CURRICULUM VITAE

Name:	Mark S. Schlissel
Birth:	November 24, 1957 Brooklyn, New York
Address:	37 Cooke St. Providence, RI 02906
Phone:	401-863-2706

EMPLOYMENT

Provost (2011-present)
Interim Dean of Biology & Medicine (2013)
Professor of Biology
Brown University
Providence, RI

Dean of Biological Sciences (2008-2011)
College of Letters & Science
Director, Berkeley Health Sciences Initiative
C.H. Li Chair of Biochemistry (2009-2011)
Professor of Immunology (2002-2013)
Professor of Biochemistry & Molecular Biology
Vice-Chair (2002-2007)
Shubert Family Assoc. Professor of Biochemistry
& Associate Professor of Immunology (1999-2002)
Department of Molecular and Cell Biology
University of California, Berkeley
*on leave 2011-2013

Associate Professor (1995-1999)
Assistant Professor (1991-1995)
Department of Medicine
Department of Molecular Biology and Genetics
Department of Oncology
The Johns Hopkins University
School of Medicine

EDUCATION

Undergraduate:	Bachelor of Arts, 1979 Princeton University Major in Biochemical Sciences
Graduate:	M.D. and Ph.D. (Physiological Chemistry), 1986 Johns Hopkins University Thesis Advisor-- Dr. Donald D. Brown
Postgraduate:	Medical Residency, 1986-1988 The Johns Hopkins Hospital

Postdoctoral Research Fellow, 1988-1991
Whitehead Institute for Biological Research
Research Advisor-- Dr. David Baltimore

HONORS AND AWARDS

Undergraduate:	A.B., *Summa cum laude* Elected, Phi Beta Kappa Elected, Sigma Xi Science Honor Society
Graduate:	Fellow: NIH Medical Scientist Training Program, 1979-1986 Recipient: Michael A. Shanoff Research Award, 1984
Postgraduate:	Awardee: Bristol-Myers Cancer Research Fellowship, 1988-1991 Diplomate: American Board of Internal Medicine
Faculty:	Cancer Research Institute Investigator Award, 1992 Culpeper Foundation Scholar, 1993 Leukemia Society Scholar, 1996-2001 Arthritis Foundation Investigator, 1997-2003 W.W. Smith Foundation Scholar, 1997 Associate Editor, Journal of Immunology (1995-1998) Elected to Membership, American Society for Clinical Investigation (1998) Graduate Student Teaching Award (1998) NIH Immunobiology (IMB). Study Section (2000-2002 member, 2002-2004 Chair) Stohlman Scholar, Leukemia & Lymphoma Society (2001) NIH MERIT Award (2005-2015) Elected as Fellow, AAAS (2013) Elected as Member, American Association of Physicians (2013)

AD HOC REVIEWER

Cell	Immunity
Science	Molecular Cell
Nature	Journal of Immunology
J. Exp. Medicine	Molecular & Cell Biology
Nucleic Acids Res.	International Immunology
Embo Journal	Nature Immunology
Nature Genetics	Oncogene
Blood	PLOS

INSTITUTIONAL RESPONSIBILITIES

Teaching-- (Berkeley)	MCB 150, Molecular Immunology. (2000-2003, 2008 teaching evaluation 6.72 / 7.0).
	MCB 250, Graduate Immunology. (2000, 2004; teaching evaluation 6.58 / 7.0).
	MCB 251, Regulation of Immune System Development and Function. (2000-2013).
	Bio1A Introductory Biology (2006- 2008 ; teaching evaluation 5.9/7.0)
Administrative-- (Brown; current)	University Resources Committee (Chair)
	Academic Priorities Committee (Chair)
	Space Committee (Chair)
	Policies and Priorities Committee (Chair)
	President's Cabinet
	President's Executive Committee
	Brown University Community Council
	Head, President's Strategic Planning Process (2012-13)
Administrative-- (Berkeley)	Graduate Admissions Committee 1999-2001; (co-chair 2000, chair 2001).
	Graduate Affairs Committee (2000-2002).
	MCB Departmental Graduate Diversity Officer (1999-2003).
	Faculty Search Committee (Immunology; 2000-2001)
	Vice-Chair, Molecular & Cell Biology (2002 to 2007)
	Chair, VCR Committee on Postdoctoral Affairs (2008-2011)
	Dean of Biological Sciences (2008-2011)

