Name	John E. Dick PhD FRS
Current Position & Affiliation	Senior Scientist, Princess Margaret Cancer Centre, University Health Network; Helga and Antonio De Gasperis Chair in Blood Cancer Stem Cell Research Professor, Department of Molecular Genetics, University of Toronto University Professor, University of Toronto
Country	Canada
Major Field	The study of normal and leukemic human stem cells.

Educational Background

1974 Registered Radiological Technologist, Misericordia General Hospital, Canada
1978 B.Sc. (Hons) Dept. of Microbiology, University of Manitoba, Canada
1984 Ph.D. Microbiology and Biochemistry, University of Manitoba, Canada

POSTGRADUATE TRAINING:

1978-1984 Graduate Student, Dr. J. Wright, Department of Microbiology and Manitoba Institute of Cell Biology, University of Manitoba, NSERC Scholarship, MHRC Scholarship
1984-1986 Post-doctoral Fellow, Dr. A. Bernstein, Post-doctoral Fellow, Dr. A. Bernstein, Ontario Cancer Institute and Mount Sinai Hospital, Research Institute, University of Toronto, MRC Post-doctoral Fellowship

C. Prizes/Honors (selected from Total 53)

2005 William Dameshek Prize, American Society of Hematology
2007 Don Metcalf Award, International Society of Experimental Hematology
2008 AACR-G.H.A. Clowes Memorial Award, American Association for Cancer Research
2009 E. Donnall Thomas Prize, American Society of Hematology
2014 Fellow of the Royal Society of London, United Kingdom
2016 Gold Leaf Prize for Discovery, Canadian Institutes for Health Research (CIHR)
2016 Fellow of the AACR Academy, (American Association for Cancer Research) USA
2017 Tobias Award, The International Society for Stem Cell Research (ISSCR), USA
2017 KEIO Medical Science Prize, Keio University, Japan
2018 ASH Mentor Award, The American Society of Hematology, USA
2019 ISSCR Award for Innovation, International Society for Stem Cell Research (ISSCR)
2020 Pezcoller Foundation-AACR International Award for Extraordinary Achievement
2020 International Member of the US National Academy of Medicine (USA)
2022 Inaugural Recipient of the AACR Outstanding Achievement in Blood Cancer Research Award
2022 Canada-Gairdner International Award
2024 Inducted, Canadian Medical Hall of Fame
2024 Pioneer Award, 2024 SCARE, Frontiers in Stem Cells & Regeneration, The University of Chicago, Marine Biological Laboratory, USA
2024 Lifetime Contribution Prize, Canadian Cancer Society
2025 International Member of US National Academy of Sciences (USA)
2025 Citation Laureate, The Institute for Scientific Information (ISI)

Other Experience and Professional Memberships

PROFESSIONAL ASSOCIATIONS-MEMBERSHIP

- American Society of Hematology (ASH)
- American Association for Cancer Research (AACR)
- International Society for Stem Cell Research (ISSCR)
- The Royal Society of Canada (RSC)
- The Royal Society of London, United Kingdom (RSUK)
- National Academy of Medicine (NAM)

Main Scientific Publications

Full Publication list:

Link to PubMed

https://pubmed.ncbi.nlm.nih.gov/?term=dick+je+and+toronto&sort=date

Kamel-Reid S, **Dick JE.** Engraftment of immune-deficient mice with human hematopoietic stem cells.**Science**. 1988 PMID: 2904703.

Kamel-Reid S, Letarte M, Sirard C, Doedens M, Grunberger T, Fulop G, Freedman MH, Phillips RA, **Dick JE.** A model of human acute lymphoblastic leukemia in immune-deficient SCID mice. **Science.** 1989 PMID: 2595371.

Lapidot T, Sirard C, Vormoor J, Murdoch B, Hoang T, Caceres-Cortes J, Minden M, Paterson B, Caligiuri MA, **Dick JE.** A cell initiating human acute myeloid leukaemia after transplantation into SCID mice. **Nature.**1994 PMID: 7509044.

Notta F, Doulatov S, Laurenti E, Poeppl A, Jurisica I, **Dick JE.** Isolation of single human hematopoietic stem cells capable of long-term multilineage engraftment. **Science.** 2011 PMID: 21737740

Notta F, Zandi S, Takayama N, Dobson S, Gan OI, Wilson G, Kaufmann KB, McLeod J, Laurenti E, Dunant CF, McPherson JD, Stein LD, Dror Y, **Dick JE**. Distinct routes of lineage development reshape the human blood hierarchy across ontogeny. **Science.** 2016 PMID: 26541609.

O'Brien CA, Pollett A, Gallinger S, **Dick JE.** A human colon cancer cell capable of initiating tumour growth in immunodeficient mice. **Nature.** 2007 PMID: 17122772

Wagenblast E, Araújo J, Gan OI, et al, **Dick JE***, Lechman ER*. Mapping the cellular origin and early evolution of leukemia in Down Syndrome. **Science.** 2021.PMID: 34244384 **(*Shared senior authors)**

Zeng AGX, Bansal S, et al, **Dick JE**. A cellular hierarchy framework for understanding heterogeneity and predicting drug response in AML **Nat Med.** 2022 PMID: 35618837

Kreso A, O'Brien CA, van Galen P, et al **Dick JE**. Variable clonal repopulation dynamics influence chemotherapy response in colorectal cancer. **Science.** 2013 PMID:23239622

Notta F, Mullighan CG, Wang JC, Poeppl A, Doulatov S, Phillips LA, Ma J, Minden MD, Downing, JR, **Dick JE.** Evolution of human BCR-ABL1 lymphoblastic leukaemia-initiating cells. **Nature**. 2011 PMID: 21248843

Shlush LI, Zandi S, Mitchell A, et al **Dick JE.** Identification of pre-leukaemic haematopoieticstem cells in acute **leukaemia. Nature**. 2014 PMID: 24522528.

Shlush LI, Mitchell A, et al **Dick JE.** Tracing the origins of relapse in acute myeloid leukaemia to stem cells. **Nature.** 2017 PMID: 28658204.

Abelson S, Collord G, 67 co-authors, **Dick JE***, Gerstung M*, Brennan P*, Vassiliou GS*, Shlush LI*. Prediction of acute myeloid leukaemia risk in healthy individuals. **Nature** 2018 ***shared senior authors** PMID: 29988082.