

# CURRICULUM VITAE

## PERSONAL INFORMATION

**Name:** Charles Lee, Ph.D., FACMG

**Position Title:** Director and Professor, The Jackson Laboratory for Genomic Medicine  
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## EDUCATION/TRAINING

INSTITUTION AND LOCATION	DEGREE	COMPLETION DATE	FIELD OF STUDY
University of Alberta, Alberta, Canada	B.S.	06/1990	Genetics
University of Alberta, Alberta, Canada	M.Sc.	06/1993	Experimental Pathology
University of Alberta, Alberta, Canada	Ph.D.	06/1996	Medical Sciences
Cambridge University, Cambridge, UK	Postdoc	06/1998	Molecular Cytogenetics
Harvard Medical School, Boston, MA, USA	Postdoc	06/2001	Clinical Cytogenetics

## AWARDS/HONORS AND APPOINTMENTS

2008	Ho-Am Prize in Medicine, Ho Am Foundation, Seoul, South Korea
2008	C. Thomas Caskey Award, University of South Carolina, SC
2010	George W. Brumley, Jr., M.D. Memorial Award, Duke University, Durham, NC
2012	Chen Global Investigator Award, Human Genome Organization (HUGO)
2012	Fellow, American Association for the Advancement of Science (AAAS)
2012	Vandenbergh Visiting Chair, Center for Human Genetics, Catholic University of Leuven, Belgium
2013-2015	Distinguished Visiting Professor, Seoul National University School of Medicine, South Korea
2014	Citation Laureate, Thompson Reuter, USA
2015-Present	Distinguished Ewha University Visiting Professor, Ewha Womans University, South Korea
2017-Present	President of The International Human Genome Organisation (HUGO)

## SELECTED PUBLICATIONS

- Iafraite AJ, Feuk L, Rivera MN, Listewnik ML, Donahoe PK, Qi Y, Scherer SW, Lee C\*. Detection of large-scale variation in the human genome. *Nat Genet.* 2004 Sep; 36(9): 949-51
- Tomlins SA, Rhodes DR, Perner S, Dhanasekaran SM, Mehra R, Sun XW, Varambally S, Cao X, Tchinda J, Kuefer R, Lee C, Montie JE, Shah RB, Pienta KJ, Rubin MA, Chinnaiyan AM. Recurrent fusion of TMPRSS2 and ETS transcription factor genes in prostate cancer. *Science.* 2005 Oct 28; 310(5748): 644-8
- Perry GH, Dominy NJ, Claw KG, Lee AS, Fiegler H, Redon R, Werner J, Villanea FA, Mountain JL, Misra R, Carter NP, Stone AC\*, Lee C\*. Diet and the evolution of human gene copy number variation. *Nat Genet.* 2007 Oct; 39(10): 1256-60. \*co-senior author
- Mills RE, Walter K, Stewart C, Handsaker RE, Chen K, Alkan C, ..., Eichler EE\*, Gerstein MB\*, Hurler ME\*, Lee C\*, McCarroll SA\*, Korbel JO\*; 1000 Genomes Project. Mapping copy number variation by population-scale genome sequencing. *Nature.* 2011 Feb 3; 470(7332): 59-65 \*co-senior author
- Demichelis F, Setlur SR, Banerjee S, Chakravarty D, Chen JY, Chen CX, Huang J, Beltran H, Oldridge DA, Kitabayashi N, Stenzel B, Schaefer G, Horninger W, Bektic J, Chinnaiyan AM, Goldenberg S, Siddiqui J, Regan MM, Kearney M, Soong TD, Rickman DS, Elemento O, Wei JT, Scherr DS, Sanda MA, Bartsch G, Lee C, Klocker H, Rubin MA. Identification of functionally active, low frequency copy number variants at 15q21.3 and 12q21.31 associated with prostate cancer risk. *Proc Natl Acad Sci U S A.* 2012 Apr 24; 109(17): 6686-91
- Yang L, Luquette LJ, Gehlenborg N, Xi R, Haseley PS, Hsieh CH, Zhang C, Ren X, Protopopov A, Chin L, Kucherlapati R, Lee C, Park PJ. Diverse mechanisms of somatic structural variations in human cancer genomes. *Cell.* 2013 May 9; 153(4): 919-29
- Blackburn JS, Liu S, Wilder JL, Dobrinski KP, Lobbardi R, Moore FE, Martinez SA, Chen EY, Lee C, Langenau DM. Clonal evolution enhances leukemia-propagating cell frequency in T cell acute lymphoblastic leukemia through Akt/mTORC1 pathway. *Cancer Cell.* 2014 Mar 17; 25(3): 366-78
- Park H, Cho SY, Kim H, Na D, Han JY, Chae J, Park C, Park OK, Min S, Kang J, Choi B, Min J, Kwon JY, Suh YS, Kong SH, Lee HJ, Liu ET, Kim JI, Kim S, Yang HK, Lee C\*. Genomic alteration in BCL2L1 and DLC1 contribute to drug sensitivity in gastric cancer. *Proc Natl Acad Sci U S A.* 2015 Sep; 112 (40): 12492-97