



Joseph (Joe) Lipsick

Professor of Pathology, of Genetics and, by courtesy, of Biology

Bio

ACADEMIC APPOINTMENTS

- Professor, Pathology
- Professor, Genetics
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Member, Governance Board, Thinking Matters Program, Stanford University, (2016-2019)
- Member, Steering Committee, Faculty Senate, Stanford University, (2017-2018)
- Member, Committee on Graduate Studies, Stanford University, (2016-2017)
- Member, Committee on Committees, Stanford University, (2015-2016)
- Member, Steering Committee, Faculty Senate, Stanford University, (2011-2012)
- Director, Graduate Program in Cancer Biology, Stanford University, (2002-2005)
- Chair, Committee on Committees, Stanford University, (2000-2001)
- Member, Committee on Committees, Stanford University, (1999-2001)
- Associate Chair for Experimental Pathology, Stanford University, (1995-2002)
- Director, Graduate Program in Genetics, Stony Brook University/ Cold Spring Harbor Laboratory/ Brookhaven National Laboratory, (1991-1993)

HONORS AND AWARDS

- Walter J Gores Award for Excellence in Teaching, Stanford University (2015)
- Award for Excellence in Diversity and Inclusion, Stanford University School of Medicine (2015)
- Fellow, American Association for the Advancement of Science (2006-present)
- Award for Outstanding Service to Graduate Students, Stanford University School of Medicine (2005)
- Award for Graduate Teaching, Stanford University School of Medicine (2005)
- Scholar, Leukemia Society of America (1989-1994)
- Fellow, Leukemia Society of America (1984-1985)

PROFESSIONAL EDUCATION

- B.A., Oberlin College , English & Biology (1974)

- M.D., Ph.D., UC San Diego , Physiology & Pharmacology (1982)

LINKS

- Lipsick Laboratory: <http://lipsicklab.stanford.edu>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Cancer is caused by mutations in oncogenes and tumor suppressor genes. Mutations are changes in the DNA sequence that may alter gene function. Gain-of-function mutations can activate oncogenes, whereas loss-of-function mutations can inactivate tumor suppressor genes. Our laboratory studies the Myb oncogene family that is mutated in human cancers of blood cells (leukemia), brain, breast, and salivary gland. The proteins encoded by Myb genes bind to DNA and regulate the expression of other genes that control cell division, differentiation, and cell death. The Myb proteins interact with a highly conserved multi-protein complex called the MuvB core. The same complex also interacts with proteins of the Rb tumor suppressor family and the E2F transcription factor family. Work from our laboratory has shown that Myb acts in opposition to Rb-E2F to epigenetically regulate gene expression. We are currently focusing on *Drosophila melanogaster* (fruit fly) as a model system because of the powerful genetic, genomic, and cell biological tools available in this organism.

Teaching

COURSES

2020-21

- Cancer Biology: CBIO 101 (Win)
- The Cancer Problem: Causes, Treatments, and Prevention: THINK 23 (Spr)

2019-20

- Cancer Biology: CBIO 101 (Win)
- The Cancer Problem: Causes, Treatments, and Prevention: THINK 23 (Spr)

2018-19

- The Cancer Problem: Causes, Treatments, and Prevention: OSPMADRD 50 (Aut)
- The Cancer Problem: Causes, Treatments, and Prevention: THINK 23 (Spr)

2017-18

- Cancer Biology: CBIO 101, PATH 101 (Win)
- The Cancer Problem: Causes, Treatments, and Prevention: THINK 23 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Daniel Berenson, Albert Hinman, Benjamin Topacio

Undergraduate Major Advisor

Juju Hallum

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biology (School of Humanities and Sciences) (Phd Program)
- Cancer Biology (Phd Program)
- Genetics (Phd Program)

