago, IL.
- 2022 Relapse Timing Is Associated with Distinct Evolutionary Dynamics and Response to Salvage Therapy in DLBCL. BC Cancer Summit, Vancouver, BC.
- 2021 Invited Departmental Seminar, Molecular Biology and Biochemistry, Simon Fraser University.
- 2021 Guest lecture on alternate academic career paths, MBB 801, Simon Fraser University, Canada.
- 2021 Guest lecture on lymphoma genomics and transcriptomics, Cancer Biology, Quest University, Canada.
- 2020 Guest lecture on transcriptomic analysis, MBB 460/669 Cancer Genomics, Simon Fraser University, Canada.
- 2020 Guest lecture on alternate academic career paths, MBB 801, Simon Fraser University, Canada.
- 2019 Oxford Nanopore long-read sequencing to refine somatic variant identification. Precision Medicine and Ion Channel Retreat, Vancouver, BC.
- 2016 From Cilia to Climate Change: The Algae Connection. Hot Topics in Science Seminar, Quest University Canada.
- 2017 Forward Genetics in the Era of Next Gen Sequencing. Guest Lecture, BIOL436 Intro to Functional Genomics, UBC.
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Conference Oral Presentations

- Alduaij, W., Sehn, L.H., Champagne, J., Collinge, B., Ben-Neriah, S., Jiang, A., Hilton, L.K., Boyle, M., Meissner, B., Slack, G.W., Farinha, P., Craig, J.W., Savage, K.J., Villa, D., Gerrie, A.S., Freeman, C.L., Mungall, A.J., Steidl, C., Scott, D.W., **2025**. Population-Wide Introduction of Dose-Adjusted Epoch-R in High-Grade B-Cell Lymphoma with Myc and Bcl2 Rearrangements with Dlbcl Morphology. International Conference on Malignant Lymphoma. Lugano, CH.
- Fong, A., Collinge, B., Hilton, L.K., Rai, S., Cassidy, C., Ben-Neriah, S., Boyle, M., Telenius, A., Meissner, B., Farinha, P., Lytle, A., Slack, G., Venturrti, L., Roth, A., Steidl, C., Morin, R.D., Scott, D.W., **2025**. Multi-Omic Profiling of Dark Zone Lymphomas Uncovers Dysregulated Gene Regulatory Networks Reflecting Dz-Lz B-Cell Transition Dynamics. International Conference on Malignant Lymphoma. Lugano, CH.
- Hilton, L.K., Fujisawa, M., Tse, E., Sarkozy, C., Lo, A.C., Dreval, K., Meissner, B., Boyle, M., Craig, J.W., Slack, G.W., Farinha, P., Lytle, A., Freeman, C.L., Gerrie, A.S., Villa, D., Savage, K.J.,

