

32. **Lund, T. C.** "Research in Adrenoleukodystrophy", 2020 Webinar, X out ALD. (September 19, 2020).
33. **Lund, T. C., (Presenter)** "BMT for ALD: Who is going to do well?", ULF Meeting 2020, United Leukodystrophy Foundation, Saint Paul. (June 27, 2020).
34. **Lund, T. C.** "BMT and Life and Transplant", ALD Connect Webinar, ALD Connect. (June 11, 2020).
35. Van Haren, K., Bonkowsky, J., **Lund, T. C.**, Parker, A. "Panel: Future Therapies - gene therapy for cerebral ALD, gene therapy for AMN, small molecule therapy", ALD Family Weekend 2020. (May 3, 2020).
36. **Lund, T. C.** "Bone Marrow Transplant for Aspartylglucosaminuria - Outcomes", Neurogene Aspartylglucosaminuria Advisory Board Meeting, Neurogene, New York, New York. (November 9, 2019).
37. **Lund, T. C.** "Engraftment, Disease Remission & Clinical Trial Update", ALD Connect 2019 Annual Meeting, Boston, Massachusetts. (November 8, 2019).
38. **Lund, T. C.** "MPS Biomarkers", 2019 MPS I Newborn Screening Educational Meeting, University of Minnesota, Minneapolis, Minnesota. (September 25, 2019).
39. **Lund, T. C.** "Adrenoleukodystrophy", United Leukodystrophy Foundation Scientific Symposium, Itasca, Illinois. (June 27, 2019).
40. **Lund, T. C.** "Risks and Rewards: Stabilizing cALD", ALD Connect, Philadelphia, Pennsylvania. (November 3, 2018).
41. **Lund, T. C.** "Loss of Immune Tolerance in Cerebral ALD", United Leukodystrophy Foundation, Charlotte, North Carolina. (June 25, 2018).
42. **Lund, T. C.** "-Omics in Rare Disease", ALD Connect Industry Advisory Council, Boston, Massachusetts. (2017).
43. **Lund, T. C.** "CSF Biomarkers", Global Leukodystrophy Initiative Alliance Conference, Philadelphia, Pennsylvania. (November 10, 2017).
44. **Lund, T. C.** "Genetic risk factors for advanced ALD", United Leukodystrophy Foundation Scientific Symposium, Omaha, Nebraska. (July 31, 2016).
45. **Lund, T. C.** "Outcomes for cALD after hematopoietic cell transplant", United Leukodystrophy Foundation Scientific Symposium, Omaha, Nebraska. (July 31, 2016).
46. **Lund, T. C.** "Bone Marrow Transplant for ALD (Webinar)", ALD Connect. (May 19, 2016).
47. **Lund, T. C., (Author & Presenter)** "Blood and CSF Biomarker Screening in ALD", Emerging and Translational Biology of Leukodystrophies, Baltimore, Maryland. (May 14, 2016).
48. **Lund, T. C.** "Virtual Biorepository for ALD Connect", ALD Connect 2015 Annual Meeting, Boston, Massachusetts. (October 3, 2015).
49. **Lund, T. C.** "Hematological findings in the PEX1-G844D model", Scientific Meeting of the United Leukodystrophy Foundation/Global Foundation for Peroxisomal Disorders, Omaha, Nebraska. (July 17, 2015).
50. **Lund, T. C.** "Update on Biomarkers for Childhood ALD", Adrenoleukodystrophy Biomarker Summit, Boston, Massachusetts. (March 8, 2015).

51. **Lund, T. C.** "Biomarkers for Adrenoleukodystrophy", United Leukodystrophy Foundation Meeting/ALD Connect Joint Meeting, Baltimore, Maryland. (August 3, 2014).
52. **Lund, T. C.** "Outcomes of Bone Marrow Transplant for Adrenoleukodystrophy", United Leukodystrophy Foundation Meeting/ALD Connect Joint Meeting, Baltimore, Maryland. (August 3, 2014).
53. **Lund, T. C.** "Oxidative Stress Modeling", Grand Rounds, Cancer Institute of New Jersey, New Brunswick, New Jersey. (September 15, 2013).
54. **Lund, T. C.** "Oxidative Stress and Rec Cell Metabolism", Grand Rounds Molecular Medicine, University of South Florida. (October 19, 2012).
55. **Lund, T. C.** "From Africa to the Bench the Story of G6PD", Grand Rounds, St. Jude Children's Research Hospital. (February 8, 2012).
56. **Lund, T. C.** "Why Does Africa Need So Much Blood?", American Society of Hematology 2011 Annual Meeting, San Diego Convention Center, San Diego, California. (December 8, 2011).

Invited Oral Presentations at Local and Regional Professional Meetings, Conferences, etc.

Underline - indicates student presenter

1. **Lund, T. C.**, Orchard, P. J. "Treatment Implementation: Existing therapy: allogeneic HCT", Mucopolysaccharidosis Newborn Screening Meeting, University of Minnesota, Minneapolis, Minnesota. (April 12, 2023).
2. **Lund, T. C.**, Gelb, M., Tortorelli, S., Rohrwasser, A., Szabo-Fresnais, N., Gaviglio, A., Pollard, L. "NBS: A deeper dive: Panel Discussion: Disease or not disease? Phenotype?", Mucopolysaccharidosis Newborn Screening Meeting, University of Minnesota, Minneapolis, Minnesota. (April 11, 2023).
3. **Lund, T. C.** "BMT for Metabolic Diseases", Pediatric BMT Spring Fest 2023, University of Minnesota Masonic Children's Hospital. (March 15, 2023).
4. **Lund, T. C.** "A (fish)Tale on Two Continents, G6PD biology", Global Health Research Series, University of Minnesota, Minneapolis, Minnesota. (January 29, 2021).
5. **Lund, T. C.** "Stem cells get stuck, but eventually make it home", Pediatric Grand Rounds, University of Minnesota, Minneapolis, Minnesota. (August 14, 2019).
6. **Lund, T. C.** "Translational Research", Pediatric Global Health Workshop Day, University of Minnesota, Minneapolis, Minnesota. (October 8, 2018).
7. **Lund, T. C.** "Traveling Hematology/Oncology", Travel and Tropical Medicine Seminars, University of Minnesota, Minneapolis, Minnesota. (May 15, 2017).
8. **Lund, T. C.** "Enhancing Bone Marrow Regeneration", 1st Annual Regenerative Medicine Minnesota Idea Exchange and Celebration, University of Minnesota, Minneapolis, Minnesota. (June 14, 2016).
9. **Lund, T. C.** "Pediatric Cancer Care in Sub-Saharan Africa", FCCT Symposium, University of Minnesota, Minneapolis, Minnesota. (April 16, 2016).
10. **Lund, T. C.** "Going Home after Transplant: Hurdles and Shortcuts", Pediatric Grand Rounds, University of Minnesota, Minneapolis, Minnesota. (October 7, 2015).
11. **Lund, T. C.** "Perspective on Global Medicine", 2014 Fairview Medical Missions Annual

Dinner, Minneapolis, Minnesota. (October 13, 2014).

12. **Lund, T. C.** "Zebrafish and U", Undergraduate Backstage Pass Event, University of Minnesota, Minneapolis, Minnesota. (2013).
13. **Lund, T. C.** "G6PD Deficiency: Diagnosis and Science in African Populations", Travel and Tropical Medicine Seminars, Shriners' Hospital. (October 16, 2013).
14. **Lund, T. C., (Keynote/Plenary Speaker)** "Excellence in Education", Hermantown-Proctor Education Banquet, Duluth, Minnesota. (2011).

Peer-Reviewed Oral Presentations at International Professional Meetings, Conferences, etc

Underline - indicates student presenter

1. Williams, D., Orchard, P., Duncan, C., Gupta, A., **Lund, T. C.**, Eichler, F., Sieker, J., Floro, N., Parsons, G., Gioia, M., Voytek, S., Dietz, A. "Integration site analysis in patients with cerebral adrenoleukodystrophy (CALD) treated with autotemcel gene therapy", 2021 BSGCT Virtual Congress, British Society for Gene and Cell Therapy. (October 22, 2021).
2. **Lund, T. C.**, Orchard, P. J., Raffel, G. D., Condon, C. E., Braun, J. A., Shanley, R., Gupta, A. O., Boitano, A. E., Davis Jr, J. C., Wagner, J. E. "A Phase 2 Trial Of Mgta-456 Cell Therapy Demonstrates Rapid And Durable Long-Term Improvement In Disease Outcomes In Inherited Metabolic Disease (IMD) Patients", 46th Annual Meeting of the European Society for Blood and Marrow Transplantation (EBMT 2020), Madrid, Spain. (March 22, 2020).
3. **Lund, T. C.** "Specific Inhibition of Hematopoietic Cell Migration to Adipogenic Marrow - "No Place To Home"", International Society for Stem Cell Research Annual Meeting, Stockholm, Sweden. (June 27, 2015).
4. **Lund, T. C.** "Role of tp53 in the Oxidative Stress Response of Erythroid Precursors", International Society for Experimental Hematology 43rd Annual Meeting, Montreal, Quebec, Canada. (August 24, 2014).
5. **Lund, T. C.** "A New Small Molecule Screening Platform for Hematopoietic Modulation in Adult Zebrafish", Zebrafish Disease Models Conference 7, Madison, Wisconsin. (July 1, 2014).
6. Carter, M., Shimshock, R., Kramer, A., **Lund, T. C.** "Role of tp53 in the Oxidative Stress Response of Erythroid Precursors", 11th International Conference on Zebrafish Development and Genetics, Madison, Wisconsin. (June 28, 2014).
7. Carter, M., Nash, N., Stadem, P., Kramer, A., **Lund, T. C.** "Sdf1 - Expression Reveals a Source of Pervascular-Derived Mesenchymal Stem Cells in Zebrafish", 11th International Conference on Zebrafish Development and Genetics, Madison, Wisconsin. (June 28, 2014).
8. Pinto, E., **Lund, T. C.**, Zembetti, G., Ribeiro, R. "Increased Prevalence of Chromosomally Integrated Human Herpesvirus-6 at Chromosome 11p Telomeric Region in Pediatric Adrenocortical Tumors", International HHV -6 & 7, Paris, France. (April 10, 2013).
9. **Lund, T. C.** "The First Zebrafish Model of G6PD Deficiency", Zebrafish Disease Models, Cold Spring Harbor - Asia. (April 2012).
10. Arbuckle, J. H., Medveczky, M. M., Luka, J., Hadley, S. H., Luegmayr, A., Ablashi, D., **Lund, T. C.**, Tolar, J., Meirleir, K. D., Montoya, J. G., Komaroff, A. L., Ambros, P. F., Medveczky, P. G. "The Latent Human Herpesvirus-6A and 6B Genome Specifically Integrates in Telomeres of Human Chromosomes In Vivo and In Vitro", 35th Annual International Herpesvirus Workshop, University of Utah, Salt Lake City, Utah. (July 29,