Publications

PUBLICATIONS

- **A History of Cancer Research: Tumor Suppressor Genes.** *Cold Spring Harbor perspectives in biology*
Lipsick, J.
2020; 12 (2)
- **A long lost key opens an ancient lock: Drosophila Myb causes a synthetic multivulval phenotype in nematodes.** *Biology open*
Vorster, P. J., Goetsch, P., Wijeratne, T. U., Guiley, K. Z., Andrejka, L., Tripathi, S., Larson, B. J., Rubin, S. M., Strome, S., Lipsick, J. S.
2020
- **A History of Cancer Research: Tyrosine Kinases.** *Cold Spring Harbor perspectives in biology*
Lipsick, J.
2019; 11 (2)
- **Structural mechanism of Myb-MuvB assembly** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Guiley, K. Z., Iness, A. N., Saini, S., Tripathi, S., Lipsick, J. S., Litovchick, L., Rubin, S. M.
2018; 115 (40): 10016–21
- **The role of variant histone H2AV in D. melanogaster larval hematopoiesis** *Development*
Grigorian, M., DeBruhl, H., Lipsick, J. S.
2017; 144 (8): 1441-1449
- **The Drosophila LIN54 homolog Mip120 controls two aspects of oogenesis.** *Biology open*
Cheng, M. H., Andrejka, L., Vorster, P. J., Hinman, A., Lipsick, J. S.
2017
- **Recurrent rearrangements of the Myb/SANT-like DNA-binding domain containing 3 gene (MSANTD3) in salivary gland acinic cell carcinoma.** *PloS one*
Barasch, N., Gong, X., Kwei, K. A., Varma, S., Biscocho, J., Qu, K., Xiao, N., Lipsick, J. S., Pelham, R. J., West, R. B., Pollack, J. R.
2017; 12 (2)
- **The Complex Containing Drosophila Myb and RB/E2F2 Regulates Cytokinesis in a Histone H2Av-Dependent Manner** *MOLECULAR AND CELLULAR BIOLOGY*
Debruhl, H., Wen, H., Lipsick, J. S.
2013; 33 (9): 1809-1818
- **Duplication and maintenance of the Myb genes of vertebrate animals** *BIOLOGY OPEN*
Davidson, C. J., Guthrie, E. E., Lipsick, J. S.
2013; 2 (2): 101-110
- **Epigenetic regulation of olfactory receptor gene expression by the Myb-MuvB/dREAM complex** *GENES & DEVELOPMENT*
Sim, C. K., Perry, S., Tharadra, S. K., Lipsick, J. S., Ray, A.
2012; 26 (22): 2483-2498
- **Drosophila Lin-52 Acts in Opposition to Repressive Components of the Myb-MuvB/dREAM Complex** *MOLECULAR AND CELLULAR BIOLOGY*
Lewis, P. W., Sahoo, D., Geng, C., Bell, M., Lipsick, J. S., Botchan, M. R.
2012; 32 (16): 3218-3227
- **Animal-specific C-terminal domain links myeloblastosis oncoprotein (Myb) to an ancient repressor complex** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Andrejka, L., Wen, H., Ashton, J., Grant, M., Iori, K., Wang, A., Manak, J. R., Lipsick, J. S.
2011; 108 (42): 17438-17443
- **MYB Expression and Translocation in Adenoid Cystic Carcinomas and Other Salivary Gland Tumors With Clinicopathologic Correlation** *AMERICAN JOURNAL OF SURGICAL PATHOLOGY*
West, R. B., Kong, C., Clarke, N., Gilks, T., Lipsick, J. S., Cao, H., Kwok, S., Montgomery, K. D., Varma, S., Le, Q.
2011; 35 (1): 92-99
- **The C-MYB story-is it definitive?** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