OUTSIDE ORGANIZATION RESPONSIBILITIES

American Association of Immunologists (AAI) Education Committee (2000-2003)
Midwinter Conference of Immunologists Organizing Committee (2001-2006)
Scientific Advisory Board-- Genetastix, Inc. (2000-2006)
Scientific Advisor—Leukemia & Lymphoma Society (2001-2003)
Chair—Immunobiology Study Section (NIH) (2002-2004)
HHMI Board of Scientific Advisors (2005-2011)
Organizer, Cold Spring Harbor Meeting "Signaling and Transcription in the Immune system (2008, 2010, 2012)
Organizer, Keystone Meeting, B Cells in Health and Disease (2009)
Expert Witness—Biogen Idec (Patent infringement case; 2006-2007)
Expert Witness—U. Penn. v. Genetech (Patent infringement case; 2010-2011)
Visiting Committee—Krieger School of Arts and Sciences, Johns Hopkins (2010)

INVITED LECTURES (2000-present)

UCSF	Keystone Symposium
University of Illinois Med.	FASEB Meeting
University of Pennsylvania	Gordon Conference
Emory	AAI Meeting
University of Chicago	Stanford University
University of Washington	Harvard Medical School
University of Kentucky	Fox Chase Cancer Center
University of Virginia	Ohio State University
Duke University	Cold Spring Harbor Meetings (2004, 2006,2008)
University of Calif. Irvine	Scripps Research Inst.
Aegean Conference	National Jewish Hospital (Denver)
UCLA	NYU Medical School
RCAI Symp (Yokohama)	Tufts Medical School
Yale	Johns Hopkins Medical
USC	Erlangen Symposium (Germany)
Columbia P&S	University of Pittsburg
Washington Univ	University of Pennsylvania
University of Toronto	La Jolla Inst. Of Allergy & Immunology
University of Alabama	University of Vermont
University of Massachusetts	University of Oregon
Brown University	

ACTIVE GRANT SUPPORT

NIH HL48702-20	The Regulation of B Cell Development.
NIH AI 40227-18	The Biochemistry and Regulation of V(D)J Recombination

PUBLICATIONS
*(peer reviewed article numbers in **boldface**)*

1. Cozzarelli, N.R., S.P. Gerrard, M. **Schlissel**, D.D. Brown, and D.F. Bogenhagen. 1983. Purified RNA polymerase III accurately and efficiently terminates transcription of 5S RNA genes. *Cell* 34:829-835.

2. Wormington, W.M., M. **Schlissel**, and D.D. Brown. 1983. Developmental regulation of Xenopus 5S RNA genes. *Cold Spring Harb Symp Quant Biol* 47:879-884.

3. **Schlissel**, M.S., and D.D. Brown. 1984. The transcriptional regulation of Xenopus 5s RNA genes in chromatin: the roles of active stable transcription complexes and histone H1. *Cell* 37:903-913.

4. Brown, D.D., and M.S. **Schlissel**. 1985. The molecular basis of differential gene expression of two 5S RNA genes. *Cold Spring Harb Symp Quant Biol* 50:549-553.

5. Brown, D.D., and M.S. **Schlissel**. 1985. A positive transcription factor controls the differential expression of two 5S RNA genes. *Cell* 42:759-767.

6. **Schlissel**, M.S., and D. Baltimore. 1989. Activation of immunoglobulin kappa gene rearrangement correlates with induction of germline kappa gene transcription. *Cell* 58:1001-1007.