- 2010).
11. Tolar, J., Park, I. H., Xia, L., Osborn, M., **Lund, T. C.**, Orchard, P., Daley, G. Q., Blazar, B. "Hematopoietic Differentiation of Personalized Induced Pluripotent Stem Cells From Patients With Congenital Enzymopathy, Hurler Syndrome", International Society for Stem Cell Research 8th Annual Meeting, San Francisco, California. (June 19, 2010).
 12. **Lund, T. C.**, Glass, T. J., Tolar, J., Zon, L. I., Blazar, B. R. "SDF-1 Expressing Cells Establish the Hematopoietic Stem Cell (HSC) Niche and Play a Role in HSC Homing Following Adoptive Cell Transfer in a Zebrafish Model of Bone Marrow Transplant", 6th European Zebrafish Genetics and Development Meeting, Rome, Italy. (July 19, 2009).
 13. Medveczky, M. M., Collins, C., **Lund, T. C.**, Santana-Spain, T., Fejer, G., Medveczky, P. G. "The Latency Associated Nuclear Antigen and Terminal Repeats of the Genome are Essential for Episomal Replication of Both HHV-8 and Herpesvirus Saimiri", 26th International Herpesvirus Workshop, Regensburg, Germany. (August 3, 2001).
 14. Medveczky, M. M., Collins, C., **Lund, T. C.**, Santana-Spain, T., Fejer, G., Horvath, E., Lane, B., Medveczky, P. G. "Is Herpesvirus Saimiri the Right Model for HHV-8?", Fourth International Conference on Human Herpesviruses 6, 7, and 8, Institut Pasteur, Paris, France. (May 12, 2001).
 15. Medveczky, M. M., Collins, C., **Lund, T. C.**, Medveczky, P. G. "The Unique Region of the Herpesvirus Saimiri Genome Cloned in E. Coli is Infectious But Fails to Form Episomes in T Cells Due to Loss of Terminal Repeats", 3rd International KSHV Workshop, University of Massachusetts at Amherst. (July 10, 2000).

Peer-Reviewed Oral Presentations at National Professional Meetings, Conferences, etc

Underline - indicates student presenter

1. **Lund, T. C.**, (**Author & Presenter**), Satrom, K., (Author), Lock, E., (Author), Snook, K., (Author), Rao, R., (Author) "Phototherapy alters the plasma metabolite profile in human preterm infants", Pediatric Academic Societies Meeting, Pediatric Academic Societies, Washington, District of Columbia, United States. (May 1, 2023).
2. **Lund, T. C.** "Decreases in CSF IFN-alpha are associated with gain in IQ after ERT + HCT In Hurler's Syndrome", 19th Annual WORLD Symposium. (February 23, 2023).
3. **Lund, T. C.** "Conditioning Intensity, Modality, and Niche Clearance, Not Cell Dose, Determine Myeloid CNS Engraftment after Transplant", 2023 Tandem Meetings | Transplantation & Cellular Therapy Meetings of ASTCT and CIBMTR. (February 17, 2023).
4. **Lund, T. C.** "First Documentation of Cell-to-Cell Peroxisome Transfer in Hematopoietic Stem and Progenitor Cells: A Method to "Relieve Stress"?", 64th Annual American Society of Hematology Meeting. (December 12, 2022).
5. **Lund, T. C.**, (**Author & Presenter**), Hoover, A., (Author), O'Leary, D., (Author), Cao, Q., (Author), Gupta, A., (Author), Ebens, C., (Author), Maakaron, J., (Author), Betts, B., (Author), Juckett, M., (Author), Bachanova, V., (Author), MacMillan, M., (Author), Miller, J., (Author), Orchard, P., (Author), Wagner, J., (Author), Vercellotti, G., (Author), Weisdorf, D., (Author), Dusenbery, K., (Author), Terezakis, S., (Author), Holtan, S., (Author), El Jurdi, N., (Author) "Phase II study of Myeloablative 8/8- or 7/8-Matched Allotransplantation with Post-Transplant Cyclophosphamide, Tacrolimus, and Mycophenolate Mofetil: Marked Reduction in GVHD Risk Without Increase Relapse Risk Compared to Historical Cyclosporine/Methotrexate", 64th Annual American Society of Hematology Meeting,

- American Society of Hematology, New Orleans, Louisiana, United States. (December 12, 2022).
6. Williams, D. A., (Author), Bledsoe, J. R., (Author), Duncan, C. N., (Author), Eichler, F. S., (Author), Grzywacz, B., (Author), Gupta, A. O., (Author), **Lund, T. C., (Author)**, Orchard, P. J., (Author), Slauson, S., (Author), Whitney, D., (Author), Sieker, J. T., (Author), parsons, G., (Author) "Myelodysplastic Syndromes after Eli-cel Gene Therapy for Cerebral Adrenoleukodystrophy (CALD)", ASGCT 25th Annual Meeting, ASGCT, Washington D.C. (May 2022).
 7. **Lund, T. C.** "Bone Marrow and Umbilical Cord Blood Are Equivalent Stem Cell Sources for Hurler Syndrome", Tandem Meetings I Transplantation & Cellular Therapy Meetings of ASTCT and CIBMTR, Salt Lake City, Utah, United States. (April 24, 2022).
 8. **Lund, T. C.** "Bone marrow and umbilical cord blood are equivalent stem cell sources for Hurler syndrome", 18th Annual WORLD Symposium, Lysosomal Disease Network, San Diego, California. (February 8, 2022).
 9. **Lund, T. C.**, Polgreen, L. E., Braunlin, E. A., Dickson, P., Tolar, J., Gupta, A. O., Chen, A., Orchard, P. J., Eisengart, J. "Biochemical predictors of neurocognitive outcomes in Hurler syndrome", 17th Annual WORLD Symposium. (February 9, 2021).
 10. **Lund, T. C., (Author & Presenter)**, Orchard, P., (Author), Eichler, F., (Author), Duncan, C., (Author), De Oliveira, S., (Author), Thrasher, A., (Author), Kühl, J., (Author), Sevin, C., (Author), Gissen, P., (Author), Amartino, H., (Author), Smith, N., (Author), Shahmir, E., (Author), Chin, W., (Author), McNeil, E., (Author), Aubourg, P., (Author), Williams, D., (Author) "Lenti-D Hematopoietic Stem Cell Gene Therapy Stabilizes Neurologic Function in Boys with Cerebral Adrenoleukodystrophy", Transplantation and Cellular Therapy (TCT) Meetings of ASTCT and CIBMTR, ASTCT and CIBMTR, Orlando, Florida, United States. (February 20, 2020).
 11. **Lund, T. C., (Author & Presenter)**, Orchard, P., (Author), Raffel, G., (Author), Condon, C., (Author), Braun, J., (Author), Gupta, A., (Author), Boitano, A., (Author), Cooke, M., (Author), Davis, J., (Author), Wagner, J., (Author) "Mgta-456 Cell Therapy Stabilizes Neurologic Function in Boys with Cerebral Adrenoleukodystrophy", Transplantation and Cellular Therapy (TCT) Meetings of ASTCT and CIBMTR, ASTCT and CIBMTR, Orlando, Florida, United States. (February 19, 2020).
 12. Slucher, T., Patturi, S., **Lund, T. C.**, Lauden, S., Edowohorhu, G., Ernest, K., Gbadero, D. "Understanding and Relating the Effects of Infectious Parameters with G6PD Deficiency", American Academy of Pediatrics National Conference, New Orleans, Louisiana. (October 29, 2019).
 13. Downey, M., Gupta, A., Stanley, R., Miller, W. P., **Lund, T. C.**, Orchard, P. J., Smith, A. R. "Reduced Toxicity Conditioning is Better Tolerated but has Higher Graft Failure Compared to Myeloablative Conditioning in Children with Inherited Metabolic Disorders", TCT Meetings of ASBMT and CIBMTR, Houston, Texas. (February 24, 2019).
 14. **Lund, T. C.**, Gupta, A., Nascene, D., Orchard, P. J. "Repair of the Blood Brain Barrier with Neutrophil Recovery Following HSCT for Cerebral Adrenoleukodystrophy", TCT Meetings of ASBMT and CIBMTR, Houston, Texas. (February 24, 2019).
 15. Orchard, P. J., Raffel, G. D., Condon, C. E. H., Monaghan, C. A., Braun, J. A., Shanley, R., **Lund, T. C.**, Gupta, A., Boitano, A. E., Cooke, M. P., Davis, J. C., Wagner, J. E. "Robust Engraftment with Mgta-456, a CD34+ Expanded Cell Therapy Product in Patients with

- Inherited Metabolic Disorders (IMD): Preliminary Phase 2 Trial Results", TCT Meetings of ASBMT and CIBMTR, Houston, Texas. (February 24, 2019).
16. Duncan, C. N., Eichler, F., Thrasher, A. J., Orchard, P. J., Nakamura de Oliveira, S., **Lund, T. C.**, Amartino, H., Smith, N. J. C., McNeil, E., Chin, W., Aubourg, P., Williams, D. A. "Updated Safety and Efficacy Outcomes from an Ongoing Phase 2/3 Trial of Lenti-D Autologous Hematopoietic Stem Cell Gene Therapy for the Treatment of Cerebral Adrenoleukodystrophy", TCT Meetings of ASBMT and CIBMTR, Houston, Texas. (February 24, 2019).
 17. Gupta, A., **Lund, T. C.**, Anderson, N., Miettunen, K., Eisengart, J., Braunlin, E., Orchard, P. "Allogeneic Hematopoietic Stem Cell Transplant Outcomes in Fucosidosis", WORLD Symposium, Orlando, Florida. (February 8, 2019).
 18. Nestrasil, I., Svatkova, A., Labounek, R., Mueller, B., Nascene, D., **Lund, T. C.**, Orchard, P., Whitley, C. B. "Discovery of Brain MRI Signatures in Infants with Severe form of MPS I in the pre-HSCT and post-HSCT Stages", WORLD Symposium, Orlando, Florida. (February 8, 2019).
 19. Braunlin, E., Miettunen, K., **Lund, T. C.**, Orchard, P. "Hematopoietic Cell Transplantation for Severe MPS I in the First Six Months of Life: The Heart of the Matter", WORLD Symposium, Orlando, Florida. (February 8, 2019).
 20. **Lund, T. C.**, Eisengart, J., Pierpont, R., Kaizer, A., Rudser, K., Pasqualli, M., Dickson, P., Miller, W., Polgreen, L., Orchard, P. "Predicting Intelligence in MPS IH with Biomarkers", WORLD Symposium, Orlando, Florida. (February 8, 2019).
 21. Nestrasil, I., Paulson, A., Jireckova, J., Nascene, D., Vaneckova, M., Jurickova, K., Hlavata, A., **Lund, T. C.**, Orchard, P., Dusek, P. "Quantitative Brain MRI in Patients with Alpha-mannosidosis: Study from 3 Centers", WORLD Symposium, Orlando, Florida. (February 8, 2019).
 22. Lauden, S. M., Chongwain, S., Achidi, A., Helm, E., Cusick, S., Krug, A., Slusher, T., **Lund, T. C.** "Hepatitis C, Syphilis, and G6PD Deficiency in Cameroonian Blood Donors", 2017 AAP National Conference and Exhibition, Chicago, Illinois. (September 19, 2017).
 23. **Lund, T. C.** "Triple therapy for MPS-IH: Intrathecal Iduronidase, IV-ERT, and Hematopoietic Cell Transplant", 13th Annual WORLD Symposium, San Diego, California. (February 17, 2017).
 24. Mallhi, K., **Lund, T. C.** "Outcomes Following Umbilical Cord Blood Transplantation For Inherited Metabolic Disorders: Does Ucb/Recipient Hla Allelic Disparity Matter For Engrafted Survival?", 4th Annual Meeting at ASPHO, Minneapolis, Minnesota. (May 11, 2016).
 25. Eichler, F., Duncan, C., Amartino, H., Aziz-Bose, R., Baruchel, A., Dansereau, C., Dalle, J., Gaspar, H., Gissen, P., Kohn, D., Larghero, J., **Lund, T. C.**, Miller, W. P., Musolino, P. L., O'Meara, T., Orchard, P. J., Paker, A. M., Shah, A. J., Shamir, E., Raymond, G. V., Sankar, R., Smith, N., Thrasher, A., Aubourg, P., Williams, D. A. "A Phase 2/3 Study of the Efficacy and Safety of Ex Vivo Gene Therapy With Lenti-DTM Letiviral Vector for the Treatment of Cerebral Adrenoleukodystrophy", American Society for Gene and Cell Therapy's 19th Annual Meeting, Washington, D.C. (May 7, 2016).
 26. **Lund, T. C.**, Kramer, A. C., Stadem, P., Lehrke, M., Hanson, T. "Aidpogenic Chemokine Inhibition of Hematopoietic Cell Adherence and Transmigration, a Hurdle to Homing", American Society of Hematology 2015 Annual Meeting, Orlando, Florida. (December 8,

