Curriculum Vitae

William S. Reznikoff

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Education

1963	B.A. Biology, Williams College, Williamstown, MA
1961-62	Special Student, University of Ghana, Accra, Ghana
1963-67	Predoctoral Fellow, Biology Department, The Johns Hopkins University
Summer 1964	Research Assistant, Biology Division, Oak Ridge National Laboratory
1967	Ph.D., Biology, The Johns Hopkins University, Baltimore, MD
1968-70	Postdoctoral Fellow, Harvard Medical School, Boston, MA

Professional Experience

1970-75	Assistant Professor, Department of Biochemistry, University of Wisconsin- Madison
1975-78	Associate Professor, Department of Biochemistry, University of Wisconsin- Madison
1978-85	Professor, Department of Biochemistry, University of Wisconsin- Madison
1985-2007	Evelyn Mercer Professor of Biochemistry and Molecular Biology: University of Wisconsin-Madison
7/1986-6/1991	Chairman, Department of Biochemistry, University of Wisconsin- Madison
1/2004-8/2004	Visiting Scientist, Bay Paul Center for Comparative Molecular Biology and Evolution, Marine Biological Laboratory, Woods Hole, MA
5/2005-2007	Adjunct Scientist, Bay Paul Center for Comparative Molecular Biology and Evolution, Marine Biological Laboratory, Woods Hole, MA
7/2007-present	Professor Emeritus, Department of Biochemistry, University of Wisconsin-Madison
8/2008-2016	Director, HHMI & AVDF sponsored "Discover the Microbes Within: The Wolbachia Project"
2008-2017	Chair, External Advisory Committee, Ponce Health Sciences University, MBRS-RISE program
2009	American Society for Microbiology Visiting Professor, Department of Biochemistry, University of Ghana, Accra, Ghana
10/2009-2010	Acting Director of Education, Marine Biological Laboratory
3/2010-2015	Director of Education, Marine Biological Laboratory

Honors and Awards

1963	Williams College – Phi Beta Kappa
1963-67	Johns Hopkins University – NIH predoctoral fellow
1968-69	Harvard Medical School – NIH postdoctoral fellow
1970	Medical Research Foundation of Boston postdoctoral fellow

University of Wisconsin:

1972-77	NIH Career Development Award
1974-78	Harry and Evelyn Steenbock Career Development Award
1984-85	Faculty Star Award
1985-2007	Evelyn Mercer Professor of Biochemistry and Molecular Biology
1997	Vilas Associate Award
2002	Spitze Land Grant Faculty Award
2006	Arthur J. Maurer Extra Mile Award

External Awards:

1981	Pasteur Award, Illinois Society for Microbiology
1986	George A. Miller Visiting Professor of Microbiology, Univ. of Illinois
1989	Oliver H. Smith Memorial Lecturer, Marquette University
2001	American Society of Microbiology Division H Lecturer
2001	Elected Fellow, American Academy of Arts and Sciences
2009	Elected Fellow, American Academy of Microbiology

Meeting Organizing:

1976	Cold Spring Harbor Meeting on "The Operon", co-organizer
1986	Steenbock Symposium – RNA Polymerase and the Regulation of Transcription, Univ. of Wisconsin, co-organizer
1996, 97 & 98	*E. coli* Genome Meetings – Univ. of Wisconsin, co-organizer
1998	Molecular Genetics of Bacteria and Phages – Cold Spring Harbor, co-organizer
1999	*E. coli* Genome Meeting – Lake Arrowhead, co-organizer
2004	Steenbock Symposium: Gene Expression, Transposition, Genomics and Other Life Sciences, co-organizer
2007, 09, 11, 13 & 17	Mobile Genetic Elements conferences, Marine Biological Laboartory, co-organizer

Major University Duties:

1981-1997	Director Cellular & Molecular Biology (Molecular Biosciences) Training Grant,
1986-1991	Chair, Department of Biochemistry,
1993-1996	University Committee
1995-96	University Committee, co-chair

Other University Duties:

Biological Safety Committee, Undergraduate Molecular Biology Program Coordinating Committee, Molecular Biology Graduate Program Admissions Committee and Coordinating Committee, Biotechnology Center Faculty Advising Committee and Executive Committee, College of Agriculture and Life Sciences Budget Reallocation Committee, Medical School Clinical Research Committee, Graduate School Principal Investigator's Committee, Search

Committees for a Vice Chancellor, Dean of the College of Agricultural and Life Sciences, and Dean of the Medical School, Faculty Advisor for the UW Chapter of the American Indian Science and Engineering Society, Affiliated Faculty Member – American Indian Studies Program, Joint Budget Committee, Plan 2008 Implementation Committee.