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- Lipsick, J. S.
2010; 107 (40): 17067-17068
- **A conserved acidic patch in the Myb domain is required for activation of an endogenous target gene and for chromatin binding** *MOLECULAR CANCER*
Ko, E. R., Ko, D., Chen, C., Lipsick, J. S.
2008; 7
 - **Epigenetic regulation of gene expression by Drosophila Myb and E2F2-RBF via the Myb-MuvB/dREAM complex** *GENES & DEVELOPMENT*
Wen, H., Andrejka, L., Ashton, J., Karess, R., Lipsick, J. S.
2008; 22 (5): 601-614
 - **p53 arrests growth and induces differentiation of v-Myb-transformed monoblasts** *DIFFERENTIATION*
Navratilova, J., Horvath, V., Kozubik, A., Lojek, A., Lipsick, J., Smarda, J.
2007; 75 (7): 592-604
 - **Loss of Drosophila Myb interrupts the progression of chromosome condensation** *NATURE CELL BIOLOGY*
Manak, R., Wen, H., Van, T., Andrejka, L., Lipsick, J. S.
2007; 9 (5): 581-U177
 - **v-Myb represses the transcription of Ets-2** *ONCOGENE*
Wang, D., Sevcikova, S., Wen, H., Roberts, S., Lipsick, J. S.
2007; 26 (8): 1238-1244
 - **Myb proteins inhibit fibroblast transformation by v-Rel** *MOLECULAR CANCER*
Fu, S., Ganter, B., Lipsick, J. S.
2006; 5
 - **Functional evolution of the vertebrate Myb gene family: B-Myb, but neither A-Myb nor C-Myb, complements drosophila Myb in hemocytes** *GENETICS*
Davidson, C. J., Tirouvanziam, R., Herzenberg, L. A., Lipsick, J. S.
2005; 169 (1): 215-229
 - **synMuv verite - Myb comes into focus** *GENES & DEVELOPMENT*
Lipsick, J. S.
2004; 18 (23): 2837-2844
 - **Fluorescence-activated cell sorting (FACS) of Drosophila hemocytes reveals important functional similarities to mammalian leukocytes** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Tirouvanziam, R., Davidson, C. J., Lipsick, J. S., Herzenberg, L. A.
2004; 101 (9): 2912-2917
 - **Role for a Drosophila Myb-containing protein complex in site-specific DNA replication** *NATURE*
Beall, E. L., Manak, J. R., Zhou, S., Bell, M., Lipsick, J. S., Botchan, M. R.
2002; 420 (6917): 833-837
 - **Mutation of the Drosophila homologue of the Myb protooncogene causes genomic instability** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Manak, J. R., Mitiku, N., Lipsick, J. S.
2002; 99 (11): 7438-7443
 - **Mutational analysis of the transcriptional activation domains of v-Myb** *ONCOGENE*
Wang, D. M., Lipsick, J. S.
2002; 21 (10): 1611-1615
 - **Functional evolution of the Myb oncogene family** *2nd International Workshop on Myb Genes (Myb 2000)*
Lipsick, J. S., Manak, J., Mitiku, N., Chen, C. K., Fogarty, P., Guthrie, E.
ACADEMIC PRESS INC ELSEVIER SCIENCE, 2001: 456-58
 - **BS69, an adenovirus E1A-associated protein, inhibits the transcriptional activity of c-Myb** *ONCOGENE*
Ladendorff, N. E., Wu, S., Lipsick, J. S.
2001; 20 (1): 125-132
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- **BS69, an adenovirus E1A-associated protein binds to and inhibits the transcriptional activity of c-Myb** *Oncogene*
Lipsick, J.S, Ladendorff, N.E., Wu, S.
2001; 20
- **Transcriptional activation by the Myb proteins requires a specific local promoter structure** *FEBS LETTERS*
Ganter, B., Chao, S. T., Lipsick, J. S.
1999; 460 (3): 401-410
- **Functional analysis of carboxy-terminal deletion mutants of c-Myb** *JOURNAL OF VIROLOGY*
Wang, D. M., Dubendorff, J. W., Woo, C. H., Lipsick, J. S.
1999; 73 (7): 5875-5886
- **Transcriptional regulation by the carboxyl terminus of c-Myb depends upon both the Myb DNA-binding domain and the DNA recognition site** *ONCOGENE*
Dubendorff, J. W., Lipsick, J. S.
1999; 18 (23): 3452-3460
- **Transformation by v-Myb** *ONCOGENE*
Lipsick, J. S., Wang, D. M.
1999; 18 (19): 3047-3055
- **Myb and oncogenesis** *ADVANCES IN CANCER RESEARCH, VOL 76*
Ganter, B., Lipsick, J. S.
1999; 76: 21-60
- **Overexpression of an alternatively spliced form of c-Myb results in increases in transactivation and transforms avian myelomonoblasts** *JOURNAL OF VIROLOGY*
Woo, C. H., Sopchak, L., Lipsick, J. S.
1998; 72 (8): 6813-6821
- **Myb-related Schizosaccharomyces pombe cdc5p is structurally and functionally conserved in eukaryotes** *MOLECULAR AND CELLULAR BIOLOGY*
Ohi, R., Feoktistova, A., McCann, S., Valentine, V., Look, A. T., Lipsick, J. S., Gould, K. L.
1998; 18 (7): 4097-4108
- **D-type cyclins repress transcriptional activation by the v-Myb but not the c-Myb DNA-binding domain** *EMBO JOURNAL*
Ganter, B., Fu, S. L., Lipsick, J. S.
1998; 17 (1): 255-268
- **Myb binding sites within the N-ras promoter repress transcription** *ONCOGENE*
Ganter, B., Lipsick, J. S.
1997; 15 (2): 193-202
- **Cells transformed by a v-Myb-estrogen receptor fusion differentiate into multinucleated giant cells** *JOURNAL OF VIROLOGY*
Engelke, U., Wang, D. M., Lipsick, J. S.
1997; 71 (5): 3760-3766
- **Constitutive expression of full-length c-Myb transforms avian cells characteristic of both the monocytic and granulocytic lineages** *CELL GROWTH & DIFFERENTIATION*
Fu, S. L., Lipsick, J. S.
1997; 8 (1): 35-45
- **FAETL motif required for leukemic transformation by v-Myb** *JOURNAL OF VIROLOGY*
Fu, S. L., Lipsick, J. S.
1996; 70 (8): 5600-5610
- **One billion years of Myb** *ONCOGENE*
Lipsick, J. S.
1996; 13 (2): 223-235
- **DISSOCIATION OF TRANSCRIPTIONAL ACTIVATION AND ONCOGENIC TRANSFORMATION BY V-MYB** *ONCOGENE*

