Name	Professor Geoffrey Hill, MD, FRACP, FRCPA
Current Position	Senior VP and Director, Translational Science and Therapeutics Division, Fred Hutchinson Cancer Center
Country	USA
Major Field	GVHD & Immunology

Educational Background

Geoff Hill is a medical graduate of the University of Auckland and Hematologist, training in New Zealand and The Dana Farber Cancer Institute in Boston. He was PI of a transplant immunology laboratory in Brisbane, Australia between 2001 and 2018 which focused on the interactions between cytokines, antigen presenting cells and T cell differentiation during stem cell transplantation. His laboratory developed a number of paradigms in the field that have instructed clinical practice over this period.

Professional Experience

Prof. Hill moved to The Fred Hutchinson Cancer Center (Fred Hutch) in Seattle, USA in 2018 to take up the Jose Carreras/E. Donnall Thomas Endowed Chair for Cancer Research and Director roles for Hematopoietic Stem Cell Transplantation and the Immunotherapy Integrated Research Center. In 2022, he also became Senior Vice President and the Head of the newly formed Translational Science and Therapeutics Division. During his tenure with Fred Hutch, his laboratory has developed new multiome and imaging approaches to study aberrant and tumor-specific immune responses in tissue that have led to a number of new NIH R01, U01 and P01 funded preclinical and translational clinical studies.

Other Experience and Professional Memberships

1991- Royal Australasian College of Physicians
1993- Royal College of Pathologists of Australasia
1993- Transplantation Society of Australia and New Zealand
1993- Hematology Society of Australia and New Zealand
1993- International Society for Hematology and Graft Engineering
2002- Australian Society of Immunology
2003- Australian Society of Bone Marrow Transplantation
2003- American Society of Hematology
2003- American Association of Immunology
2003- American Society of Bone Marrow Transplantation
2022- American Association of Physicians

Main Scientific Publications

1. **Hill GR**, Crawford JM, Cooke KR, et al. Total body irradiation and acute graft-versus-host disease. The role of gastrointestinal damage and inflammatory cytokines. ***Blood*** 1997; 90:3204-3213. PMID: 9376604
2. **Hill GR**, Olver SO, Kuns RD et al., MacDonald KP. Stem cell mobilization with G-CSF induces type-17 differentiation and promotes scleroderma. ***Blood*** 2010, 116(5):819-28. PMID: 20435882.
3. Koyama M, Kuns RD, Olver SD, et al., **Hill GR**. Recipient nonhematopoietic antigen-presenting cells are sufficient to induce lethal acute graft-versus-host disease. ***Nat Med*** 2012;18:135-142. PMID: 22127134
4. Alexander KA, Flynn R, Lineburg KE et al., **Hill GR** & MacDonald KP. CSF-1-dependant Bone Marrow Derived Macrophages Mediate Chronic Graft-Versus-Host Disease. ***J Clin Invest.*** 2014; 124(10):4266-80. PMID: 25157821.
5. Koyama M, Mukhopadhyay P, Schuster I, et al., **Hill GR**. MHC class II antigen presentation by the intestinal epithelium initiates graft-versus-host disease and is influenced by the microbiota. ***Immunity*** 2019; 51:885-898. PMC6959419.
6. Martins JP, Andoniou CE, Fleming P, Kuns RD, Daly S, Schuster IS, Varelias A, Tey SK, Degli-Esposti MA*, **Hill GR***. Strain-specific antibody therapy prevents cytomegalovirus reactivation after transplantation. ***Science*** 2019; 363:288-293. (*denotes equal contribution) PMID: 30655443.
7. Vuckovic S, Minnie S, Smith D, et al., **Hill GR**. Bone marrow transplantation generates T cell-dependent myeloma control in mice. ***J Clin Invest.*** 2019; 129:106-121. PMC6307976.
8. Minnie SA, Waltner OG, Ensbey KS., et al **Hill GR.** Depletion of exhausted alloreactive T cells enables targeting of stem like memory T cells to generate tumor-specific immunity. ***Science Immunology.*** 2022, Oct 21;7(76):eabo3420. PMID: 36240285.
9. Minnie SA, Waltner OG, Ensbey KS, et al., **Hill GR.** Checkpoint inhibition with anti-TIGIT and lenalidomide provide synergistic anti-myeloma activity after SCT. ***J Clin Invest*.** 2023; Feb 15;133(4):e157907. PMID: 36512425.
10. Koyama M, Hippe DS, Srinivasan S, et al., **Hill GR.** Intestinal Microbiota Controls Graft-versus-Host Disease Independent of Donor-Host Genetic Disparity. ***Immunity*** 2023, Provisionally accepted 5/19/23