Service on National Committees and Institutional Boards

1976-79	Advisory Subcommittee (study section) for Genetic Biology – NSF
1983-84	Cellular Basis of Disease Review Committee (study section for training grant reviews) -NIGMS, 1980-83, chair. 1984
1980-85	Consultant, Biogen S.A., Geneva, Switzerland
1981-96	Member, Board of Directors, Promega Corp.
1987	Governor's Council on Biotechnology
1996-2005	Member, Scientific Advisory Board, Promega Corp.

Service on MBL Committees

2008	MBL, Josephine Bay Paul Center Scientist Recruitment Search Committee Chair
2009 – 2010	Marine Biological Laboratory Institutional Committee
2010 – 2015	Marine Biological Laboratory Institutional Animal Care and Use Committee
2016	Advisory Committee on Emeritus Scientists

Editorial Boards

1971-85	Journal of Bacteriology
1989-91	Journal of Biological Chemistry
1993-95	Journal of Biological Chemistry
1997-2009	Biochemical and Biophysical Research Communications
2002-2009	Critical Reviews in Biochemistry and Molecular Biology

Teaching

University of Wisconsin Teaching:

Biochemistry 653 (Biochemistry lab techniques course for graduate students)
Biochemistry/Bacteriology 550 (undergraduate intersession lab course)
Biochemistry 651 (undergraduate lab techniques course)
Biochemistry 727 (graduate level molecular biology)
Biochemistry 602 (graduate level macromolecular biochemistry)
Biochemistry 612 (prokaryotic molecular biology)
Biochemistry 511 (undergraduate seminar)
Biochemistry 907 (graduate seminar)
Biochemistry 501 (undergraduate survey course)(1992 – 2007)

External Teaching:

1976	Bacterial Genetics Course, Cold Spring Harbor
1981 & 82	Microbial Ecology Course, Marine Biological Laboratory
1983-2005	American Chemical Society Short Course in Molecular Biology and Recombinant DNA Technology

Funding

All grants below were awarded to help support the MBL's education efforts. Typically they were written by the PI with important collaboration by the Directors of the relevant courses. During 2015, in preparation for Dr. Reznikoff's retirement as Education Department Director, the PI status for competitive renewals and ongoing grants were transferred to the new Director of Education or to the office of the MBL Director.

2R25MH062204-11 (Reznikoff – PI) 08/01/2010 – 07/31/2015
NIH $154,838 ($858,446 total award)
Training in Methods in Computational Neuroscience
This grant supports an annual 4 week MBL immersion course in Methods in Computational Neuroscience specifically designed for advanced graduate students and postdoctoral fellows.

5R25NS037791-13 (Reznikoff-PI) 08/01/2011 – 07/31/2016
NIH $63,455 ($330,221 total award)
Neural Development and Genetics of Zebrafish
This grant supports an annual 2 week MBL immersion research course in Zebrafish Development and Genetics specifically designed for advanced graduate students and postdoctoral fellows.

5R25DC010019-04 (Reznikoff – PI) 06/01/2009 – 05/31/2015
NIH $318,192 ($1,000,914 total award)
Biology of the Inner Ear
This grant supports an MBL immersion research course in the Biology of the Inner Ear specifically designed for advanced graduate students and postdoctoral fellows.

1T15HD072998-01 (Reznikoff – PI) 8/21/2012 – 07/31/2017
NIH $73,297 ($366,485 total award)
Gene Regulatory Networks
This grant supports an annual 10 day MBL immersion research course in Gene Regulatory Networks specifically designed for advanced graduate students and postdoctoral fellows.

(Reznikoff – PI) 09/01/2015 – 08/31/2017
Genentech Foundation $50,000 ($150,000 total award)
Graduate Education Program in the Neurosciences
This grant supports an annual support for MBL immersion research courses in the neurosciences specifically designed for advanced graduate students and postdoctoral fellows.