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- CHEN, R. H., Fields, S., Lipsick, J. S.
1995; 11 (9): 1771-1779
- **BYPASS OF TPA-INDUCED DIFFERENTIATION AND CELL-CYCLE ARREST BY THE C-MYB DNA-BINDING DOMAIN** *ONCOGENE*
Engelke, U., Smarda, J., Lipsick, J. S.
1995; 11 (4): 735-741
 - **RETINOIC ACID RECEPTOR-ALPHA SUPPRESSES TRANSFORMATION BY V-MYB** *MOLECULAR AND CELLULAR BIOLOGY*
Smarda, J., Sugarman, J., Glass, C., Lipsick, J.
1995; 15 (5): 2474-2481
 - **WEAK TRANSCRIPTIONAL ACTIVATION IS SUFFICIENT FOR TRANSFORMATION BY V-MYB** *VIROLOGY*
Engelke, U., Whittaker, L., Lipsick, J. S.
1995; 208 (2): 467-477
 - **MUTATIONS IN THE DNA-BINDING AND TRANSCRIPTIONAL ACTIVATION DOMAINS OF V-MYB COOPERATE IN TRANSFORMATION** *JOURNAL OF VIROLOGY*
DINI, P. W., ELTMAN, J. T., Lipsick, J. S.
1995; 69 (4): 2515-2524
 - **TRANSFORMATION OF MYELOMONOCYtic CELLS BY THE AVIAN-MYELOBLASTOSIS VIRUS IS DETERMINED BY THE V-MYB ONCOGENE, NOT BY THE UNIQUE LONG TERMINAL REPEATS OF THE VIRUS** *JOURNAL OF VIROLOGY*
Engelke, U., Lipsick, J. S.
1994; 68 (4): 2752-2755
 - **C-MYB PREVENTS TPA-INDUCED DIFFERENTIATION AND CELL-DEATH IN V-MYB TRANSFORMED MONOBLASTS** *ONCOGENE*
Smarda, J., Lipsick, J. S.
1994; 9 (1): 237-245
 - **DICISTRONIC SELECTION FOR NUCLEAR PROTEINS IN LIVING ANIMAL-CELLS** *GENE*
Smarda, J., Lipsick, J. S.
1993; 137 (1): 145-149
 - **INDIVIDUAL REPEATS OF DROSOPHILA MYB CAN FUNCTION IN TRANSFORMATION BY V-MYB** *JOURNAL OF VIROLOGY*
Bin, X., Lipsick, J. S.
1993; 67 (12): 7332-7339
 - **ONCOGENIC TRUNCATION OF THE 1ST REPEAT OF C-MYB DECREASES DNA-BINDING IN-VITRO AND IN-VIVO** *MOLECULAR AND CELLULAR BIOLOGY*
DINI, P. W., Lipsick, J. S.
1993; 13 (12): 7334-7348
 - **C-MYB AND V-MYB ARE DIFFERENTIALLY PHOSPHORYLATED BY P42MAPK IN-VITRO** *ONCOGENE*
Aziz, N., Wu, J., Dubendorff, J. W., Lipsick, J. S., Sturgill, T. W., Bender, T. P.
1993; 8 (8): 2259-2265
 - **DIFFERENTIAL TRANSCRIPTIONAL ACTIVATION BY V-MYB AND C-MYB IN ANIMAL-CELLS AND SACCHAROMYCES-CEREVISIAE** *MOLECULAR AND CELLULAR BIOLOGY*
CHEN, R. H., Lipsick, J. S.
1993; 13 (7): 4423-4431
 - **CARBOXY-TERMINAL ELEMENTS OF C-MYB NEGATIVELY REGULATE TRANSCRIPTIONAL ACTIVATION IN CIS AND IN TRANS** *GENES & DEVELOPMENT*
Dubendorff, J. W., Whittaker, L. J., ELTMAN, J. T., Lipsick, J. S.
1992; 6 (12B): 2524-2535
 - **PROTEIN TRUNCATION IS NOT REQUIRED FOR C-MYB PROTOONCOGENE ACTIVITY IN NEURORETINA CELLS** *JOURNAL OF VIROLOGY*
GARRIDO, C., Grasser, F., Lipsick, J. S., Stehelin, D., Saule, S.
1992; 66 (11): 6773-6776