7. Hendrickson, E.A., M.S. **Schlissel**, and D.T. Weaver. 1990. Wild-type V(D)J recombination in scid pre-B cells. *Mol Cell Biol* 10:5397-5407.

8. **Schlissel**, M., A. Voronova, and D. Baltimore. 1991. Helix-loop-helix transcription factor E47 activates germ-line immunoglobulin heavy-chain gene transcription and rearrangement in a pre-T-cell line. *Genes Dev* 5:1367-1376.

9. **Schlissel**, M.S., L.M. Corcoran, and D. Baltimore. 1991. Virus-transformed pre-B cells show ordered activation but not inactivation of immunoglobulin gene rearrangement and transcription. *J Exp Med* 173:711-720.

10. Morrow, T., and M. **Schlissel**. 1992. The purification of B-cell precursors from mouse fetal liver. *Curr Top Microbiol Immunol* 182:55-64.

11. Schatz, D.G., M.A. Oettinger, and M.S. **Schlissel**. 1992. V(D)J recombination: molecular biology and regulation. *Annu Rev Immunol* 10:359-383.

12. **Schlissel**, M., A. Constantinescu, T. Morrow, M. Baxter, and A. Peng. 1993. Double-strand signal sequence breaks in V(D)J recombination are blunt, 5'-phosphorylated, RAG-dependent, and cell cycle regulated. *Genes Dev* 7:2520-2532.

13. Shapiro, A.M., M.S. **Schlissel**, D. Baltimore, and A.L. DeFranco. 1993. Stimulation of kappa light-chain gene rearrangement by the immunoglobulin mu heavy chain in a pre-B-cell line. *Mol Cell Biol* 13:5679-5690.

14. Bain, G., E.C. Maandag, D.J. Izon, D. Amsen, A.M. Kruisbeek, B.C. Weintraub, I. Krop, M.S. **Schlissel**, A.J. Feeney, M. van Roon, and et al. 1994. E2A proteins are required for proper B cell development and initiation of immunoglobulin gene rearrangements [see comments]. *Cell* 79:885-892.

15. **Schlissel**, M.S., and T. Morrow. 1994. Ig heavy chain protein controls B cell development by regulating germ- line transcription and retargeting V(D)J recombination. *J Immunol* 153:1645-1657.

16. Spanopoulou, E., C.A. Roman, L.M. Corcoran, M.S. **Schlissel**, D.P. Silver, D. Nemazee, M.C. Nussenzweig, S.A. Shinton, R.R. Hardy, and D. Baltimore. 1994. Functional immunoglobulin transgenes guide ordered B-cell differentiation in Rag-1-deficient mice. *Genes Dev* 8:1030-1042.

17. **Schlissel**, M., and T. Morrow. 1995. Broken-ended DNA and V(D)J recombination. *Curr Top Microbiol Immunol* 194:381-388.

18. Casciola-Rosen, L., A. Rosen, M. Petri, and M. **Schlissel**. 1996. Surface blebs on apoptotic cells are sites of enhanced procoagulant activity: implications for coagulation events and antigenic spread in systemic lupus erythematosus. *Proc Natl Acad Sci U S A* 93:1624-1629.

19. Fang, W., D.L. Mueller, C.A. Pennell, J.J. Rivard, Y.S. Li, R.R. Hardy, M.S. **Schlissel**, and T.W. Behrens. 1996. Frequent aberrant immunoglobulin gene rearrangements in pro-B cells revealed by a bcl-xL transgene. *Immunity* 4:291-299.

20. Krop, I., A.R. de Fougerolles, R.R. Hardy, M. Allison, M.S. **Schlissel**, and D.T. Fearon. 1996. Self-renewal of B-1 lymphocytes is dependent on CD19. *Eur J Immunol* 26:238-242.

21. Krop, I., A.L. Shaffer, D.T. Fearon, and M.S. **Schlissel**. 1996. The signaling activity of murine CD19 is regulated during cell development. *J Immunol* 157:48-56.