56007132 (Reznikoff – PI) 08/01/2011 – 11/30/2015
Howard Hughes Medical Institute $750,000 ($3,200,000 total award)
Advanced Courses
This grant provides partial support for up to 10 MBL research immersion course that provide advanced training to graduate students and postdoctoral fellows.

(Reznikoff – PI) 12/01/13 – 11/30/2016
Burroughs Welcome Fund $90,000 ($270,000 total award)
Embryology: Concepts & Techniques in Modern Developmental Biology
Provides partial support for the annual immersion research course in Embryology specifically designed for advanced graduate students and postdoctoral fellows.

R25GM106988-01 (Reznikoff – PI) 09/15/13 – 05/31/18
NIH $113,996 ($569,968 total award)
Strategies and Techniques for Analyzing Microbial Population Structures
This is the current grant proposal. It is designed teach graduate students, postdoctoral fellows and established investigators not only the state of the art approaches for studying microbial population structures but also to lead to the next generation of techniques.

5R25MH059472-16 (Reznikoff – PI) 07/01/2014 – 06/30/2019
NIH $212,800 ($1,064,000 total award)
Neural Systems and Behavior
This grant supports an annual 8 week MBL immersion research course in Neural Systems and Behavior specifically designed for advanced graduate students and postdoctoral fellows.

5R25NS063307 (Reznikoff – PI) 07/01/2014 – 06/30/2019
NIH $219,839 ($1,230,380 total award)
Neurobiology Summer Course
This grant supports an annual 8 week MBL immersion research course in Neurobiology specifically designed for advanced graduate students and postdoctoral fellows.

(Reznikoff – PI) 06/01/2014 – 05/31/2017
Burroughs Welcome Fund $100,000 ($300,000 total award)
Physiology: Molecular Cell Biology Using Microscopic, Biochemical and Computational Approaches
This grant supports an annual 7 week MBL immersion research course in Cellular Physiology specifically designed for advanced graduate students and postdoctoral fellows.

1R25HD079345-01(Reznikoff – PI) 09/01/14 – 08/31/19
NIH $132,440 ($662,200 total award)
Frontiers in Stem Cells and Regeneration Training Course
This grant supports an annual 10 day MBL immersion course in Stem Cells and Regeneration specifically designed for advanced graduate students and postdoctoral fellows.

(Reznikoff – PI) 01/0/14 – 12/31/16
Grass Foundation $150,000 ($450,000 total award)
Neurobiogy Summer Course and Neural Systems and Behavior Course
This grant provides partial support for the two 8-week MBL immersion research courses in Neurobiology and Neural Systems & Behavior.

(Reznikoff – PI) 06/01/14 – 05/31/15
The Arthur Vining Davis Foundations $280,205
Discover the Microbes Within! The Wolbachia Project Phase II: Introducing pre-service Teachers to Discovery Science.

U.S. Patents (39 international patents dealing with the same subjects also exist)

W.S. Reznikoff and I.Y. Goryshin. System for in vitro transposition. U.S. Patent No. 5,965,443.

W.S. Reznikoff, D. York, I.Y. Goryshin, and M. Hoersch. System for in vitro transposition . Patent No. 5,948,622. (CIP)

W.S. Reznikoff, I.Y. Goryshin and M. Hoersch. System for in vitro transposition. U.S. Patent No. 5,925,545. (CIP)

W.S. Reznikoff, I.Y. Goryshin, and M. Hoersch, System for in vitro transposition. U.S. Patent No. 6,437,109

W.S. Reznikoff and I.Y. Goryshin. Method for making insertional mutations. U.S. Patent No. 6,159,736

W.S. Reznikoff, I.Y. Goryshin and T.A. Naumann. Double transposition methods for manipulating nucleic acids. U.S. Patent No. 7,067,644

I.Y. Goryshin and W. S. Reznikoff. Method for making insertional mutations using a Tn5 synaptic complex. U.S. Patent No. 6,294,385. (CIP)

I.Y. Goryshin, T.A. Naumann and W.S. Reznikoff. Double transposition methods for manipulating nucleic acids. U.S. Patent No. 7,338,801.