- 2015).
27. Arora, A., Bhatia, S., DeFor, T. E., Nayar, M., Belete, H., **Lund, T. C.**, Thyagarajan, B., Ustun, C., Weisdorf, D. "Impact of Frailty on Hematopoietic Cell on Early Transplant Outcomes in Older Recipients", American Society of Hematology 2015 Annual Meeting, Orlando, Florida. (December 8, 2015).
 28. Pritchett, J., Knox, K., Baewer, D., Verneris, M. R., **Lund, T. C.** "CD134+ T Cells Harbor Significantly Increase Levels of HHV -6 in DNA in Umbilical Cord Blood Transplant Patients", Conference on HHV - 6 & 7, Boston, Massachusetts. (November 11, 2015).
 29. Stadem, P., Hilgers, M., Dengo, D., Nabadda-Ndidde, S., **Lund, T. C.** "Analysis of Oxidative Stress Markers in Glucose-6-Phosphate Dehydrogenase Deficient Umbilical Cord Blood Samples in Kampala, Uganda", 2015 AAP National Conference and Exhibition, Washington, D.C. (October 27, 2015).
 30. Polgreen, L., Cusick, S., John, C., **Lund, T. C.** "Potential Role for Vitamin D in Reducing Inflammation and Lowering Cellular Adhesion Proteins to Protect from Cerebral Malaria", 2015 Pediatric Academic Societies Annual Meeting, San Diego, California. (April 28, 2015).
 31. Polgreen, L., Cabelka, C., **Lund, T. C.**, Miller, M., Orchard, P. "Impact of Laronidase on Shoulder, Elbow, and Hip Range of Motion in Children with Hurler Syndrome after Hematopoietic Cell Transplantation", 11th Annual WORLD Symposium, Orlando, Florida. (February 13, 2015).
 32. Carter, M., Kramer, A., **Lund, T. C.** "The Oxidative Stress Response in Erythroid Precursors is Mediated by tp53", American Society of Hematology 2013 Annual Meeting, New Orleans, Louisiana. (December 10, 2013).
 33. Perko, M., Perko, R., **Lund, T. C.** "Measuring Impact of Medicine Cabinets and Education of Caregivers Within Community Orphanages in Uganda", 2013 AAP National Conference & Exhibition, Orlando, Florida. (October 29, 2013).
 34. Miller, W., Rothman, S., Nascene, D., Kivisto, T., DeFor, T., **Lund, T. C.**, Tolar, J., Orchard, P. J. "Outcomes Following Allogeneic Hematopoietic Stem Cell Transplantation for Childhood Cerebral Variant Adrenoleukodystrophy: A Modern, Single Institution Experience", American Society of Hematology 2010 Annual Meeting, Orlando, Florida. (December 2010).
 35. **Lund, T. C.** "'Tasting the Microenvironment': Human Bone Marrow Stromal Cells Have Microenvironment Chemosensory Capacity Via Taste Receptor Expression", American Society of Hematology 2010 Annual Meeting, Orange County Convention Center, Orlando, Florida. (December 7, 2010).
 36. Tolar, J., Osborn, M. J., Maeder, M. L., Xia, L., Eide, C. R., Riddle, M., Wong, M., Lees, C. J., Nyquist, M., **Lund, T. C.**, Orchard, P. J., Wagner, J. E., Voytas, D. F., Joung, J. K., Blazar, B. R. "Gene Editing of Induced Pluripotent Stem Cells From Patients With Congenital Disorders", Genome Engineering: Research & Therapeutic Applications, FASEB, Steamboat Springs, Colorado. (June 11, 2010).
 37. **Lund, T. C.**, Panoskaltis-Mortari, A., Orchard, P., Tolar, J. "Markers of CSF Inflammation in Patients with Cerebral Adrenoleukodystrophy", WORLD Symposium, Miami, Florida. (February 12, 2010).
 38. Arbuckle, J. H., Medveczky, M. M., Luka, J., Hadley, S. H., Luegmayer, A., Ablashi, D., **Lund, T. C.**, Tolar, J., Meirleir, K. D., Montoya, J. G., Komaroff, A. L., Ambros, P.,

Medveczky, P. G. "The Latent Human Herpesvirus-6A and 6B Genome Specifically Integrates in Telomeres of Human Chromosomes In Vivo and In Vitro", Cold Spring Harbor Laboratory, Cold Spring Harbor, New York. (May 2, 2009).

39. **Lund, T. C.**, Lenvik, T., Reyes, M., Jiang, Y., Verfaillie, C. M. "Splinkerette-Ligated Captured T7 (SCT)/RT-PCR, A New Method to Determine Retroviral Integration Flanking Sequences", 47th Annual American Society of Hematology Meeting, Atlanta, Georgia. (December 13, 2005).
40. **Lund, T. C.** "Splinkerette-ligated captured T7 (SCT)/RT-PCR, a new method to determine retroviral integration flanking sequences.", Abstracts of the American Society of Hematology 47th annual meeting, Orlando, Florida. (December 12, 2005).
41. **Lund, T. C.** "Retroviral Integration Detection", Experimental Biology 2001, Orlando, Florida. (April 2, 2001).

Peer-Reviewed Oral Presentations at Local and Regional Professional Meetings, Conferences, etc

Underline - indicates student presenter

1. Perko, M., Kabatatooro, A., Perko, R., **Lund, T. C.** "Measuring Impact of Medicine Cabinets and Education of Caregivers Within Community Orphanages in Uganda", Hot Topics in Pediatrics 2012 Conference, Minneapolis, Minnesota. (May 31, 2013).
2. Carter, M., Kramer, A., **Lund, T. C.** "Glucose-6-Phosphate Dehydrogenase Deficiency as a Model System for Assessing Antioxidant Compounds", University of Minnesota Pediatric Research, Education and Scholarship Symposium (PRESS), Minneapolis, Minnesota. (April 2013).
3. Glass, T. J., **Lund, T. C.**, Blazer, B. R. "Expression of SDF-1 in a Zebrafish Model of Hematopoietic Cell Transplant", University of Minnesota Pediatric Research, Education and Scholarship Symposium (PRESS), Minneapolis, Minnesota. (April 23, 2010).

Poster Abstract Presentations at Professional Meetings, Conferences, etc.

Underline - indicates student presenter

1. Chenxu, L., Braaten, K., Lorentson, M., **Lund, T. C.**, Moser, A., Torrey, A., Fallatah, W., Coles, L., Kartha, R. "Pharmacokinetics study of Nervonic Acid in the ALD Mouse Model", American Association of Pharmaceutical Scientist 2023 PHARMSCI 360 Conference, Orlando, United States. (October 22, 2023).
Meeting abstract submitted for review.
2. Gupta, A. O., **Lund, T. C.**, Braun, J., Hale, K., Singh, S., Orchard, P. J. "Adrenoleukodystrophy National Registry: A Longitudinal Monitoring Platform for Newborns Diagnosed with Adrenoleukodystrophy", 22023 Association of Public Health Laboratories/ISNS Newborn Screening Symposium, Omaha, Nebraska. (October 20, 2023).
Meeting abstract submitted for review.
3. **Lund, T. C.** "A phase 3 clinical trial of leriglitzzone with adaptive placebo-controlled treatment duration in adults with cerebral adrenoleukodystrophy", 148th Meeting of the American Neurological Association (ANA) 2023, American Neurological Association, Philadelphia, Pennsylvania, United States. (September 9, 2023).
4. Pierpont, E. I., Labounek, R., Bondy, M., Paulson, A., Mueller, B. A., Wozniak, J. R., Dobyons, W. B., Gupta, A. O., **Lund, T. C.**, Orchard, P. J., Nascene, D., Nestrasil, I. "Diffusion Tensor Imaging of the Corpus Callosum as an Early Disease Marker in

Adrenoleukodystrophy", 148th Meeting of the American Neurological Association (ANA) 2023, American Neurological Association, Philadelphia, Pennsylvania, United States. (September 9, 2023).