22. Nacht, M., A. Strasser, Y.R. Chan, A.W. Harris, M. **Schlissel**, R.T. Bronson, and T. Jacks. 1996. Mutations in the p53 and SCID genes cooperate in tumorigenesis. *Genes Dev* 10:2055-2066.

23. Stanhope-Baker, P., K.M. Hudson, A.L. Shaffer, A. Constantinescu, and M.S. **Schlissel**. 1996. Cell type-specific chromatin structure determines the targeting of V(D)J recombinase activity in vitro. *Cell* 85:887-897.

24. Bain, G., E.C. Robanus Maandag, H.P. te Riele, A.J. Feeney, A. Sheehy, M. **Schlissel**, S.A. Shinton, R.R. Hardy, and C. Murre. 1997. Both E12 and E47 allow commitment to the B cell lineage. *Immunity* 6:145-154.

25. Constantinescu, A., and M.S. **Schlissel**. 1997. Changes in locus-specific V(D)J recombinase activity induced by immunoglobulin gene products during B cell development. *J Exp Med* 185:609-620.

26. Gu, Y., K.J. Seidl, G.A. Rathbun, C. Zhu, J.P. Manis, N. van der Stoep, L. Davidson, H.L. Cheng, J.M. Sekiguchi, K. Frank, P. Stanhope-Baker, M.S. **Schlissel**, D.B. Roth, and F.W. Alt. 1997. Growth retardation and leaky SCID phenotype of Ku70-deficient mice. *Immunity* 7:653-665.

27. Han, S., S.R. Dillon, B. Zheng, M. Shimoda, M.S. **Schlissel**, and G. Kelsoe. 1997. V(D)J recombinase activity in a subset of germinal center B lymphocytes [see comments]. *Science* 278:301-305.

28. **Schlissel**, M.S., and P. Stanhope-Baker. 1997. Accessibility and the developmental regulation of V(D)J recombination. *Semin Immunol* 9:161-170.

29. Shaffer, A.L., A. Peng, and M.S. **Schlissel**. 1997. In vivo occupancy of the kappa light chain enhancers in primary pro- and pre-B cells: a model for kappa locus activation. *Immunity* 6:131-143.

30. Shaffer, A.L., and M.S. **Schlissel**. 1997. A truncated heavy chain protein relieves the requirement for surrogate light chains in early B cell development. *J Immunol* 159:1265-

1275.

31. Hempel, W.M., P. Stanhope-Baker, N. Mathieu, F. Huang, M.S. **Schlissel**, and P. Ferrier. 1998. Enhancer control of V(D)J recombination at the TCRbeta locus: differential effects on DNA cleavage and joining. *Genes Dev* 12:2305-2317.

32. **Schlissel**, M.S. 1998. Structure of nonhairpin coding-end DNA breaks in cells undergoing V(D)J recombination. *Mol Cell Biol* 18:2029-2037.

33. Golding, A., S. Chandler, E. Ballestar, A.P. Wolffe, and M.S. **Schlissel**. 1999. Nucleosome structure completely inhibits in vitro cleavage by the V(D)J recombinase. *Embo J* 18:3712-3723.

34. Lauring, J., and M.S. **Schlissel**. 1999. Distinct factors regulate the murine RAG-2 promoter in B- and T-cell lines. *Mol Cell Biol* 19:2601-2612.

35. Morrow, T.A., S.A. Muljo, J. Zhang, J.M. Hardwick, and M.S. **Schlissel**. 1999. Pro-B-cell-specific transcription and proapoptotic function of protein kinase ceta. *Mol Cell Biol* 19:5608-5618.

36. Sheehy, A.M., and M.S. **Schlissel**. 1999. Overexpression of RelA causes G1 arrest and apoptosis in a pro-B cell line. *J Biol Chem* 274:8708-8716.

37. Dillon, S.R., M. Mancini, A. Rosen, and M.S. **Schlissel**. 2000. Annexin V binds to viable B cells and colocalizes with a marker of lipid rafts upon B cell receptor activation. *J Immunol* 164:1322-1332.