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- Pelzer, B., Meydan, C., Spiegel, I., Karagiannidis, I., Xia, M., Teater, M., Welter, E., Searcy, Z., Hilton, L., Barisic, D., Fa, P., Sethi, S., Isgor, I., Fielding, J., Karbalyhareh, A., Burdette, C., Tumuluru, S., Debek, S., Lee, S., Massoni-Badosa, R., Durmaz, C., Salataj, E., Pararajalingam, P., Chen, Z., Pelzl, R., Shah, S., Rivas, M., Hoehn, K., Mlynarczyk, C., Isles, H., Dogan, A., Elenitoba-Johnson, K., Scott, D., Dreval, K., Morin, R., Leslie, C., Puri, R., Geri, J., Chin, C., Chadburn, A., Mason, C., Reinhardt, H.C., Anguera, M., Béguelin, W., Venturutti, L., Melnick, A., **2025**. Spen loss drives extra-follicular diffuse large B cell lymphoma with female-specific lethality and TLR pathway therapeutic vulnerabilities. American Society of Hematology Annual Meeting. Orlando, FL, USA.
- Russler-Germain, D.A., Li, X., Singhal, K., Deng, Q., Chihara, D., Hussein, U., Foltz, J.A., Henderson, J., Wilson, A., Tobin, J., Gandhi, M.K., Schmidt, E., Nizamuddin, I., Dinh, T., Sun, R., Kesaraju, A., Hilton, L., Scott, D.W., Vega, F., Flowers, C.R., Westin, J.R., Griffith, O.L., Fehniger, T.A., Griffith, M., Green, M.R., **2025**. Large B-Cell Lymphoma Microenvironment Archetype Profiles (lymphomaps) Identify Subgroups with Greatest Benefit from Cd19 CAR T-Cell Therapy. International Conference on Malignant Lymphoma. Lugano, CH.
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- Rai, S., Aoki, T., Duns, G., Jiang, A., Lytle, A., Yin, Y., Kishida, M., Li, M.Y., Smorra, D., Lee, C., Milne, K., Telenius, A., O'Brien, L., Takata, K., Miyata-Takata, T., Boyle, M., Ben-Neriah, S., Weng, A.P., Roth, A., NelsonH, B.H., Hilton, L.K., Farinha, P., Savage, K.J., Scott, D.W., Steidl, C., **2024**. CSF2RB Mutations Result in Cytokine-Dependent Gain-of-Function Phenotypes in Classic Hodgkin Lymphoma. American Society of Hematology Annual Meeting. San Diego, CA, USA.
- Shaalan, H., Frontzek, F., Freeman, C.L., Lytle, A., Farinha, P., Alduaij, W., Ben-Neriah, S., Boyle, M., Meissner, B., Weng, A.P., Sehn, L.H., Steidl, C., Hilton, L., Scott, D.W., Morin, R., **2024**. A Novel Genetics-Based Classification of Advanced Follicular Lymphoma Identifies Prognostic Subgroups Following Bendamustine-Rituximab Immunochemotherapy. American Society of Hematology Annual Meeting. San Diego, CA, USA.
- Wong, J.C.H., Frontzek, F., Lytle, A., Collinge, B., Hilton, L., Ben-Neriah, S., Slack, G.W., Farinha, P., Gerrie, A.S., Li, Y., Kosnopfel, C., Cook, J.R., Salaverria, I., Campo, E., Ott, G., Rosenwald, A., Amador, C., Jaffe, E.S., Greiner, T.C., Raess, P.W., Song, J.Y., Inghirami, G., Weisenburger,