5. **Lund, T. C., (Author & Presenter)**, Firoozmand, A., (Author), O'Leary, D., (Author), Cao, Q., (Author), Gupta, A., (Author), Ebens, C., (Author), Maakaron, J., (Author), Betts, B., (Author), Bachanova, V., (Author), MacMillan, M., (Author), Miller, M., (Author), Orchard, P., (Author), Wagner, J., (Author), Vercellotti, G., (Author), Weisdorf, D., (Author), Dusenberry, K., (Author), Terezakis, S., (Author), Holton, S., (Author), El Jurdi, N., (Author), Juckett, M., (Author) "Allogeneic Hematopoietic Stem Cell Transplantation Using Reduced Intensity Conditioning with Cyclophosphamide/Fludarabine/2Gy Total Body Irradiation", Tandem Meetings I Transplantation & Cellular Therapy Meetings of ASTCT and CIBMTR, ASTCT and CIBMTR, Orlando, Florida, United States. (February 16, 2023).
6. **Lund, T. C., (Author & Presenter)**, Drozdov, D., (Author), Long, S., (Author), Gupta, A., (Author), Boelens, J., (Author), Orchard, P., (Author) "Bodyweight and absolute lymphocyte count based dosing of rabbit anti-thymocyte globulin results in early cd4+ immune reconstitution in patients with inborn errors of metabolism undergoing umbilical cord blood transplantation", Tandem Meetings I Transplantation & Cellular Therapy Meetings of ASTCT and CIBMTR, ASTCT and CIBMTR, Orlando, Florida, United States. (February 16, 2023).
7. El Jurdi, N., **Lund, T. C.** "Low Incidence of Chronic Graft-Versus-Host Disease in Myeloablative Allogeneic Hematopoietic Cell Transplantation with Post-Transplant Cyclophosphamide Using Matched Related or Unrelated Donors: Phase II Study Interim Analysis", Tandem Meetings I Transplantation & Cellular Therapy Meetings of ASTCT and CIBMTR, Salt Lake City, Utah, United States. (2022).
8. **Lund, T. C., (Author & Presenter)**, Gupta, A., (Author), Orchard, P., (Author), Thakkar, S., (Author), Durose, W., (Author), King, C., (Author) "Adrenoleukodystrophy protein (ALDP) antibody formation and graft loss in gene therapy for adrenoleukodystrophy", 64th Annual American Society of Hematology Meeting, American Society of Hematology, New Orleans, Louisiana, United States. (December 12, 2022).
9. **Lund, T. C., (Author & Presenter)**, Drozdov, D., (Author), Long, S., (Author), Gupta, A., (Author), Boelens, J., (Author), Orchard, P., (Author) "Bodyweight and absolute lymphocyte count based dosing of rabbit anti-thymocyte globulin results in early cd4+ immune reconstitution in patients with inborn errors of metabolism undergoing umbilical cord blood transplantation", 64th Annual American Society of Hematology Meeting, American Society of Hematology, New Orleans, Louisiana, United States. (December 12, 2022).
10. Foy, A., (Author & Presenter), Elizondo, E., (Author), Kroening, S., (Author), Rogers, D., (Author), Kenney-Jung, D., (Author), Nascene, D., (Author), Nestrasil, I., (Author), Orchard, P. J., (Author), **Lund, T. C.**, Gupta, A. O., (Author), Pierpont, E. I., (Author) "Characteristics of seizures among boys with standard risk childhood cerebral adrenoleukodystrophy treated with hematopoietic cell transplantation", American Epilepsy Society Annual Meeting, Nashville, Tennessee. (December 5, 2022).
11. **Lund, T. C.**, Kaczmarczyk, A., Lasio, L. D., Viskochil, S., Longo, N., Orchard, P., Yang, A., Chang, I., C., H., Aliu, E., Siemon, A., Mori, M., Dickson, P., Al-Hertani, W., Ahrens-Nicklas, R., Pasquali, M. "Analysis of urine heparan sulfate and its non-reducing ends for the follow-up of abnormal newborn screening for Analysis of urine heparan sulfate and its non-reducing ends for the follow-up of abnormal newborn screening for MPS1", SIMD 43rd annual meeting, Society for Inherited Metabolic Disorders, Orlando, Florida. (April 10, 2022).

12. Srivastava, I., Aguirre, A., Vogel, H., **Lund, T. C.**, Van Haren, K. "NLPR3 Inflammasome Activation within Demyelinating Lesions in Cerebral Adrenoleukodystrophy", AAN 2022 Annual Meeting, American Academy of Neurology, Seattle, Washington. (April 7, 2022).
13. Pillai, N. R., (Author & Presenter), Gupta, A., (Author), **Lund, T. C.**, (Author), Orchard, P. J., (Author), Braunlin, E., (Author), Department of Pediatrics, Division of Genetics and Metabolism, University of Minnesota,, (Author), Pediatric Blood and Marrow Transplant, University of Minnesota,, (Author), University of Minnesota, (Author), Pediatrics, University of Minnesota, (Author) "Hematopoietic cell transplantation for Mucopolysaccharidosis type I in the presence of decreased cardiac function", 18th Annual WORLD Symposium, San Diego, California. (February 8, 2022).
14. **Lund, T. C.**, (Author & Presenter), El Jurdi, N., (Author), O'Leary, D., (Author), He, F., (Author), Rashidi, A., (Author), Warlick, E., (Author), Gupta, A., (Author), Maakaron, J., (Author), Janakiram, M., (Author), Slungaard, A., (Author), Smith, A., (Author), Bachanova, V., (Author), Brunstein, C., (Author), MacMillan, M., (Author), Miller, J., (Author), Betts, B., (Author), Ebens, C., (Author), Stefanski, H., (Author), Orchard, P., (Author), Vercellotti, G., (Author), Weisdorf, D., (Author), Holton, S., (Author) "Low Incidence of Chronic Graft-versus-host Disease in Myeloablative Allogeneic Hematopoietic Cell Transplantation with Post-Transplant Cyclophosphamide using Matched Related or Unrelated Donors: Phase II Study Interim Analysis", 63rd American Society of Hematology Annual Meeting, American Society of Hematology, Atlanta, Georgia, United States. (December 11, 2021).
15. Kroening, S., Gupta, A. O., Nascene, D. R., Shanley, R., Kenney-Jung, D. L., Eisengart, J., **Lund, T. C.**, Orchard, P. J., Pierpont, E. I. "Do Regional MRI Patterns Predict Treatment Outcomes For Cerebral Adrenoleukodystrophy?", ANA 2021 Virtual Meeting, American Academy of Neurology. (October 17, 2021).
16. Takahashi, T., Illamola, S. M., Jennissen, C., Long, S. E., **Lund, T. C.**, Orchard, P. J., Long-Boyle, J., Gupta, A. O. "Busulfan Dose Recommendation in Inherited Metabolic Disorders: Population Pharmacokinetic Analysis", PRESS 2021, University of Minnesota Department of Pediatrics, Minneapolis, Minnesota. (April 23, 2021).
17. **Lund, T. C.**, (Author & Presenter), Tipton, P., (Author), Kenney-Jung, D., (Author), Rush, B., (Author), Singh, B., (Author), Holton, S., (Author), Ayala, E., (Author), Broderick, D., (Author), Wszolek, Z., (Author) "Hematopoietic stem cell transplantation: An Effective Treatment for CSF1R-related Leukoencephalopathy", American Academy of Neurology 2021 Annual Meeting, American Academy of Neurology, San Fransisco, California, United States. (April 17, 2021).
18. Takahashi, T., Illamola, S. M., Jennissen, C. A., Long, S. E., **Lund, T. C.**, Orchard, P. J., Long-Boyle, J. R., Gupta, A. O. "Busulfan Dose Recommendation in Inherited Metabolic Disorders: Population Pharmacokinetic Analysis", MSCO Spring Conference, Minnesota Society of Clinical Oncology, Minneapolis, Minnesota. (April 15, 2021).
19. Gimbel, B., Gupta, A. O., **Lund, T. C.**, Eisengart, J. B. "Does extending enzyme replacement therapy after transplant provide neurocognitive benefit in Hurler syndrome?", 17th Annual WORLD Symposium, San Diego, California. (February 10, 2021).
20. **Lund, T. C.**, Belur, S. R., Huber, A., Mantone, H., Smith, M., Podetz-Pedersen, K., Karlen, A., Braunlin, E. A., Robinson, N., Tsai, H.-C., McIvor, R. S., Bonner, M. "Effect of supraphysiological alpha-L-iduronidase (IDUA) expression on skeletal manifestations in mucopolysaccharidosis type I (MPS I) mice following ex vivo lentiviral vector transduction of hematopoietic stem cells", 17th Annual WORLD Symposium. (February 9, 2021).

21. Pillai, N., Orchard, P. J., **Lund, T. C.**, Ahrens-Nicklas, R., Andang, L., Elsea, S. H., Whitley, C. B. "Evaluation of the Effectiveness of Bone Marrow Transplantation in Multiple Sulfatase Deficiency", 17th Annual WORLD Symposium, San Diego, California. (February 9, 2021).
22. **Lund, T. C., (Author & Presenter)**, Nq, M., (Author), Gupta, A., (Author), Kenney-Jung, D., (Author), Nascene, D., (Author), Orchard, P., (Author) "MRI Gadolinium Volume in Cerebral Adrenoleukodystrophy: A Novel Biomarker to Quantify Cerebral Inflammation and Predict Transplant Response", Transplantation and Cellular Therapy Meetings of ASTCT and CIBMTR, ASTCT and CIBMTR, Orlando, Florida, United States. (February 19, 2020).
23. Wiersma, R., Chinnabhandar, V., Cao, Q., Erickson, K., **Lund, T. C.**, Smith, A. R., Orchard, P. J., Hiremath Mallikarjun, G., Gupta, A. O. "Pericardial Effusion after Hematopoietic Stem Cell Transplant is Associated with Poor Survival", Transplantation and Cellular Therapy Meetings of ASTCT and CIBMTR, Orlando, Florida. (February 19, 2020).
24. **Lund, T. C.**, Eisengart, J., Polgreen, L. E., Braunlin, E. A., Gupta, A. O., Pasquali, M. "New biomarkers for MPS IH: Plasma iduronidase and urine non-reducing ends", 16th Annual WORLD Symposium, Orlando, Florida. (February 12, 2020).
25. Kaczmarczyk, A., Thomas, A., Bailey, C., Viskochil, D., Gupta, A. O., **Lund, T. C.**, Orchard, P. J., Yang, A. C., Dennis, A., Pasquali, M. "Analysis of heparan sulfate and heparan sulfate non-reducing ends in Mucopolysaccharidosis Type I", WORLD Symposium, Orlando, Florida. (February 11, 2020).
26. Ng, M., Gupta, A. O., **Lund, T. C.**, Miller, B. S., Orchard, P. J. "Impact of Extended Enzyme Replacement Therapy After Transplant on Linear Growth in Mucopolysaccharidosis Type-1H", WORLD Symposium, Orlando, Florida. (February 11, 2020).
27. Slusher, T., Patturi, S., **Lund, T. C.**, Lauden, S., Edowohorhu, G., Ernest, K., Gbadero, D. "Understanding and Relating the Effects of Infectious Parameters with G6PD Deficiency", American Society of Tropical Medicine and Hygiene 68th Annual Meeting, National Harbor, Maryland. (November 24, 2019).
28. Polgreen, L. E., Gupta, A., Miller, W., Petryk, A., **Lund, T. C.**, Orchard, P. J. "Open-label, Multicenter, Pilot Study of Interferon Gamma - 1b in Patients with Autosomal Dominant Osteopetrosis type 2 (ADO2)", American Society of Bone Mineral Research Annual Meeting, Orlando, Florida. (September 23, 2019).
29. Vargo, T. L., **Lund, T. C.**, Gupta, A., Orchard, P., Braunlin, E., King, K. E., Eisengart, J. B. "Model for Newborn Screening: Short-term Treatment Outcomes for Children Identified with Hurler Syndrome at Birth", International Neuropsychological Society 2019 Annual Meeting, International Neuropsychological Society, New York, New York. (February 23, 2019).
30. Braunlin, E., Miettunen, K., Orchard, P., **Lund, T. C.**, Gupta, A., Nascene, D. "Consequences of New Born Screening: Neuroimaging in Infants with Severe MPS I < 6 Months of Age", WORLD Symposium, Houston, Texas. (February 8, 2019).
31. Cusick, S. E., Moody, E., Jaramillo, E., **Lund, T. C.**, Georgieff, M., Mupere, E. "High blood manganese is associated with iron deficiency in Ugandan children and modifies the relationship between iron deficiency and lead", Pediatric Academic Societies (PAS) 2018 Meeting, Toronto, Canada. (May 8, 2018).
32. Stormont, M., Gravel, K., Angerman, S., Orchard, P., **Lund, T. C.**, Miettunen, K. "Hearing Outcomes Related to Hurler Syndrome", American Academy of Audiology, Nashville, Tennessee. (April 21, 2018).