38. Muljo, S.A., and M.S. **Schlissel**. 2000. Pre-B and pre-T-cell receptors: conservation of strategies in regulating early lymphocyte development. *Immunol Rev* 175:80-93.

39. **Schlissel**, M.S. 2000. Perspectives: transcription. A tail of histone acetylation and DNA recombination. *Science* 287:438-440.

40. **Schlissel**, M.S., S.D. Durum, and K. Muegge. 2000. The interleukin 7 receptor is required for T cell receptor gamma locus accessibility to the V(D)J recombinase. *J Exp Med* 191:1045-1050.

41. Wang, Q.F., J. Lauring, and M.S. **Schlissel**. 2000. c-Myb binds to a sequence in the proximal region of the RAG-2 promoter and is essential for promoter activity in T-lineage cells. *Mol Cell Biol* 20:9203-9211.

42. Whitehurst, C.E., M.S. **Schlissel**, and J. Chen. 2000. Deletion of germline promoter PD beta 1 from the TCR beta locus causes hypermethylation that impairs D beta 1 recombination by multiple mechanisms. *Immunity* 13:703-714.

43. Cost, G.J., A. Golding, M.S. **Schlissel**, and J.D. Boeke. 2001. Target DNA chromatinization modulates nicking by L1 endonuclease. *Nucleic Acids Res* 29:573-577.

44. Dillon, S.R., A. Constantinescu, and M.S. **Schlissel**. 2001. Annexin V binds to positively selected B cells. *J Immunol* 166:58-71.

45. Lee, P.P., D.R. Fitzpatrick, C. Beard, H.K. Jessup, S. Lehar, K.W. Makar, M. Perez-Melgosa, M.T. Sweetser, M.S. **Schlissel**, S. Nguyen, S.R. Cherry, J.H. Tsai, S.M. Tucker, W.M. Weaver, A. Kelso, R. Jaenisch, and C.B. Wilson. 2001. A critical role for dnmt1 and DNA methylation in T cell development, function, and survival. *Immunity* 15:763-774.

46. Lu, L., C.A. Bonham, X. Liang, Z. Chen, W. Li, L. Wang, S.C. Watkins, M.A. Nalesnik, M.S. **Schlissel**, A.J. Demestris, J.J. Fung, and S. Qian. 2001. Liver-derived DEC205+B220+CD19- dendritic cells regulate T cell responses. *J Immunol* 166:7042-

7052.

48. Dillon, S.R., and M.S. **Schlissel**. 2002. Partial restoration of B cell development in Jak-3(-/-) mice achieved by co-expression of IgH and E(mu)-myc transgenes. *Int Immunol* 14:893-904.

49. Goldmit, M., M. **Schlissel**, H. Cedar, and Y. Bergman. 2002. Differential accessibility at the kappa chain locus plays a role in allelic exclusion. *Embo J* 21:5255-5261.

50. Liang, H.E., L.Y. Hsu, D. Cado, L.G. Cowell, G. Kelsoe, and M.S. **Schlissel**. 2002. The "dispensable" portion of RAG2 is necessary for efficient V-to-DJ rearrangement during B and T cell development. *Immunity* 17:639-651.

51. Muljo, S.A., and M.S. **Schlissel**. 2002. The variable, C(H)1, C(H)2 and C(H)3 domains of Ig heavy chain are dispensable for pre-BCR function in transgenic mice. *Int Immunol* 14:577-584.

52. **Schlissel**, M. 2002. Allelic exclusion of immunoglobulin gene rearrangement and expression: why and how? *Semin Immunol* 14:207.

53. **Schlissel**, M.S. 2002. Does artemis end the hunt for the hairpin-opening activity in V(D)J recombination? *Cell* 109:1-4.

54. Hsu, L.Y., J. Lauring, H.E. Liang, S. Greenbaum, D. Cado, Y. Zhuang, and M.S. **Schlissel**. 2003. A conserved transcriptional enhancer regulates RAG gene expression in developing B cells. *Immunity* 19:105-117.