- D.D., Chan, W.C., Holte, H., Beiske, K., Fu, K., Delabie, J., Pittaluga, S., Feldman, A.L., Savage, K.J., Mungall, A.J., Steidl, C., Lenz, G., Rimsza, L.M., Morin, R., Scott, D.W., **2024**. Biological and Prognostic Subgroups of Plasmablastic Lymphoma Defined By EBV Status and MYC Rearrangement- an L.L.M.P.P. Study. American Society of Hematology Annual Meeting. San Diego, CA, USA.
- Bal, E., De Simone, P., Holmes, A.B., Hilton, L., Basso, K., Soni, R.K., Morin, R.D., Dalla-Favera, R., Pasqualucci, L., **2023**. [Btg2 Super-Enhancer Mutations Disrupt Tfap4 Binding and Dysregulate Btg2 Expression in Diffuse Large B-Cell Lymphoma](#). International Conference on Malignant Lymphoma. Lugano, CH.
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- Coyle, K.M., Qureshi, Q.U.A., Ruprai, B., Kang, T., Hilton, L.K., Dreval, K., Pararajalingam, P., Rushton, C.K., Thomas, N., Audas, T.E., Morin, R.D., **2022**. [Exploring Splicing Factor Aberrations As a Therapeutic Target in Mature B-Cell Malignancies](#). American Society of Hematology Annual Meeting. New Orleans, LA, USA.
- Hilton, L.K., Ngu, H.S., Collinge, B., Dreval, K., Ben-Neriah, S., Rushton, C.K., Wong, J., Cruz, M., Roth, A., Boyle, M., Meissner, B., Slack, G.W., Farinha, P., Craig, J.W., Gerrie, A.S., Freeman, C.L., Villa, D., Savage, K.J., Sehn, L.H., Marra, M.A., Karsan, A., Steidl, C., Morin, R.D., Scott, D.W., **2022**. Relapse Timing Is Associated with Distinct Evolutionary Dynamics and Response to Salvage Therapy in DLBCL. American Society of Hematology Annual Meeting. New Orleans, LA, USA.
- Thomas, N., Dreval, K., Gerhard, D.S., Hilton, L.K., Abramson, J.S., Bartlett, N.L., Bethony, J., Bowen, J., Bryan, A., Casper, C., Dyer, M., Esteller, M., Garcia-Prieto, C., Gastier-Foster, J.M., Gerrie, A.S., Grande, B.M., Greiner, T.C., Griner, N.B., Gross, T.G., Harris, N.L., Irvin, J.D., Jaffe, E.S., Leal, F., Martin, J.P., Martin, M.-R., Mbulaiteye, S.M., Mullighan, C.G., Mungall, A.J., Mungall, K., Namirembe, C., Noy, A., Ogwang, M.D., Orem, J., Ott, G., Petrello, H., Reynolds, S.J., Swerdlow, S.H., Traverse-Glehen, A., Wilson, W.H., Marra, M.A., Staudt, L.M., Scott, D.W., Morin, R.D., **2022**. [DNA Methylation-Based Burkitt Lymphoma Epitypes Have Distinct Molecular and Clinical Features](#). American Society of Hematology Annual Meeting. San Diego, CA, USA.
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- Collinge, B.J., Hilton, L.K., Wong, J., Ben-Neriah, S., Alduaij, W., Rushton, C.K., Slack, G.W., Farinha, P., Miyata-Takata, T., Cook, J.R., Ott, G., Rosenwald, A., Campo, E., Amador, C., Greiner, T.C., Raess, P.W., Song, J.Y., Inghirami, G., Jaffe, E.S., Weisenburger, D.D., Chan, W.C., Holte, H., Beiske, K., Fu, K., Delabie, J., Pittaluga, S., Feldman, A.L., Sehn, L.H., Savage, K.J., Mungall, A.J., Staudt, L.M., Steidl, C., Rimsza, L.M., Morin, R.D., Scott, D.W., **2021b**. [The Mutational Landscape of Double/Triple-Hit High-Grade B-Cell Lymphoma with Bcl2 Rearrangement \(dh/Th-Bcl2\) – an Llmp Project](#). International Conference on Malignant Lymphoma. Lugano, CH.
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- Griner, N.B., Gross, T.G., Harris, N.L., Irvin, J.D., Jaffe, E., Leal, F., Martin, J.P., Martin, M.-R., Mbulaiteye, S.M., Mullighan, C.G., Mungall, A.J., Mungall, K., Namirembe, C., Noy, A., Ogwang, M.D., Orem, J., Petrello, H., Reynolds, S.J., Swerdlow, S.H., Traverse-Glehen, A., Wilson, W.H., Marra, M.A., Staudt, L.M., Scott, D.W., Morin, R.D., **2021. Copy Number Variation Analysis Identifies Distinct Genomic Features in Adult Burkitt Lymphoma.** International Conference on Malignant Lymphoma. Lugano, CH.
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- Hilton, L.K., Collinge, B., Ben-Neriah, S., Grande, B.M., Slack, G.W., Farinha, P., Miyata-Takata, T., Cook, J.R., Ott, G., Rosenwald, A., Campo, E., Amador, C., Greiner, T.C., Raess, P.W., Song, J.Y., Inghirami, G., Jaffe, E.S., Weisenburger, D.D., Chan, W.C., Holte, H., Beiske, K., Fu, K., Delabie, J., Pittaluga, S., Feldman, A.L., Sehn, L.H., Savage, K.J., Mungall, A.J., Staudt, L.M., Steidl, C., Rimsza, L.M., Morin, R.D., Scott, D.W., **2021b. The Topology of Myc Rearrangements in Double-Hit Lymphoma Is Constrained by the Preceding IgH-Bcl2 Rearrangement – an Llmp Project.** International Conference on Malignant Lymphoma. Lugano, CH.
- Hilton, L.K., Collinge, B., Rushton, C.K., Ben-Neriah, S., Dreval, K., Grande, B.M., Boyle, M., Meissner, B., Slack, G.W., Farinha, P., Craig, J.W., Gerrie, A.S., Freeman, C., Villa, D., Savage, K.J., Sehn, L.H., Marra, M.A., Steidl, C., Morin, R.D., Scott, D.W., **2021a. Whole Genome Sequencing of Matched Primary and Relapsed Dlbcl Reveals Distinct Evolutionary Dynamics Associated with Relapse Timing.** International Conference on Malignant Lymphoma. Lugano, CH.
- Hilton, L.K., Collinge, B., Rushton, C.K., Ben-Neriah, S., Dreval, K., Grande, B.M., Boyle, M., Meissner, B., Slack, G.W., Farinha, P., Craig, J.W., Gerrie, A.S., Freeman, C., Villa, D., Savage, K.J., Sehn, L.H., Marra, M.A., Steidl, C., Morin, R.D., Scott, D.W., **2021b. Whole Genome Sequencing of Matched Primary and Relapsed Dlbcl Reveals Distinct Evolutionary Dynamics Associated with Relapse Timing.** International Conference on Malignant Lymphoma. Lugano, CH.
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- Hilton, L.K., Alcaide, M., Ben-Neriah, S., Jiang, A., Grande, B.m., Rushton, C.k., Boyle, M., Meissner, B., Scott, D.w., Morin, R.d., **2019. Cryptic Myc and Bcl2 Rearrangements Are Among a Range of Genetic Mechanisms Underlying the Double Hit Signature in Non-Double Hit Diffuse Large B-Cell Lymphoma.** International Conference on Malignant Lymphoma. Lugano, CH.
- Hilton, L.K., Gunawardane, K., Kim, J.W., Schwarz, M.C., Quarmby, L.M., **2013. The kinases LF4 and CNK2 control ciliary length by feedback control of assembly and disassembly rates.** American Society for Cell Biology Annual Meeting. New Orleans, LA, USA.