33. Bilski, R. L., **Lund, T. C.**, Miettunen, K., Orchard, P. J., Pierpnt, R., Miller, W. "Functional outcomes in engrafted survivors of HCT for advanced cALD: a comparison of patients undergoing full- versus reduced-intensity conditioning prior to transplantation", 32nd Annual Pediatric Research Education and Scholarship Symposium, Minneapolis, Minnesota. (April 13, 2018).
34. De Oliveira, S., Eichler, F., Duncan, C., Musolino, P. L., Orchard, P. J., Thrasher, A., Armant, M., Dansereau, C., **Lund, T. C.**, Miller, W. P., Raymond, G. V., Sankar, R., Shah, A. J., Sevin, C., Gaspar, H. B., Gissen, P., Armatino, H., Brakovic, D., Smith, N. J. C., Shamir, E., Pappas, K., Asmal, M., Davidson, D., Aubourg, P., Williams, D. A. "Autologous hematopoietic stem cell gene therapy for cerebral adrenoleukodystrophy – Results of an international Phase 2/3 trial", Society for Inherited Metabolic Disorders (SIMD) 40th Annual Meeting, San Diego, California. (March 14, 2018).
35. Duncan, C., Eichler, F., Musolino, P. L., Orchard, P. J., De Oliveira, S., Thrasher, A. J., Armant, M., Dansereau, C., **Lund, T. C.**, Miller, W. P., Raymond, G. V., Sankar, R., Shah, A. J., Sevin, C., Gaspar, H. B., Gissen, P., Amartino, H., Bratkovic, D., Smith, N. J. C., Paker, A. M., Shamir, E., O'Meara, T., Asmal, M., Davidson, D., Aubourg, P., Williams, D. A. "Lenti-D Hematopoietic Stem Cell Gene Therapy to Arrest Progression of Cerebral Adrenoleukodystrophy: Results of an International Phase 2/3 Trial", BMT Tandem Meeting, Salt Lake City, Utah. (February 25, 2018).
36. Lum, S. H., Miller, W., **Lund, T. C.**, Orchard, P. J., Jones, S., Boelens, J. J., Wynn, R. "Busulfan, fludarabine and ATG confers excellent survival in cord blood transplant for children with MPS IH", 14th Annual WORLD Symposium, San Diego, California. (February 9, 2018).
37. Spurlock, K., Orchard, P. J., Miller, W., **Lund, T. C.**, Eisengart, J. "Cognitive outcomes in Hurler syndrome following transplant before age 12 months", 14th Annual WORLD Symposium, San Diego, California. (February 9, 2018).
38. Spurlock, K., Orchard, P. J., Miller, W., **Lund, T. C.**, Eisengart, J. "Neurocognitive outcomes of intrathecal enzyme replacement therapy and transplant in Hurler syndrome", 14th Annual WORLD Symposium, San Diego, California. (February 9, 2018).
39. Eisengart, E., Miller, W., Kaizer, A., Rudser, K., King, K., Ziegler, R., Pierpont, E., Whitley, C., Raymond, G., Tolar, J., **Lund, T. C.**, Shapiro, E., Orchard, P. "Neurocognitive outcomes of intrathecal enzyme replacement therapy and transplant in Hurler syndrome", 14th Annual WORLD Symposium, San Diego, California. (February 9, 2018).
40. Polgreen, L. E., **Lund, T. C.**, Miller, W., Orchard, P. J. "Open Label, Single Arm, Pilot Study of Intravenous Laronidase Following Allogeneic Transplantation for Hurler Syndrome", 14th Annual WORLD Symposium, San Diego, California. (February 9, 2018).
41. Amartino, H., Eichler, F., Duncan, C., Musolino, P., Orchard, P. J., De Oliveira, S., Thrasher, A., **Lund, T. C.**, Miller, W. P., Raymond, G. V., Paker, M. A., Escolar, M., Fischer, A., Michel, G., Prasad, V., Smith, N., Asmal, M., Aubourg, P., Williams, D. A. "Autologous hematopoietic stem cell gene therapy for the treatment of cerebral adrenoleukodystrophy – Interim results of a phase 2/3 study", 2017 International Congress of Inborn Errors of Metabolism (ICIEM), Rio De Janeiro, Brazil. (September 8, 2017).
42. **Lund, T. C.**, Kramer, A., Taisto, M., Blake, A., Lehrke, M. "Decellularized Bone Marrow Reveals a Novel Niche Protein That Modulate Adhesion", 46th Annual International Society for Experimental Hematology Scientific Meeting, Frankfurt, Germany. (August 27, 2017).

43. Miller, W. P., Stricherz, M. K., Jennissen, C., Sando, N., Danielson, J., **Lund, T. C.**, Orchard, P. J. "High-Exposure, Targeted Daily Busulfan and Fludarabine-Based Conditioning for Children Undergoing Hematopoietic Stem Cell Transplantation for Inherited Metabolic Disorders: Outcomes at a Single Center", 58th American Society of Hematology Annual Meeting, San Diego, California. (December 6, 2016).
44. Pierpont, E., Eisengart, J., Ziegler, R., Raymond, G., Orchard, P. J., **Lund, T. C.**, Miller, W. P. "Neurocognitive Trajectory of Patients with Childhood Cerebral Adrenoleukodystrophy Who Received Allogeneic Hematopoietic Cell Transplantation at an Early Stage of Cerebral Disease", 58th American Society of Hematology Annual Meeting, San Diego, California. (December 6, 2016).
45. Lum, S. H., Miller, W. P., Jones, S., Mercer, J., **Lund, T. C., (Author & Presenter)**, Bonney, D., Orchard, P., Wynn, R. "The Changing Patterns of Graft Failure in MPS1H, Hurler Syndrome: A Review of 30-Years Experience", 58th American Society of Hematology Annual Meeting, San Diego, California. (December 6, 2016).
46. Le, G., Nash, N. L., Galligan, C. M., Johnson, H. G., Lowe, D. A., **Lund, T. C.** "Hematopoietic cell transplantation and enzyme replacement therapy rescue physical activity and muscle weakness in Hurler mice", 5th Annual Regenerative Rehabilitation Symposium, Atlanta, Georgia. (October 16, 2016).
47. **Lund, T. C.**, Kramer, A., Lehrke, M. "Specific Inhibition of Hematopoietic Cell Migration to Adipogenic Marrow – “No Place to Home”", 45th Annual International Society for Experimental Hematology Scientific Meeting, San Diego, California. (August 28, 2016).
48. Orchard, P. J., Rodgers, N., Kaizer, A., Rudser, K., Miller, W. P., **Lund, T. C.**, Braunlin, E. "Hurler Syndrome and Transplantation: Analysis of Mortality over 3 Decades Following Allogeneic Transplantation at the University of Minnesota", 14th International Symposium on MPS and Related Diseases, Bonn, Germany. (July 14, 2016).
49. Orchard, P., Miller, W., Raymond, G., Pasquali, M., **Lund, T. C.** "Improvement in Biomarkers after Intrathecal Iduronidase for Children with Hurler Syndrome", 14th International Symposium on MPS and Related Diseases, Bonn, Germany. (July 14, 2016).
50. Cooper, R., Wang, E., Scalora, A., Anderson, J., McCarty, J., **Lund, T. C.**, Roberts, C., Toor, A., Reynolds, A. "A Mathematical Model of Hematopoietic Stem Cell Transplantation and Analysis of the Effect of Drug Treatments on Transplantation in Patients With Lymphoma", AIMS Conference on Dynamical Systems, Differential Equations and Applications, Orlando, Florida. (July 5, 2016).
51. Larson, D., Nascene, D., **Lund, T. C.**, Raymond, G. V., Orchard, P. J., Miller, W. P. "Advanced Childhood Cerebral Adrenoleukodystrophy: Rapid Pre-Transplant Radiographic Progression Predicts Poor Clinical Outcomes", PBMTTC Meeting 2016, Minneapolis, Minnesota. (May 11, 2016).
52. Miller, W. P., **Lund, T. C.**, Orchard, P. J., Nascene, D. "Hemorrhagic Cystitis Following Allogeneic Hematopoietic Stem Cell Transplantation For Hurler Syndrome: A Curiously Infrequent Complication", PBMTTC Meeting 2016, Minneapolis, Minnesota. (May 11, 2016).
53. Mallhi, K. K., Ebens, C. L., Tolar, J., Miller, W. P., Orchard, P. J., **Lund, T. C.** "Second Allogeneic Hematopoietic Cell Transplant for Graft Failure in Non-Malignant Patients: High Rate of Engraftment with Low-Dose Busulfan, Fludarabine, Low-Dose Total Body Irradiation Conditioning", PBMTTC Meeting 2016, Minneapolis, Minnesota. (May 11, 2016).
54. Miller, W. P., **Lund, T. C.**, Orchard, P. J., Nascene, D. "Timely Resolution Of Brain MRI

- Gadolinium Enhancement In Advanced Cerebral Adrenoleukodystrophy: An Imaging Surrogate For Long-Term Neurologic Response Following Allogeneic Hematopoietic Stem Cell Transplantation", PBMTTC Meeting 2016, Minneapolis, Minnesota. (May 11, 2016).
55. Eichler, F., Duncan, C., Amartino, H., Baruchel, A., Colleen Dansereau, C., Dalle, J. H., Gaspar, H. B., Gissen, P., Kohn, D. B., Larghero, J., **Lund, T. C.**, Miller, W. P., Musolino, P. L., O'Meara, T., Orchard, P. J., Paker, A. M., Shah, A. J., Shamir, E., Raymond, G. V., Sankar, R., Smith, N. J. C., Thrasher, A. J., Aubourg, P., Williams, D. A. "A Phase 2/3 Study of the Safety and Efficacy of Ex Vivo Gene Therapy With Lenti-D Lentiviral Vector for the Treatment of Childhood Cerebral Adrenoleukodystrophy (CCALD)", 19th Annual American Society of Gene & Cell Therapy Meeting 2016, Washington, D.C. (May 7, 2016).
 56. Slusher, T. M., Shapiro, S. M., Brearley, A. M., Radmacher, P., Groves, F., **Lund, T. C.**, Olusanya, B. O. "Assessing Neonatal Bilirubin Induced Neurologic Dysfunction in Nigeria", PAS 2016, Baltimore, Maryland. (May 3, 2016).
 57. Eichler, F., Duncan, C., Thrasher, A., Shah, A. J., Baruchel, A., Paker, A. M., Kohn, D. B., Bratkovic, D., Shamir, E., Raymond, G. V., Gaspar, H. B., Amartino, H., Dalle, J. H., Larghero, J., Smith, N. J. C., Musolino, P. L., Gissen, P., Orchard, P. J., Sankar, R., De Oliveira, S., O'Meara, T., **Lund, T. C.**, Miller, W. P., Aubourg, P., Williams, D. A. "Interim Results from a Phase 2/3 Study of the Safety and Efficacy of Hematopoietic Stem Cells Transduced Ex Vivo with Lentiviral Vector (Lenti-D) for Childhood Cerebral Adrenoleukodystrophy", AAN 2016, Vancouver, BC, Canada. (April 21, 2016).
 58. Cooper, R., Wang, E., Scalora, A., Anderson, J., McCarty, J., **Lund, T. C.**, Roberts, C., Toor, A., Reynolds, A. "A Mathematical Model of Hematopoietic Stem Cell Transplantation and Analysis of the Effect of Drug Treatments on Transplantation in Patients With Lymphoma", ASH 2015, Orlando, Florida. (December 8, 2015).
 59. **Lund, T. C.** "Second Allogeneic Hematopoietic Cell Transplantation for Graft Failure: Poorer Outcomes for Neutropenic Graft Failure", BMT Tandem Meeting, San Diego, California. (February 15, 2015).
 60. Carter, M., Shimshock, R., Kramer, A., **Lund, T. C.** "Mutant tp53 Causes a Gain of Function Increase in Sensitivity to Reactive Oxygen Species in Erythroid Precursors", American Society of Hematology 2014 Annual Meeting, San Francisco, California. (December 9, 2014).
 61. Lehrke, M., Kramer, A., **Lund, T. C.** "Dermatopontin alters whole bone marrow adhesion to extracellular matrix proteins in vitro", Regional Regeneration Symposium, Minneapolis, Minnesota. (November 20, 2014).
 62. Sandhu, K., Burns, L., **Lund, T. C.**, Verneris, M., Green, J. "Uncertainty of Chromosomally Integrated HHV-6 in a Stem Cell Transplant Recipient. What Does It All Mean?", São Paulo School of Advanced Science on Transplant Infectious Diseases Conference, São Paulo, Brazil. (October 24, 2014).
 63. **Lund, T. C.** "Improvement in Biomarkers After Intrathecal Iduronidase for Children with MPS IH", 13th International Symposium on Mucopolysaccharidoses and Related Diseases, Costa Do Sauipe, Bahia, Brazil. (August 17, 2014).
 64. Polgreen, L., Cabelka, C., **Lund, T. C.**, Miller, W., Orchard, P. "Impact of Laronidase on Shoulder, Elbow, and Hip Range of Motion in Children with Hurler Syndrome After Hematopoietic Cell Transplantation", 10th Annual WORLD Symposium, San Diego, California. (February 13, 2014).
 65. Perko, M., Perko, R., **Lund, T. C.** "Measuring Impact of Medicine Cabinets and Education of