- **A HIGHLY CONSERVED CYSTEINE IN THE V-MYB DNA-BINDING DOMAIN IS ESSENTIAL FOR TRANSFORMATION AND TRANSCRIPTIONAL TRANSACTIVATION** *ONCOGENE*
Grasser, F. A., LaMontagne, K., Whittaker, L., Stohr, S., Lipsick, J. S.
1992; 7 (5): 1005-1009
- **EXPRESSION OF THE CD4 GENE REQUIRES A MYB TRANSCRIPTION FACTOR** *MOLECULAR AND CELLULAR BIOLOGY*
SIU, G., Wurster, A. L., Lipsick, J. S., HEDRICK, S. M.
1992; 12 (4): 1592-1604
- **THE MYB DNA-BINDING DOMAIN IS HIGHLY CONSERVED IN DICTYOSTELIUM-DISCOIDEUM** *ONCOGENE*
STOBERGRASSER, U., BRYDOLF, B., Bin, X., Grasser, F., Firtel, R. A., Lipsick, J. S.
1992; 7 (3): 589-596
- **DEFINITION OF FUNCTIONAL DOMAINS IN P135GAG-MYB-ETS AND P48V-MYB PROTEINS REQUIRED TO MAINTAIN THE RESPONSE OF NEURORETINA CELLS TO BASIC FIBROBLAST GROWTH-FACTOR** *JOURNAL OF VIROLOGY*
GARRIDO, C., Leprince, D., Lipsick, J. S., Stehelin, D., GOSPODAROWICZ, D., Saule, S.
1992; 66 (1): 160-166
- **PROTEIN TRUNCATION IS REQUIRED FOR THE ACTIVATION OF THE C-MYB PROTOONCOGENE** *MOLECULAR AND CELLULAR BIOLOGY*
Grasser, F. A., Graf, T., Lipsick, J. S.
1991; 11 (8): 3987-3996
- **DETERMINANTS OF SEQUENCE-SPECIFIC DNA-BINDING BY P48V-MYB** *ONCOGENE*
Garcia, A., LaMontagne, K., REAVIS, D., STOBERGRASSER, U., Lipsick, J. S.
1991; 6 (2): 265-273
- **TRANSFORMATION BY V-MYB CORRELATES WITH TRANSACTIVATION OF GENE-EXPRESSION** *MOLECULAR AND CELLULAR BIOLOGY*
Lane, T., IBANEZ, C., Garcia, A., Graf, T., Lipsick, J.
1990; 10 (6): 2591-2598
- **TRANS ACTIVATION OF GENE-EXPRESSION BY V-MYB** *MOLECULAR AND CELLULAR BIOLOGY*
Ibanez, C. E., Lipsick, J. S.
1990; 10 (5): 2285-2293
- **DNA-BINDING ACTIVITY ASSOCIATED WITH THE V-MYB ONCOGENE PRODUCT IS NOT SUFFICIENT FOR TRANSFORMATION** *JOURNAL OF VIROLOGY*
Ibanez, C. E., Garcia, A., STOBERGRASSER, U., Lipsick, J. S.
1988; 62 (11): 4398-4402
- **STRUCTURAL AND FUNCTIONAL DOMAINS OF THE MYB ONCOGENE - REQUIREMENTS FOR NUCLEAR TRANSPORT, MYELOID TRANSFORMATION, AND COLONY FORMATION** *JOURNAL OF VIROLOGY*
Ibanez, C. E., Lipsick, J. S.
1988; 62 (6): 1981-1988
- **SPECIFIC AMINO-ACID SUBSTITUTIONS ARE NOT REQUIRED FOR TRANSFORMATION BY V-MYB OF AVIAN-MYELOBLASTOSIS VIRUS** *JOURNAL OF VIROLOGY*
STOBERGRASSER, U., Lipsick, J. S.
1988; 62 (3): 1093-1096
- **V-MYB DOES NOT PREVENT THE EXPRESSION OF C-MYB IN AVIAN ERYTHROBLASTS** *JOURNAL OF VIROLOGY*
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1987; 61 (10): 3284-3287
- **C-MYB PROTEIN EXPRESSION IS A LATE EVENT DURING LYMPHOCYTE-T ACTIVATION** *MOLECULAR AND CELLULAR BIOLOGY*
Lipsick, J. S., Boyle, W. J.
1987; 7 (9): 3358-3360
- **ENV-ENCODED RESIDUES ARE NOT REQUIRED FOR TRANSFORMATION BY P48V-MYB** *JOURNAL OF VIROLOGY*
Lipsick, J. S., Ibanez, C. E.
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- **EXPRESSION OF MOLECULAR CLONES OF V-MYB IN AVIAN AND MAMMALIAN-CELLS INDEPENDENTLY OF TRANSFORMATION** *JOURNAL OF VIROLOGY*