Conference Poster Presentations

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- Champagne, J.-N., Villa, D., Gerrie, A.S., Venner, C.P., Slack, G.W., Farinha, P., Craig, J.W., Hilton, L., Savage, K.J., Scott, D.W., Sehn, L.H., **2024. Retreatment with R-CHOP-like Therapy in Patients with Late Relapse of Diffuse Large B-Cell Lymphoma (DLBCL).** American Society of Hematology Annual Meeting. San Diego, CA, USA.
- Feldman, A.L., Hu, G., Dasari, S., Rimsza, L.M., Scott, D.W., Gimenez, J.B., Salama, F.M., Shi, M., Campo, E., Chan, W.C., Cook, J.R., Inghirami, G., Jaffe, E.S., Morin, R., Raess, P.W.,

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- Rai, S., Duns, G., Frontzek, F., Wong, J., Yin, Y., Healy, S., Li, M.Y., Kishida, M., Viganò, E., Fujisawa, M., Woolcock, B., Telenius, A., Meissner, B., Boyle, M., Nakamura, H., O'Brien, L., Lytle, A., Farinha, P., Slack, G.W., Hilton, L.K., Morin, R., Venturatti, L., Aoki, T., Savage, K.J., Scott, D.W., Steidl, C., **2024**. Multiomic Profiling Reveals Pleiotropic Effects of Somatic IRF4-C99R Mutations in Primary Mediastinal Large B-Cell Lymphomas. American Society of Hematology Annual Meeting. San Diego, CA, USA.
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- Cruz, M., Drevnal, K., Pararajalingam, P., Hilton, L., Wong, J., Rushton, C., Morin, R., **2023**. Large-Scale Genomic Analysis of Mutational Hotspots in Burkitt Lymphoma and Diffuse Large B-Cell Lymphoma. American Society of Hematology Annual Meeting. San Diego, CA, USA.
- Qureshi, Q.U.A., Coyle, K.M., Thomas, N., Collinge, B., Drevnal, K., Hilton, L., Wong, J., Scott, D.W., Audas, T., Morin, R., **2023**. Hnrnpa mutations Are Haploinsufficient and Alter the Transcriptome of MYC-Driven Lymphomas. American Society of Hematology Annual Meeting. San Diego, CA, USA.
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- Hilton, L.K., Gunawardane, K., Kim, J.W., Schwarz, M.C., Quarmby, L.M., **2013**. Chlamydomonas Cnk2-1 mutant supports a feedback model for ciliary length control. FASEB Biology of Cilia and Flagella. Niagara Falls, NY, USA.
- Hilton, L.K., Quarmby, L.M., **2012**. The ciliary kinase CNK2 triggers ciliary disassembly. American Association for the Advancement of Science Annual Meeting. Vancouver, BC, Canada.

Career Disruptions

Mar. 2014 – Sep. 2014	Parental Leave
Feb. 2017 – Feb. 2018	Parental Leave

Service

Anonymous Peer Review (2018-Present, Cumulative)

ASH Annual Meeting Abstracts (1), Blood (7), Haematologica (3), Journal of Clinical Oncology (3), Genome Medicine (1), Nature Communications (1), Blood Advances (8), Journal of Molecular Diagnostics (1), Cell Genomics (1).

Service to University and Community

2024-Present	Women in Lymphoma Steering Committee
2023-Present	Guider, Girl Guides of Canada
2019-2022	Secretary, Board of Directors, Lonsdale Creek Daycare Society
2012-2013	President, MBB Graduate Caucus
2012-2013	Student Representative, MBB Departmental Graduate Studies Committee
2011-2012	Secretary, MBB Graduate Caucus