W.S. Reznikoff, M.M. Steiniger-White and J. Metzler. Tn5 transposase mutants and the use thereof. U.S. Patent No. 7,083,980.

W.S. Reznikoff and R.J. Gradman. Mutated Tn5 transposase proteins and the use thereof. U.S. Patent No. 7,608,434.

Training Record

I have trained 43 graduate students (39 Ph.D. and 5 masters), 13 postdoctoral fellows, 6 visiting scholars, multiple undergraduate researchers and high school interns.

Publications

1. Reznikoff, W. S. and Thomas, C. A., Jr. (1969). The anatomy of the SP50 bacteriophage DNA molecule. Virology 37, 309.

2. Silverstone, A. E., Magansanik, B., Reznikoff, W. S., Miller, J. H., and Beckwith, J. R. (1969). Catabolite sensitive site of the lac operon. Nature 221, 1012.

3. Reznikoff, W. S., Miller, J. H., Scaife, J. G., and Beckwith, J. R. (1969). A mechanism for repressor action. J. Mol. Biol. 43, 201.

4. Reznikoff, W. S. and Beckwith, J. R. (1969). Genetic evidence that the operator locus is distinct from the Z gene in the lac operon of Escherichia coli. J. Mol. Biol. 43, 215.

5. Miller, J. H., Reznikoff, W. S., Silverstone, A. E., Ippen, D., Signer, E. R., and Beckwith, J. R. (1970). Transposition of the lac region of E. coli. V. Fusions of the lac and trp regions of the E. coli chromosome. J. Bacteriol. 104, 1273.

6. Michels, C. A. and Reznikoff, W. S. (1971). The gradient of polarity of Z gene nonsense mutations in trp-lac fusion strains. J. Mol. Biol. 55, 119.

7. Eron, L., Morse, D., Reznikoff, W., and Beckwith, J. (1971). Fusions of the lac and trp regions of Escherichia coli: Covalently fused messenger RNA. J. Mol. Biol. 60, 203.

8. Reznikoff, W. S. and Thornton, K. P. (1972). Isolation of tryptophan regulatory mutants in Escherichia coli using trp-lac fusion strain. J. Bacteriol. 109, 526.

9. Reznikoff, W. S. (1972). The operon revisited. Annu. Rev. Genet 6, 132.

10. Barnes, W. M., Siegel, R. B., and Reznikoff, W. S. (1974). The construction of l transducing phages containing deletions defining regulatory elements of the lac and trp operons in E. coli. Mol. Gen. Genet. 129, 201-215.

11. Reznikoff, W. S., Michels, C. A., Cooper, T. G., Silverstone, A. E., and Magasanik, B. (1974). Inhibition of lacZ gene translation initiation in trp-lac fusion strains. J. Bacteriol. 117, 1231.

12. Reznikoff, W. S., Winter, R. B., and Hurley, C. K. (1974). The location of the repressor binding sites in the lac operon. Proc. Natl. Acad. Sci. USA 71, 2314.

13. Dickson, R. C., Abelson, J., Barnes, W. M., and Reznikoff, W. S. (1975). Genetic regulation: The lac control region. Science 187, 27.

14. Mitchell, D., Reznikoff, W., and Beckwith, J. (1975). Genetic fusions defining trp and lac operon regulatory elements. J. Mol. Biol. 93, 331.

15. Vinopal, R. T., Hillman, J. D., Schulman, H., Reznikoff, W. S., and Fraenkel, D. G. (1975). New phosphoglucose isomerase mutants of Escherichia coli. J. Bacteriol. 122, 1172.

16. Barnes, W. M., Reznikoff, W. S., Blattner, F. R., Dickson, R. C., and Abelson, J. (1975). The isolation of RNA homologous to the genetic control elements of the lactose operon. J. Biol. Chem. 250, 8184.

17. Aline, R. F., Jr. and Reznikoff, W. S. (1975). Bacteriophage Mul induced permeability mutants in Escherichia coli K-12. J. Bacteriol. 124, 578.

18. Mitchell, D. H., Reznikoff, W. S., and Beckwith, J. (1976). Genetic fusions that help define a transcription termination region in Escherichia coli. J. Mol. Biol. 101, 441.