55. Muljo, S.A., and M.S. **Schlissel**. 2003. A small molecule Abl kinase inhibitor induces differentiation of Abelson virus-transformed pre-B cell lines. *Nat Immunol* 4:31-37.

56. Robey, E., and M. **Schlissel**. 2003. Lymphocyte development. *Curr Opin Immunol* 15:155-157.

57. **Schlissel**, M. 2003. How pre-B cells know when they have it right. *Nat Immunol* 4:817-819.

58. **Schlissel**, M.S. 2003. Regulating antigen-receptor gene assembly. *Nat Rev Immunol* 3:890-899.

59. Borghesi, L., L.Y. Hsu, J.P. Miller, M. Anderson, L. Herzenberg, M.S. **Schlissel**, D. Allman, and R.M. Gerstein. 2004. B lineage-specific regulation of V(D)J recombinase activity is established in common lymphoid progenitors. *J Exp Med* 199:491-502.

60. Hsu, L.Y., H.E. Liang, K. Johnson, C. Kang, and M.S. Schlissel. 2004. Pax5 activates immunoglobulin heavy chain V to DJ rearrangement in transgenic thymocytes. *J Exp Med* 199:825-830.

61. Liang, H.E., L.Y. Hsu, D. Cado, and M.S. Schlissel. 2004. Variegated transcriptional activation of the immunoglobulin kappa locus in pre-b cells contributes to the allelic exclusion of light-chain expression. *Cell* 118:19-29.

62. Schlissel, M. 2004. The spreading influence of chromatin modification. *Nat Genet* 36:438-440.

63. **Schlissel**, M.S. 2004. Regulation of activation and recombination of the murine Igkappa locus. *Immunol Rev* 200:215-223.

64. Amin, R.H., and M.S. **Schlissel**. 2005. NF-kappa B comes home. *Immunity* 22:401-402.

65. Curry, J.D., J.K. Geier, and M.S. **Schlissel**. 2005. Single-strand recombination signal sequence nicks in vivo: evidence for a capture model of synapsis. *Nat Immunol* 6:1272-

1279.

66. Curry, J.D., L. Li, and M.S. **Schlissel**. 2005. Quantification of Jkappa signal end breaks in developing B cells by blunt-end linker ligation and qPCR. *J Immunol Methods* 296:19-30.

67. Geier, J.K., and M.S. **Schlissel**. 2005. Pre-BCR signals and the control of Ig gene rearrangements. *Semin Immunol*

68. Tze, L.E., B.R. Schram, K.P. Lam, K.A. Hogquist, K.L. Hippen, J. Liu, S.A. Shinton, K.L. Otipoby, P.R. Rodine, A.L. Vegoe, M. Kraus, R.R. Hardy, M.S. **Schlissel**, K. Rajewsky, and T.W. Behrens. 2005. Basal immunoglobulin signaling actively maintains developmental stage in immature B cells. *PLoS Biol* 3:e82.

69. Geier, J.K., and M.S. **Schlissel**. 2006. Pre-BCR signals and the control of Ig gene rearrangements. *Semin Immunol* 18:31-39.

70. Huang, F., Y. Kitaura, I. Jang, M. Naramura, H.H. Kole, L. Liu, H. Qin, M.S. **Schlissel**, and H. Gu. 2006. Establishment of the major compatibility complex-dependent development of CD4+ and CD8+ T cells by the Cbl family proteins. *Immunity* 25:571-581.

71. Lazorchak, A.S., M.S. **Schlissel**, and Y. Zhuang. 2006. E2A and IRF-4/Pip promote chromatin modification and transcription of the immunoglobulin kappa locus in pre-B cells. *Mol Cell Biol* 26:810-821.

72. Pedraza-Alva, G., M. Koulnis, C. Charland, T. Thornton, J.L. Clements, M.S. **Schlissel**, and M. Rincon. 2006. Activation of p38 MAP kinase by DNA double-strand breaks in V(D)J recombination induces a G2/M cell cycle checkpoint. *Embo J* 25:763-773.