- Caregivers Within Community Orphanages in Uganda", 2013 Family Medicine Midwest 2nd Annual Conference, Milwaukee, Wisconsin. (October 6, 2013).
66. Patrinostrro, X., Kramer, A., **Lund, T. C.** "Pro-Oxidant Induce Hemolysis in a Zebrafish Model of Glucose-6-Phosphate Dehydrogenase Deficiency", ASH Annual Meeting, Atlanta, Georgia. (November 2012).
 67. Yang, T., Patrinostrro, X., **Lund, T. C.** "Does the Antioxidant Effects of Vitamin C Reduce hemolysis in a G6PD Deficient Zebrafish Model", Masonic Cancer Center Health Disparities Research Day, Minneapolis, Minnesota. (September 1, 2012).
 68. Orchard, P. J., Tolar, J., Miller, W., Kennedy, J., King, K., Kivisto, T., **Lund, T. C.**, Polgreen, L. "Combination Therapy for Hurler Syndrome", 12th International Symposium on MPS and Related Diseases, Noordwijkerhout, Netherlands. (July 1, 2012).
 69. **Lund, T. C.**, Patrinostrro, X., Glass, T. G., Blazar, B. R. "The Ancestral Origin of Mesenchymal Stem Cells is Revealed by Perivascular SDF1 Expression", ISSCR, Yokohama, Japan. (June 16, 2012).
 70. Thibert, K., **Lund, T. C.** "Cerebral Spinal Fluid Levels of Matrix Metalloproteinases and Tissue Inhibitors to Metalloproteinases as Indicators for Disease in Boys With X-linked Adrenoleukodystrophy", University of Minnesota UROP Symposium. (April 18, 2012).
 71. **Lund, T. C.**, Verneris, M., Orchard, P., Tolar, J., Wesidorf, D., Brunstein, C. B. "Outcomes of Second Transplant After Graft Failure", BMT Tandem Meetings, San Diego, California. (February 8, 2012).
 72. Glass, T. J., Stadem, P., Patrinostrro, X., Blazar, B. R., **Lund, T. C.** "The Developing Central Nervous System in a bmi1a:gfp Transgenic Zebrafish", 7th European Zebrafish Meeting, Edinburgh, Scotland. (July 9, 2011).
 73. **Lund, T. C.**, Glass, T. J., Patrinostrro, X., Blazar, B. R. "Zebrafish Stromal Cells Have Mesenchymal, Endothelial, and Hematopoietic Niche Properties", 7th European Zebrafish Meeting, Edinburgh, Scotland. (July 9, 2011).
 74. **Lund, T. C.**, Panoskaltsis-Mortari, A., Orchard, P., Tolar, J. "Investigation of Inflammatory Makers in the CSF Boys with Cerebral Adrenoleukodystrophy", 39th Annual Meeting of the Child Neurology Society, Providence, Rhode Island. (October 16, 2010).
 75. Orchard, P. J., Basso, L., Kivisto, T., Raymond, G., Charnas, L., Nascene, D., **Lund, T. C.**, Tolar, J. "Chitotriosidase as an Inflammatory Biomarker of Cerebral Adrenoleukodystrophy", Child Neurology Society 39th Annual Meeting, Providence, Rhode Island. (October 16, 2010).
 76. **Lund, T. C.**, Kobs, A., Blazar, B. R., Tolar, J. "Mesenchymal Stromal Cells from Donors Varying Widely in Age are of Equal Cellular Fitness", Gordon Research Conferences – Biology of Aging Conference, Les Diablerets, Switzerland. (August 27, 2010).
 77. Perko, R. P., **Lund, T. C.** "Measuring the Impact of Medicine Cabinets and their Education Within Community Orphanages in Uganda", The 19th Annual GHEC Conference and The 1st Latin American and Caribbean Conference on Global Health, Cuernavaca, Mexico. (April 11, 2010).
 78. **Lund, T. C.**, Kobs, A., Blazar, B. R., Tolar, J. "Mesenchymal Stem Cells: Healthy At Any Age", BMT Tandem Meetings, Orlando, Florida. (February 28, 2010).
 79. Orchard, P. J., Basso, L., Kivisto, T., Raymond, G., Charnas, L., **Lund, T. C.**, Tolar, J.

- "Chitotriosidase as a Biomarker of Cerebral Adrenoleukodystrophy", WORLD Symposium, Miami, Florida. (February 12, 2010).
80. Tolar, J., Dickson, P., Osborn, M. J., **Lund, T. C.**, Clark, H. B., Orchard, P. J. "Intrathecal and Intravenous Iduronidase with Transplantation for Hurler Syndrome (MPS IH)", WORLD Symposium, Miami, Florida. (February 12, 2010).
81. Tolar, J., I-H, P., Xia, L., Osborn, M. J., **Lund, T. C.**, Orchard, P. J., Daley, G. Q., Blazar, B. R. "Patient Specific Induced Pluripotent Stem Cells in Mucopolysaccharidosis Type I", WORLD Symposium, Miami, Florida. (February 12, 2010).
82. **Lund, T. C.**, Glass, T. J., Tolar, J., Zon, L. I., Blazar, B. R. "A Model System for Visualization of Whole-Body sdf-1 Expression During Hematopoietic Cell Transplant", 51st American Society of Hematology Annual Meeting, New Orleans, Louisiana. (December 8, 2009).
83. Smith, A., Tolar, J., Kivisto, T. J., **Lund, T. C.**, Orchard, P. "Treatment of High Risk Inherited Lysosomal and Peroxisomal Disorders Using Reduced Intensity Hematopoietic Cell Transplantation", 51st American Society of Hematology Annual Meeting, New Orleans, Louisiana. (December 8, 2009).
84. **Lund, T. C.**, Kobs, A., Blazar, B. R., Tolar, J. "Robust Mesenchymal Stem Cells for Clinical Applications Can Be Derived from Donors of Any Age", 5th International Conference on Mesenchymal and Non-Hematopoietic Stem Cells, Austin, Texas. (November 14, 2009).
85. **Lund, T. C.**, Basso, L., Tolar, J., Orchard, P. J. "G-CSF Mobilized Human Peripheral Blood Contains Adherent Cells with Mesenchymal Stem Cell (MSC)-Like Properties and Have Telomere Limited Growth In Vitro", ASHPO 20th Annual Meeting, Toronto, Canada. (May 7, 2007).
86. **Lund, T. C.**, Basso, L., Orchard, P. J. "G-CSF Mobilized Human Mesenchymal Stem Cells Are Found in the Peripheral Blood and Have Telomere Limited Growth Potential.", 48th Annual American Society of Hematology Meeting, Orlando, Florida. (December 12, 2006).
Abstract #4246
87. **Lund, T. C.**, Nelson, S. A., Grange, R. W., Lowe, D. A. "Telomere Shortening in Skeletal Muscle from MDX Mice", 45th Annual American Society for Cell Biology Meeting, San Francisco, California. (December 14, 2005).
88. **Lund, T. C.**, Anderson, L. B., Verneris, M. R., Grzywacz, B., Miller, J. S. "The Determination of the Membrane Proteome of Natural Killer Cells", 47th Annual American Society of Hematology Meeting, Atlanta, Georgia. (December 13, 2005).
89. **Lund, T. C.**, Alabi, A., Sarge-Njie, R., Schim van Der Loeff, M., Whittle, H. "HIV-1, -2 Screening by PCR from Dried Blood Spots", International Health Medical Education Consortium (IHMEC), Havana, Cuba. (March 2002).

Other Presentations

Underline - indicates student presenter

1. **Lund, T. C., (Author & Presenter)** "From Donor to Recipient: Engrafting the Brain after Bone Marrow Transplant", Neurology Grand Rounds, (Virtual), United States. (September 19, 2023). Presentation/Talk.
2. **Lund, T. C.** "An Overview of MPS I and II Diagnoses", Texas Newborn Screening Program Lysosomal Storage Disorder Stakeholder Meeting, Texas Department of State Health Services, Austin, Texas. (August 24, 2023). Podium.

3. **Lund, T. C.** "From Recipient to Donor, musings on Brain Engraftment after BMT", Pediatric Grand Rounds. (August 9, 2023). Presentation/Talk.