19. Reznikoff, W. S. (1976). Formation of the RNA polymerase-lac promoter open complex. In "RNA Polymerase," Cold Spring Harbor Laboratory, pp. 441-454.

20. Jones, B. B. and Reznikoff, W. S. (1976). Isolation of specialized transducing bacteriophages carrying deletions of the regulatory region of the Escherichia coli K-12 tryptophan operon. J. Bacteriol. 128, 283.

21. Dickson, R. C., Abelson, J., Johnson, P., Reznikoff, W. S., and Barnes, W. M. (1977). Nucleotide sequence changes produced by mutations in the lac promoter of Escherichia coli. J. Mol. Biol. 111, 65.

22. Jones, B. B., Hardy, C., Rothstein, S., Wells, R. D., and Reznikoff, W. S. (1977). RNA polymerase binding sites in λplac5 DNA. Proc. Natl. Acad. Sci. USA 74, 4914.

23. Jones, B. B. and Reznikoff, W. S. (1977). Tryptophan-transducing bacteriophages: In vitro studies with restriction endonucleases HindII + III and Escherichia coli ribonucleic acid polymerase. J. Bacteriol. 132, 270.

24. Jorgensen, R., Berg, D., and Reznikoff, W. S. (1978). Genetic organization in the transposable tetracycline resistance determinant Tnl0. In, "Microbiology 1978," (D. Schlessinger, ed.), Am. Soc. for Microbiol., Washington, D.C.

25. Reznikoff, W. S. and Abelson, J. N. (1978). The lac promoter. In, "The Operon," (Miller & Reznikoff, eds.), Cold Spring Harbor Laboratory, pp. 221-243.

26. Postle, K. and Reznikoff, W. S. (1978). HindII and HindIII restriction maps of the attf80-tonB-trp region of the Escherichia coli genome, and location of the tonB gene. J. Bacteriol. 136, 1165

27. Maquat, L. E. and Reznikoff, W. S. (1978). In vitro analysis of the Escherichia coli RNA polymerase interaction with wild-type and mutant lactose promoters. J. Mol. Biol. 125, 467.

28. Jorgensen, R. A., Berg, D. E., Allet, B., and Reznikoff, W. S. (1979). Restriction enzyme cleavage map of Tnl0, a transposon which encodes tetracycline resistance. J. Bacteriol. 137, 681.

29. Gardner, J. F. and Reznikoff, W. S. (1978). Identification and restriction endonuclease mapping of the threonine operon regulatory region. J. Mol. Biol. 126, 241.

30. Jorgensen, R. A. and Reznikoff, W. S. (1979). Organization of structural and regulatory genes that mediate tetracycline resistance in transposon Tnl0. J. Bacteriol. 138, 705.

31. Postle, K. and Reznikoff, W. S. (1979). Identification of the Escherichia coli tonB gene product in minicells containing tonB hybrid plasmids. J. Mol. Biol. 131, 619.

32. Hardies , S. C., Patient , R. K., Klein, R. D., Ho , F., Reznikoff , W. S., and Wells, R. D. (1979). Construction and mapping of the recombinant plasmids used for the preparation of DNA fragments containing the Escherichia coli lactose operator and promoter. J. Biol. Chem. 254, 5527.

33. Jorgensen, R. A., Rothstein, S. J., and Reznikoff, W. S. (1979). A restriction enzyme cleavage map of Tn5 and location of a region encoding neomycin resistance. Mol. Gen. Genet. 177, 65.

34. Rothstein, S. J., Jorgensen, R. A., Postle, K., and Reznikoff, W. S. (1980). The inverted repeats of Tn5 are functionally different. Cell 19, 795.

35. Wartell, R. M. and Reznikoff, W. S. (1980). Cloning DNA restriction endonuclease fragments with protruding single stranded ends. Gene 9, 307.

36. Maquat, L. E., Thorton, K., and Reznikoff, W. S. (1980). Lac promoter mutations located downstream from the transcription start site. J. Mol. Biol. 139, 537.

37. Maquat, L. E. and Reznikoff, W. S. (1980). The lac promoter mutation pr 115 generates a new transcription initiation point. J. Mol. Biol. 139, 5 51.

38. Rothstein, S. J., Jorgensen, R. A., Yin, J. C.-P., Yong-di, Z., Johnson, R. C., and Reznikoff, W. S. (1980). Genetic organization of Tn5. Cold Spring Harbor Symp. Quant. Biol. 45, 99-105.