73. **Schlissel**, M.S., C.R. Kaffer, and J.D. Curry. 2006. Leukemia and lymphoma: a cost of doing business for adaptive immunity. *Genes Dev* 20:1539-1544.

74. **Schlissel**, M.S., and T.C. Kuo. 2006. AID for innate immunity to retroviral transformation. *Immunity* 24:671-672.

75. Bates, J.G., D. Cado, H. Nolla, and M.S. **Schlissel**. 2007. Chromosomal position of a VH gene segment determines its activation and inactivation as a substrate for V(D)J recombination. *J Exp Med* 204:3247-3256.

76. Curry, J.D., D. Schulz, C.J. Guidos, J.S. Danska, L. Nutter, A. Nussenzweig, and M.S. **Schlissel**. 2007. Chromosomal reinsertion of broken RSS ends during T cell development. *J Exp Med* 204:2293-2303.

77. Kitaura, Y., I.K. Jang, Y. Wang, Y.C. Han, T. Inazu, E.J. Cadera, M. **Schlissel**, R.R. Hardy, and H. Gu. 2007. Control of the B cell-intrinsic tolerance programs by ubiquitin ligases Cbl and Cbl-b. *Immunity* 26:567-578.

78. **Schlissel**, M.S. 2007. The regulation of receptor editing. *Adv Exp Med Biol* 596:173-179.

79. Amin, R.H., and M.S. **Schlissel**. 2008. Foxo1 directly regulates the transcription of recombination-activating genes during B cell development. *Nat Immunol* 9:613-622.

80. Curry, J.D., and M.S. **Schlissel**. 2008. RAG2's non-core domain contributes to the ordered regulation of V(D)J recombination. *Nucleic Acids Res* 36:5750-5762.

81. Hewitt, S.L., D. Farmer, K. Marszalek, E. Cadera, H.E. Liang, Y. Xu, M.S. **Schlissel**, and J.A. Skok. 2008. Association between the Igk and Igh immunoglobulin loci mediated by the 3' Igk enhancer induces 'decontraction' of the Igh locus in pre-B cells. *Nat Immunol* 9:396-404.

82. Amin, R.H., D. Cado, H. Nolla, D. Huang, S.A. Shinton, Y. Zhou, R.R. Hardy, and M.S. **Schlissel**. 2009. Biallelic, ubiquitous transcription from the distal germline Ig{kappa} locus promoter during B cell development. *Proc Natl Acad Sci U S A* 106:522-527.

83. **Schlissel**, M.S., D. Schulz, and C. Vettermann. 2009. A histone code for regulating V(D)J recombination. *Mol Cell* 34:639-640.

84. Kuo, T.C., and M.S. **Schlissel**. 2009. Mechanisms controlling expression of the RAG locus during lymphocyte development. *Curr Opin Immunol* 21:173-178.

85. Derudder, E., E.J. Cadera, J.C. Vahl, J. Wang, C.J. Fox, S. Zha, G. van Loo, M. Pasparakis, M.S. **Schlissel**, M. Schmidt-Supprian, and K. Rajewsky. 2009. Development of immunoglobulin lambda-chain-positive B cells, but not editing of immunoglobulin kappa-chain, depends on NF-kappaB signals. *Nat Immunol* 10:647-654.

86. Cadera, E.J., F. Wan, R.H. Amin, H. Nolla, M.J. Lenardo, and M.S. **Schlissel**. 2009. NF-{kappa}B activity marks cells engaged in receptor editing. *J Exp Med* 206:1803-1816.

87. Brightbill, H., and M.S. **Schlissel**. 2009. The effects of c-Abl mutation on developing B cell differentiation and survival. *Int Immunol* 21:575-585.

88. Vettermann, C., and **M. S. Schlissel.** 2010. Allelic exclusion of immunoglobulin genes: models and mechanisms. *Immunol Rev* 237**:**22-42.