Media Contributions

1. KSTP-TV, "A '2 in 2 million' connection on a difficult journey with a very rare disorder", <https://kstp.com/kstp-news/top-news/a-2-in-2-million-connection-on-a-difficult-journey-with-a-very-rare-disorder/>. (August 22, 2023)
2. St. Louis KMOV4 TV, "Rare Neurological Disorder Added to Missouri Newborn Screening", <https://www.kmov.com/video/2023/02/27/rare-neurological-disorder-added-missouri-newborn-screening/>. (February 27, 2023)
3. M Health Fairview, "Dr. Troy **Lund** and the Groh Family's Win against ALD", <https://med.umn.edu/news/dr-troy-Lund-and-groh-familys-win-against-ald>. (February 23, 2023)
4. Commercial-News, "Team Blake fundraiser could expand into Family Fun Day", https://www.commercial-news.com/news/team-blake-fundraiser-could-expand-into-family-fun-day/article_ed874764-5ce4-11ec-b391-7b9c000e6891.html. (December 24, 2021)
5. Regina Leader-Post, "Kirsten Finn encourages families dealing with rare disease 'don't take no for an answer'", <https://leaderpost.com/news/politics/kirsten-finn-encourages-families-dealing-with-rare-disease-dont-take-no-for-an-answer>. (November 23, 2021)
6. Regina News, "Sask. to reimburse family who left province for \$1M life-saving procedure", <https://regina.ctvnews.ca/sask-to-reimburse-family-who-left-province-for-1m-life-saving-procedure-1.5676554>. (November 22, 2021)
7. Fox 9 KMSP, "'ALD Can't Stop Brock!' - One family's story ahead of Rare Disease Day, Fox 9 Morning Buzz", <https://www.fox9.com/video/905375>. (February 26, 2021)
8. M Health Fairview, "After a life-saving transplant, the Groh family is on a mission to 'X out ALD'", <https://www.mhealthfairview.org/blog/After-a-lifesaving-transplant-Groh-family-is-on-a-mission-to-X-out-ALD>. (February 19, 2021)
9. Global News | Corus Entertainment, "Saskatoon family looking for provincial funding to cover son's U.S. medical treatment for disease", <https://globalnews.ca/news/7312833/saskatoon-family-provincial-funding-medical-treatment-rare-disease/>. (September 2, 2020)
10. M Health Fairview, "What is a rare disease, and how are they treated?", <https://www.mhealthfairview.org/blog/What-Is-A-Rare-Disease-And-How-Are-They-Treated>. (February 28, 2019)
11. M Health Fairview, "Tanay and his family find hope for adrenoleukodystrophy (ALD) with gene therapy trial", <https://www.mhealthfairview.org/blog/Tanay-And-His-Family-Find-Hope-For-Adrenoleukodystrophy-Ald-With-Gene-Therapy-Trial>. (September 2018)
12. M Health Fairview, "ALD Comprehensive Clinic expands to help more adrenoleukodystrophy patients and families", <https://www.mhealthfairview.org/blog/Ald-Comprehensive-Clinic-Expands-To-Help-More-Adrenoleukodystrophy-Patients-And-Families>. (September 7, 2018)
13. M Health Fairview, "After a long search for answers, family finds expert care for a rare disease", <https://www.mhealthfairview.org/blog/After-Long-Search-For-Answers-Family-Finds-Expert-Care-For-Rare-Disease>. (February 28, 2018)

Prophylaxis for Patients at High-Risk for Invasive Fungal Infections (IFI) Following Allogeneic Hematopoietic Cell Transplantation (HCT), Co-Investigator Internal Code: MT2014-11 IRB# 1309M43941 Status: Closed to Accrual	
Tandem Myeloablative Consolidation Therapy and Autologous Stem Cell Rescue for High-Risk Neuroblastoma Internal Code: MT2015-25 IRB# 1601M82901 Status: Open to Accrual	June 6, 2016 - Present
Novartis CCTL019B2202; A Phase II, single arm, multicenter trial to determine the efficacy and safety of CTL019 in pediatric patients with relapsed and refractory B-cell acute lymphoblastic leukemia, Co-Investigator Internal Code: HM2015-14 IRB# 1506M73201 Status: Closed to Accrual	March 17, 2016 - Present
Risk-Stratified Randomized Phase III Testing of Blinatumomab in First Relapse of Childhood B-Lymphoblastic Leukemia (B-ALL), Co-Investigator Internal Code: AALL1331 IRB# 1509M78143 Status: Open to Accrual	January 7, 2016 - Present
DT2219 immunotoxin for the treatment of relapsed or refractory CD19 (+) and/or CD 22 (+) B-lineage leukemia or lymphoma, Co-Investigator Internal Code: HM2014-26 IRB# 1502M64121 Status: Closed to Accrual	December 21, 2015 - Present
Stromal Factors in the bone marrow microenvironment, Primary Investigator IRB# 1202M10361 Status: Open to Accrual	October 28, 2015 - Present
ALD-103 : A Prospective and Partially Retrospective Study to Evaluate Outcomes of Allogeneic Hematopoietic Stem Cell Transplantation for the Treatment of Childhood Cerebral Adrenoleukodystrophy, Co-Investigator Internal Code: MT2014-32R IRB# 1506M74603 Status: Open to Accrual	October 13, 2015 - Present
Treatment of Graft Failure After Hematopoietic Stem Cell Transplantation, Primary Investigator Internal Code: MT2013-06C IRB# 1401M49341 Status: Open to Accrual	March 25, 2015 - Present
Hematopoietic Stem Cell Transplant for Dyskeratosis Congenita or Severe Aplastic Anemia: Standard of Care Considerations, Co-Investigator Internal Code: MT2013-34C IRB# 1404M50183 Status: Open to Accrual	January 10, 2015 - Present
Allogeneic Hematopoietic Cell Transplantation for Inherited Metabolic Disorders and Severe Osteopetrosis following Conditioning with Busulfan (Therapeutic Drug Monitoring),	July 1, 2014 - Present

Fludarabine +/- ATG, Co-Investigator Internal Code: MT2013-31 IRB# 1406M51542 Status: Open to Accrual	March 17, 2014 - Present
Longitudinal Study of Immune Mediated Disorders after Allogeneic HCT, Co-Investigator Internal Code: MT2009-21R IRB# 1011M93246 Status: Closed to Accrual	March 17, 2014 - Present
Longitudinal Study of Immune Mediated Disorders after Allogeneic HCT Protocol (Project 1) Immune Mediated Disorders After Allogeneic HCT – Training, Co-Investigator Internal Code: MT2009-21 IRB# 1011M93246 Status: Closed to Accrual	March 17, 2014 - Present
Allogeneic Hematopoietic Stem Cell Transplant for Patients With Primary Immune Deficiencies, Co-Investigator Internal Code: MT2012-10C IRB# 1207M17321 Status: Open to Accrual	September 4, 2012 - Present
Second or Greater Allogeneic Hematopoietic Stem Cell Transplant Using Reduced Intensity Conditioning (RIC), Co-Investigator Internal Code: MT2012-11C IRB# 1207M17641 Status: Open to Accrual	August 9, 2012 - Present
Infusion of Cell Populations from Unlicensed Umbilical Cord Blood Units, Co-Investigator Internal Code: MT2011-13R IRB# 1108M03241 Status: Open to Accrual	October 20, 2011 - Present
Biochemical Correction of Severe Epidermolysis Bullosa by Allogeneic Stem Cell Transplantation, Co-Investigator Internal Code: MT2009-09 IRB# 0911M74035 Status: Open to Accrual	January 14, 2010 - Present
Characteristics of Oxidative Changes and Inflammatory Markers of Disease in Patients and Controls, Primary Investigator Internal Code: MT2008-35R IRB# 0808M42321 Status: Open to Accrual	November 20, 2008 - Present
Total Body Irradiation Dose De-Escalation Study in Patients with Fanconi Anemia Undergoing Alternate Donor Hematopoietic Cell Transplantation, Co-Investigator Internal Code: MT2006-05 IRB# 0605M85788 Status: Open to Accrual	May 18, 2006 - Present
Hematopoietic Stem Cell Transplantation in the Treatment of Infant Leukemia, Co-Investigator Internal Code: MT2005-25 IRB# 0511M77206 Status: Open to Accrual	November 21, 2005 - Present
Hematopoietic Stem Cell Transplantation in High Risk Patients with Fanconi Anemia, Co-Investigator Internal Code: MT2002-02 IRB# 0202M18741 Status: Open to Accrual	March 26, 2002 - Present

<p>A Study of Cyclophosphamide, Fludarabine, and Antithymocyte Globulin Followed by Matched Sibling Donor Hematopoietic Cell Transplantation in Patients with Fanconi Anemia, Co-Investigator</p>	<p>February 17, 2000 - Present</p>
<p>Internal Code: MT2000-09 IRB# 0001M34441 Status: Open to Accrual</p>	
<p>Collection of Blood, Bone Marrow, Skin, and Tumor Samples from Patients with Fanconi Anemia (FA) and Epidermolysis Bullosa (EB), Co-Investigator</p>	<p>October 25, 1999 - Present</p>
<p>Internal Code: MT2013-01R IRB# 9907M12681 Status: Open to Accrual</p>	
<p>G6PD Deficiency in Ugandan Blood Donors, Primary Investigator</p>	<p>2015 - 2020</p>
<p>Treatment of High Risk, Inherited Lysosomal and Peroxisomal Disorders by Reduced Intensity Hematopoietic Cell Transplantation and Low-Dose Total Body Irradiation with Marrow Boosting by Volumetric Modulated Arc Therapy (VMAT), Co-Investigator</p>	<p>May 1, 2018</p>
<p>Internal Code: MT2011-24 IRB# 1205M14502 Status: Terminated</p>	
<p>COG ANBL12P1: Pilot Study Using Myeloablative Busulfan/Melphalan (BuMel) Consolidation Following Induction Chemotherapy for Patients with Newly Diagnosed High-Risk Neuroblastoma, Co-Investigator</p>	<p>September 28, 2017</p>
<p>Internal Code: MT2013-14 IRB# 1306M37141 Status: Terminated</p>	
<p>Single-Center, Open Label, Randomized Trial Comparing StemRegenin-1 Expanded Versus Unmanipulated Umbilical Cord Blood Transplantation In Patients With High-Risk Malignancy</p>	<p>June 2, 2017</p>
<p>Internal Code: MT2016-01 IRB# 1604M86745 Status: Abandoned</p>	
<p>Treatment of High Risk, Inherited Lysosomal and Peroxisomal Disorders by Reduce Intensity Hematopoietic Stem Cell Transplantation, Co-Investigator</p>	<p>May 5, 2017</p>
<p>Internal Code: MT2016-14 IRB# 0606M87246 Status: Abandoned</p>	
<p>CTN 0501 – Multi-center, Open Label, Randomized Trial Comparing Single Versus Double Umbilical Cord Blood (UCB) Transplantation in Pediatric Patients with Leukemia and Myelodysplasia, Co-Investigator</p>	<p>March 20, 2017</p>
<p>Internal Code: MT2006-20 IRB# 0611M96386 Status: IRB Study Closure</p>	
<p>Hepatitis C, Syphilis, and G6PD Deficiency in Cameroonian Blood Donors, Primary Investigator</p>	<p>January 2016 - January 2017</p>
<p>Lymphodepleting Chemotherapy with Rituximab and Allogeneic Natural Killer Cells for Patients with Refractory Lymphoid Malignancies, Co-Investigator</p>	<p>November 30, 2016</p>
<p>Internal Code: MT2009-15</p>	