39. Rothstein, S. J. and Reznikoff, W. S. (1981). The functional differences in the inverted repeats of Tn5 are caused by a single base pair nonhomology. Cell 23, 191-199.

40. Munson, L. M. and Reznikoff, W. S. (1981). Abortive initiation and long RNA synthesis. Biochemistry 20, 2081-2085.

41. Johnson, R. C. and Reznikoff, W. S. (1981). Localization of the Tn5 transposase promoter using the recycling reaction of RNA polymerase. Nucleic Acids Res. 9, 1873-1882.

42. Wray, L. V., Jorgensen, R. A., and Reznikoff, W. S. (1981). Identification of the tetracycline resistance promoter and repressor in transposon Tnl0. J. Bacteriol. 147, 297-304.

43. Reznikoff, W. S., Rothstein, S. J., Jorgensen, R. A., Johnson, R. C. and Yin, J. C.-P. (1981). The structure of Tn5. In Molecular Biology, Pathogenicity, and Ecology of Bacterial Plasmids, (Levy, Clowes and Koenig, eds.), Plenum Press, New York, pp. 371-380.

44. Reznikoff, W. S., Maquat, L. E., Munson, L. M., Johnson, R. C. and Mandecki, W. (1982). The lac promoter: Analysis of structural signals for transcription initiation and identification of a new sequence specific event. In Promoters: Structure and Function, (Rodriguez and Chamberlin, eds.), Praeger, New York, pp. 80-95.

45. Mandecki, W. and Reznikoff, W. S. (1982). A lac promoter with a changed distance between -10 and -35 regions. Nucleic Acids Res. 10, 903-912.

46. Hillen, W., Klock, G., Kaffenberger, I., Wray, L. V., and Reznikoff, W. S. (1982). Purification of the TET repressor and TET operator from the transposon Tnl0 and characterization of their interaction. J. Biol. Chem. 257, 6605-6613.

47. Lynn, S. L., Gardner, J. F., and Reznikoff, W. S. (1982). Attenuation regulation in the threonine operon of Escherichia coli K-12: Molecular cloning and transcription of the controlling region. J. Bacteriol. 152, 363-371.

48. Johnson, R. C., Yin, J. C.-P., and Reznikoff, W. S. (1982). The control of Tn5 transposition in Escherichia coli is mediated by protein from the right repeat. Cell 30, 873-882.

49. Reznikoff, W. S. (1982). Tn5 transposition and its regulation. Cell 31, 307-308.

50. Bertrand, K. P., Postle, K., Wray, L. V., Jr., and Reznikoff, W. S. (1983). Overlapping divergent promoters control expression of Tnl0 tetracycline resistance. Gene 23, 149-156.

51. Johnson, R. C. and Reznikoff, W. S. (1983). DNA sequences at the ends of transposon Tn5 required for transposition. Nature 304, 280-282.

52. Wray, L. V., Jr. and Reznikoff, W. S. (1983). Identification of the repressor binding sites controlling the expression of tetracycline resistance encoded by Tnl0. J. Bacteriol. 156, 1188-1191.

53. Reznikoff, W. S. (1983). Some bacterial transposable elements: Their organizations, mechanisms of transposition, and roles in genome evolution. In "Gene Function in Prokaryotes" (J. Beckwith, J. Davies and J. Gallant, eds.), Cold Spring Harbor Laboratory, pp. 229-252.

54. Reznikoff, W. S. (1984). Gene expression in microbes: The lactose operon model system. In "The Microbe 1984, part II" (D. P. Kelly and N. G. Carr, eds.), Cambridge University Press, pp. 195-218.

55. Yu, X.-M., Munson, L., and Reznikoff, W. S. (1984). Molecular cloning and sequence analysis of trp-lac fusion deletions. J. Mol. Biol. 172, 355-362.

56. Johnson, R. C. and Reznikoff, W. S. (1984). Copy number control of Tn5 transposition. Genetics 107, 9-18.

57. Bertrand, K. P., Postle, K., Wray, L. V., Jr., and Reznikoff, W. S. (1984). Construction of a single-copy promoter vector and its use in analysis of regulation of the transposon Tnl0 tetracycline resistance determinant. J. Bacteriol. 158, 910-919.