Lipsick, J. S., Ibanez, C. E., Baluda, M. A.
1986; 59 (2): 267-275
- **ANTIBODIES TO THE EVOLUTIONARILY CONSERVED AMINO-TERMINAL REGION OF THE V-MYB-ENCODED PROTEIN DETECT THE C-MYB PROTEIN IN WIDELY DIVERGENT METAZOAN SPECIES** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Boyle, W. J., Lipsick, J. S., Baluda, M. A.
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Lipsick, J. S., Baluda, M. A.
1986; 4: 73-98
- **CRYPTOCOCCAL MYOCARDITIS IN ACQUIRED IMMUNE-DEFICIENCY SYNDROME** *AMERICAN JOURNAL OF CARDIOLOGY*
Lewis, W., Lipsick, J., CAMMAROSANO, C.
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- **BIOLOGICALLY-ACTIVE PROVIRAL CLONE OF MYELOBLASTOSIS-ASSOCIATED VIRUS TYPE-1 - IMPLICATIONS FOR THE GENESIS OF AVIAN-MYELOBLASTOSIS VIRUS** *JOURNAL OF VIROLOGY*
Perbal, B., Lipsick, J. S., Svoboda, J., Silva, R. F., Baluda, M. A.
1985; 56 (1): 240-244
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Boyle, W. J., Lampert, M. A., Lipsick, J. S., Baluda, M. A.
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- **IDENTIFICATION OF THE LEUKEMOGENIC PROTEIN OF AVIAN-MYELOBLASTOSIS VIRUS AND OF ITS NORMAL CELLULAR HOMOLOG** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES*
Boyle, W. J., Lipsick, J. S., Reddy, E. P., Baluda, M. A.
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- **DIFFERENTIATION AND ACTIVATION OF NU/NU SPLENIC T-CELL PRECURSORS BY MATURE PERIPHERAL T-CELLS IN THE ABSENCE OF THYMUS** *JOURNAL OF IMMUNOLOGY*
Lipsick, J. S., SERUNIAN, L., Sato, V. L., KAPLAN, N. O.
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- **INDUCTION OF LYMPHOMA IN ANTIGENICALLY STIMULATED ATHYMIC MICE** *CANCER RESEARCH*
Baird, S. M., Beattie, G. M., LANNOM, R. A., Lipsick, J. S., Jensen, F. C., KAPLAN, N. O.
1982; 42 (1): 198-206
- **INTERLEUKIN-2 IS MITOGENIC FOR NU-NU AND NU+ MURINE SPLEEN-CELLS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES*
Lipsick, J. S., KAPLAN, N. O.
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- **INDUCTION OF LYMPHOCYTE-T AND LYMPHOCYTE-B RESPONSES IN ANTIGENICALLY STIMULATED ATHYMIC MICE** *CANCER RESEARCH*
Beattie, G. M., Baird, S. M., Lipsick, J. S., LANNOM, R. A., KAPLAN, N. O.
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Beattie, G., LANNOM, R., Lipsick, J., KAPLAN, N. O., OSLER, A. G.
1980; 29 (2): 146-150

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Lipsick, J., Beattie, G., OSLER, A. G., KAPLAN, N. O.
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KEARNEY, E. B., Goldenberg, J., Lipsick, J., Perl, M.
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Cecchini, G., Perl, M., Lipsick, J., Singer, T. P., KEARNEY, E. B.
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