IRB# 1002M77545 Status: Terminated	
Defibrotide for Patients With Hepatic Veno-occlusive Disease (VOD): A Treatment IND Study (Under CFR 312.34), Co-Investigator	October 21, 2016
Internal Code: MT2008-26 IRB# 0807M41621 Status: IRB Study Closure	
Allogeneic Hematopoietic Stem Cell Transplantation for Standard Risk Inherited Metabolic Disorders, Co-Investigator	July 26, 2016
Internal Code: MT2009-19 IRB# 0910M73814 Status: Terminated	
Allogeneic Transplantation For Severe Osteopetrosis, Co-Investigator	July 26, 2016
Internal Code: MT2008-20 IRB# 0808M42261 Status: Terminated	
Outcomes of Supplying Medicines to Orphanages in Uganda, Primary Investigator	2011 - 2014
G6PD Deficiency in Nigerian Children by Ethnic Group, Primary Investigator	December 2011

SERVICE AND PUBLIC ENGAGEMENT

Service to the Discipline/Profession/Interdisciplinary Area(s)

Ad Hoc Reviewer

Nature Genetics	May 2020 - Present
NIH NHLBI Mentored Patient Oriented Research (MPOR) Review Panel	February 2020 - Present
Nature Communications	2018 - Present
Molecular Genetics and Metabolism	2013 - Present
Nature Reports	2013 - Present
Orphanet Journal of Rare Diseases	2013 - Present
Annals of Neurology	2009 - Present
Journal of Inherited Metabolic Disease	2009 - Present
Biology of Blood and Marrow Transplant	2000 - Present
Blood	2000 - Present
Journal of Laboratory and Clinical Medicine	2000 - Present
Pediatric Blood and Cancer	2000 - Present
PLoSOne	2000 - Present
Stem Cells	2000 - Present

Transplantation	2000 - Present
Journal of Virology	1996 - 2002
Board of Directors	
United Leukodystrophy Foundation Scientific Board, approximately 40 hours spent per year	June 1, 2019 - Present
Industry Advisory Council on ALD	2017 - Present
ALD Connect, approximately 80 hours spent per year	June 1, 2016 - Present
Grant Reviewer	
California Institute for Regenerative Medicine (CIRM) Translational Research Projects	2019 - Present
California Institute for Regenerative Medicine (CIRM) Clinical Stage Projects Program	2018 - Present
UPenn Orphan Disease Center – Million Dollar Bike Ride Grant Program	2017 - Present
European Leukodystrophy Association	2016 - Present
Great Ormond Street Hospital Children's Charity Pan-PK Study in BMT	November 2018
The Netherlands Organisation for Scientific Research Adrenoleukodystrophy: from axonal degeneration to clinical trial readiness	November 2018
The Research Foundation – Flanders (FWO)	July 2018
LA BioMed Seed Grant Program Use of L-Glutamine in Patients with Sickle Cell Disease	May 2018
2018 North Carolina Biotechnology Center's Institutional Development Grant (IDG) Program X-RAD 320 XL X-Ray irradiator for cell and small animal research	November 2017
Department of Defense Reconstructive Transplant Awards	January 14, 2015 - January 15, 2015
Department of Defense Ideas Awards	July 11, 2012 - July 12, 2012
Member	
NIH Center for Scientific Review Special Emphasis Panel	2023 - Present
ACMG - Lysosomal Storage Disease Variants Curation Expert Panel	2021 - Present
ASH-AABB Transfusion Transmitted Diseases Committee	2013 - Present
CIBMTR Pediatric Cancer Working Committee	2010 - Present
CIBMTR PID and Inborn Errors of Metabolism Working Committee	2010 - Present
American Chemical Society	2009 - Present

ASH Committee on Government Affairs	2013 - 2021
ASH-HVO International Hematology Steering Committee	2011 - 2019
American Society for Blood and Marrow Transplantation Meeting Organizing Committee	2015
ASBMT Abstract Review Committee, Pediatric Disorders	2015
American Society of Pediatric Hematology-Oncology Membership Committee	2008 - 2013
Minority Association of Pre-Medical Students (MAPS): Empowering Physicians Panel to encourage minority medical school applicants	2008 - 2013
American Society for Hematology Training Council	2007 - 2009

Mentor

Virtual 26th Annual Blood-Brain Barrier Consortium	March 12, 2021
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Moderator

2021 United Leukodystrophy Foundation	June 2021 - Present
American Society of Hematology 53rd Annual Meeting, San Diego, CA Graft Failure Session	December 6, 2011 - Present

Organizer

ALD Family Gathering, University of Minnesota Leukodystrophy Center	June 10, 2023 - Present
Mucopolysaccharidosis Newborn Screening Meeting, Minneapolis, Minnesota, approximately 20 hours spent per year	April 10, 2023 - April 12, 2023
Pediatric Global Health Workshop Day	October 8, 2018
IOM Africa MHD Mini Panel Physicians Training	November 15, 2017 - November 17, 2017
Adrenoleukodystrophy Biomarker Summit, Boston, MA	March 7, 2015 - March 8, 2015

Panelist

ALD Connect Patient Learning Academy 2023 MeetThe Expert Panel Translational Research Projects	November 4, 2023 - Present
NCI Burkitt's Lymphoma Panel, Philadelphia, PA National Cancer Institute	July 29, 2012 - July 31, 2012

Public Advocate

AAP Advocate for Children's Health Advocacy Day, Washington, D.C.	February 6, 2012
ASH Advocacy Leadership Institute, Washington, D.C.	October 12, 2011 - October 13,

2011

Service to the University/College/Department

College

University of Minnesota

Member, Exploring Diversity in STEM	April 27, 2022 - Present
Member, Institute for Engineering in Medicine	2016 - Present
Advisor, Master of Biological Sciences (MBS), College of Continuing and Professional Studies	2012 - Present
Member, Masonic Cancer Center	2009 - Present
Member, Stem Cell Institute	2009 - Present
Reviewer, AHC Seed Faculty Seed Grants	2014 - 2016
Reviewer, AHC Faculty Research Development Grants	2015
Speaker, AMSA Medical Career Day	2012

University

University of Minnesota

Member, Institutional Biosafety Committee (IBC)	2013 - Present
Reviewer, Undergraduate Research Opportunities Program (UROP) grants	2013 - Present

Department

University of Minnesota

Member, WineFest Advisory Committee	2012 - Present
Reviewer, Department of Pediatrics "R" Award Grants	2018
Organizer, Global Pediatrics Research Networking Night	April 12, 2018

Public and External Service

Founder and CEO, Medicine for Sick Children Foundation Devoted to fighting illness in developing countries. www.medicineforsickchildren.org	2006 - Present
Member, How Do Zebrafish Help Us with Cancer Research Minnesota Science Museum	2012 - 2019
Member, Health Volunteers Overseas	2005 - 2019

International Engagement Summary

Summarize international activities from the past year:

G6PD Deficiency in Ugandan Blood Donors

In what countries did these activities take place:
Uganda

Summarize international activities from the past year:
Hepatitis C, Syphilis, and G6PD Deficiency in Cameroonian Blood Donors

Annotation:
01/2016-01/2017

Summarize international activities from the past year:
Outcomes of Supplying Medicines to Orphanages in Uganda

Annotation:
2011-2014

Summarize international activities from the past year:
G6PD Deficiency in Nigerian Children by Ethnic Group

Annotation:
Completed

International Footprint Activities

**Summary of activities flagged as international (items also included by type in report above).*

Consulting and Outside Professional Commitments

Advisory Board Member, MLD/MPS, Takeda. (2020 - Present).	2020 - Present
Advisory Board, Aspartylglycosaminuria, Neurogene. (2019 - Present).	2019 - Present
Advisory Board Member, Bluebird Bio, Inc., Rome, Italy. (November 8, 2018).	November 8, 2018
Advisory Board Member, Genzyme 2nd Working Group on Aldurazyme use post-transplant, Amsterdam, Netherlands. (May 6, 2013 - May 7, 2013).	May 6, 2013 - May 7, 2013

Presentations

- Lund, T. C.** "Mesenchymal Stem Cells (MSC) to treat active cerebral ALD", ALD Connect Annual Meeting 2023, United States. (November 4, 2023).
- Lund, T. C.** "Brain Engraftment, Biomarkers, and Transplant", ALD Connect Annual Meeting 2023, United States. (November 3, 2023).
- Lund, T. C.** "Success of the Newborn Screen for Adrenoleukodystrophy", Alex TLC Community Weekend Conference, Alex, The Leukodystrophy Charity, Birmingham, England. (April 30, 2023).
- Lund, T. C.** "Transplant for Advanced Cerebral ALD: Risk-Benefit", Alex TLC Community Weekend Conference, Alex, The Leukodystrophy Charity, Birmingham, England. (April 29, 2023).

- Lund, T. C.** "Stem cell Homing to the Bain for Peroxisome Transfer", Minoryx Scientific Expert Meeting, Minoryx, Paris. (February 9, 2023).
- Lund, T. C.** "Sharing Peroxisomes", ALD Connect Annual Meeting. (November 4, 2022).
- Lund, T. C.** "Primary graft failure in pediatric non-malignant disease: An old but critical hurdle", International Congress of BMT 2022, KSBMT, Busan, Korea, Democratic People's Rep. (September 1, 2022).
- Pillai, N. R., (Author & Presenter), Gupta, A., (Author), **Lund, T. C., (Author)**, Orchard, P. J., (Author), Braunlin, E., (Author), Department of Pediatrics, Division of Genetics and Metabolism, University of Minnesota,, (Author), Pediatric Blood and Marrow Transplant, University of Minnesota,, (Author), University of Minnesota, (Author), Pediatrics, University of Minnesota, (Author) "Hematopoietic cell transplantation for Mucopolysaccharidosis type I in the presence of decreased cardiac function", 18th Annual WORLD Symposium, San Diego, California. (February 8, 2022).
- Lund, T. C.** "Reproductive Options for ALD Families", 2021 ALD Connect. (March 5, 2021).
- Lund, T. C.** "A (fish)Tale on Two Continents, G6PD biology", Global Health Research Series, University of Minnesota, Minneapolis, Minnesota. (January 29, 2021).
- Lund, T. C.** "Treatment Updates Expert Panel", Alex - The Leukodystrophy Charity. (November 8, 2020).
- Lund, T. C.** "Updates on the Treatment of Cerebral ALD", Alex - The Leukodystrophy Charity. (November 7, 2020).
- Lund, T. C.** "G6PD Deficiency - A Global Perspective", United States Agency for International Development (USAID). (October 22, 2020).
- Lund, T. C.,** Eichler, F. "Debate - Stem Cell Transplant versus Gene Therapy for X-ALD (with Troy **Lund** and Florian Eichler)", The European Society for Blood and Marrow Transplantation IEWP Annual Educational Meeting, London, United Kingdom. (October 11, 2019).
- Lund, T. C.** "Anemia, Hemoglobinopathies, and Thalassemias", 2019 Intergovernmental Panel Physicians Training Summit, Accra, Ghana. (April 9, 2019).

Discipline/Profession/Interdisciplinary Areas

ACMG - Lysosomal Storage Disease Variants Curation Expert Panel	2021 - Present
United Leukodystrophy Foundation Scientific Board, approximately 40 hours spent per year	June 1, 2019 - Present
Industry Advisory Council on ALD	2017 - Present
ALD Connect, approximately 80 hours spent per year	June 1, 2016 - Present

Public/External/Community

Founder and CEO, Medicine for Sick Children Foundation	2006 - Present
Devoted to fighting illness in developing countries. www.medicineforsickchildren.org Member, Health Volunteers Overseas	2005 - 2019