89. Wilson, M. K., S. M. McWhirter, R. H. Amin, D. Huang, and **M. S. Schlissel.** 2010. Abelson virus transformation prevents TRAIL expression by inhibiting FoxO3a and NF-kappaB. *Mol Cells* 29**:**333-341.

90. Kuo, T. C., J. E. Chavarria-Smith, D. Huang, and M. S. **Schlissel.** 2011. Forced expression of cyclin-dependent kinase 6 confers resistance of pro-B acute lymphocytic leukemia to gleevec treatment. *Molecular and cellular biology* 31**:**2566-2576.

91. **Schlissel, M. S.** 2010. Epigenetics Drives RAGs to Recombination Riches. *Cell* 141**:**400-402.

92. Sukumar, S., and **M. S. Schlissel.** 2011. Receptor editing as a mechanism of B cell tolerance. *Journal of immunology* 186**:**1301-1302.

93. Degner, S.C., J. Verma-Gaur, T.P. Wong, C. Bossen, G.M. Iverson, A. Torkamani, C. Vettermann, Y.C. Lin, Z. Ju, D. Schulz, C.S. Murre, B.K. Birshtein, N.J. Schork, **M.S. Schlissel**, R. Riblet, C. Murre, and A.J. Feeney. 2011. CCCTC-binding factor (CTCF) and cohesin influence the genomic architecture of the Igh locus and antisense transcription in pro-B cells. *Proc. Natl. Acad. Sci USA* 108:9566-9571.

94. Guo, C., Yoon, H.S., Franklin, A., Jain, S., Ebert, A., Cheng, H.L., Hansen, E., Despo, O., Bossen, C., Vettermann, C., Bates, J. G., Richards, N., Myers, D., Patel, H., Gallagher, M., **Schlissel, M. S.**, Murre, C., Busslinger, M., Giallourakis, C. C., Alt, F. W. 2011. CTCF-binding elements mediate control of V(D)J recombination. *Nature* 477: 424-430.

95. Schulz, D., Vassen, L., Chow, K.T., McWhirter, S.M., Amin, R.H., Moroy, T., and **Schlissel, M.S.** 2012. Gfi1b negatively regulates Rag expression directly and via the repression of FoxO1. *J Exp Med* 209: 187-199.

96. Bednarski, J.J., Nickless, A., Bhattacharya, D., Amin, R.H., **Schlissel, M.S.**, and Sleckman, B.P. 2012. RAG-induced DNA double-strand breaks signal through Pim2 to promote pre-B cell survival and limit proliferation. *J Exp Med* 209: 11-17.

97. Garcia, P.B., Cai, A., Bates, J.G., Nolla, H., and **Schlissel, M.S**. (2012). miR290-5p/292-5p activate the immunoglobulin kappa locus in B cell development. PLoS One *7*, e43805.

98. Bates, J.G., Salzman, J., May, D., Garcia, P.B., Hogan, G.J., McIntosh, M., **Schlissel, M.S**., and Brown, P.O. (2012). Extensive gene-specific translational reprogramming in a model of B cell differentiation and Abl-dependent transformation. PLoS One *7*, e37108.

99. Chow, K.T., Timblin, G.A., McWhirter, S.M., and Schlissel, M.S. (2013). MK5 activates Rag transcription via Foxo1 in developing B cells. J Exp Med *210*, 1621-1634.

100. **Schlissel, M**. (2013). Immunology: B-cell development in the gut. Nature *501*, 42-43.

101. Timblin, G.A., and **Schlissel, M.S.** (2013). Ebf1 and c-Myb repress Rag transcription downstream of Stat5 during early B cell development. J Immunol *in the press*.

102. Chow, K.T., Schulz, D., McWhirter, S.M., and **Schlissel, M.S**. (2013). Gfi1 and Gfi1b repress Rag transcription in plasmacytoid dendritic cells in vitro. PLoS One *in the press*.