58. Yu, X.-M. and Reznikoff, W. S. (1984). Deletion analysis of the CAP-cAMP binding site of the Escherichia coli lactose promoter. Nucleic Acids Res. 12, 5449-5464.

59. Johnson, R. C. and Reznikoff, W. S. (1984). The role of the IS50R proteins in the promotion and control of Tn5 transposition. J. Mol. Biol. 177, 645-661.

60. Munson, L. M., Stormo, G. D., Niece, R. L., and Reznikoff, W. S. (1984). lacZ translation initiation mutations. J. Mol. Biol. 177, 663-683.

61. de la Torre, G. C., Ortin, J., Domingo, E., Delamarter, J., Allet, B., Davies, J., Bertrand, K. P., Wray, L. V., Jr., and Reznikoff, W. S. (1984). Plasmid vectors based on Tnl0 DNA: Gene expression regulated by tetracycline. Plasmid 12, 103-110.

62. Ventosa, A., Rodriguez-Valera, F., Poindexter, J. S., and Reznikoff, W. S. (1984). Selection for moderately halophilic bacteria by gradual salinity increases. Can. J. Microbiol. 30, 1279-1282.

63. Munson, L. M., Mandecki, W., Caruthers, M. H., and Reznikoff, W. S. (1984). Oligonucleotide mutagenesis of the lacPUV5 promoter. Nucleic Acids Res. 12, 4011-4017.

64. Lambert, P. and Reznikoff, W. S. (1985). Use of transcriptional repressors to stabilize the plasmid copy number of transcription fusion vectors. J. Bacteriol. 162, 441-444.

65. Yu, X.-M. and Reznikoff, W. S. (1985). Deletion analysis of the Escherichia coli lactose promoter P2. Nucleic Acids Res. 13, 2457-2468.

66. Peterson, M. L. and Reznikoff, W. S. (1985). Properties of lac P2 in vivo and in vitro. An overlapping RNA polymerase binding site within the lactose promoter. J. Mol. Biol. 185, 535-543.

67. Peterson, M. L. and Reznikoff, W. S. (1985). Lactose promoter mutation Pr115 activates an overlapping promoter within the lactose control region. J. Mol. Biol. 185, 525-533.

68. Reznikoff, W. S., Siegele, D. A., Cowing, D. W., and Gross, C. A. (1985). The regulation of transcription initiation in bacteria. Ann. Rev. Genet. 19, 355-387.

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70. Lambert, P. F., Waring, D. A., Wells, R. D., and Reznikoff, W. S. (1986). DNA requirements at the bacteriophage G4 origin of complementary-strand DNA synthesis. J. Virol. 58, 450-458.

71. Yu, X.-M. and Reznikoff, W. S. (1986). Deletion analysis of RNA polymerase interaction sites in the Escherichia coli lactose operon regulatory region. J. Mol. Biol. 188, 545-553.

72. Krebs, M. P. and Reznikoff, W. S. (1986). Transcriptional and translational sites of IS50. Control of transposase and inhibitor expression. J. Mol. Biol. 192, 781-791.

73. Lambert, P. F., Kawashima, E. and Reznikoff, W. S. (1987). Secondary structure at the bacteriophage G4 origin of complementary strand DNA synthesis: in vivo requirement. Gene 53, 257-264.

74. Donnelly, C. E. and Reznikoff, W. S. (1987). Mutations in the lac P2 promoter. J. Bacteriol. 169, 1812-1817.

75. Yin, J. C.-P. and Reznikoff, W. S. (1987). dnaA, an essential host gene, and Tn5 transposition. J. Bacteriol. 169, 4637-4645.

76. Crowell, D. N., Reznikoff, W. S. and Raetz, C. R. H. (1987). The biosynthesis of gram-negative endotoxin: Nucleotide sequence of the Escherichia coli gene for lipid A disaccharide synthase. J. Bacteriol. 169, 5727-5734.

77. Cornwell, T. L., Adhya, S. L., Reznikoff, W. S. and Frey, P. A. (1987). The nucleotide sequence of the gal T gene of Escherichia coli. Nucleic Acids Res. 15, 8116.

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