

Stanford



Stanley N. Cohen, MD

Kwoh-Ting Li Professor in the School of Medicine, Professor of Genetics and of Medicine

CONTACT INFORMATION

- **Administrative Contact**

Roberta Peterson - Administrative Associate

Email rkp@stanford.edu

Tel (650) 723-5316

Bio

BIO

Adapted from the National Library of Medicine website at <https://circulatingnow.nlm.nih.gov/2019/01/24/stanley-n-cohen-papers-open-for-research/>

Stanley Norman Cohen is the Kwoh-Ting Li Professor in the School of Medicine, Professor of Genetics, and Professor of Medicine at Stanford University. Stan Cohen and UCSF Professor Herbert Boyer were the first scientists to clone DNA and to transplant genes from one living organism to another, an achievement often considered the birth of genetic engineering and DNA therapies.

In high school, his early scientific focus on physics shifted to biology and medicine, and after graduating from Rutgers University he entered the University of Pennsylvania School of Medicine, receiving his M.D. in 1960. Beyond Stan's scientific interests, he was a debater, 5-string banjo player, published pop music composer, and avid skier and sailor.

Upon joining the Stanford faculty in 1968, he began experiments aimed at understanding genetic mechanisms that underlie antibiotic resistance in bacteria. To study plasmids spreading genes that confer resistance, it was necessary to generate and isolate bacterial populations that contain the progeny of single plasmid DNA molecules—i.e., to “clone” plasmid DNA. Cohen’s lab developed a method of doing this, using mechanical shearing to break plasmid DNA into fragments that might join together in different ways.

In 1972, Cohen met Boyer, whose lab was studying enzymes that cut plasmid DNA molecules more reproducibly than mechanical shearing. The cutting of DNA by one of these enzymes, called EcoRI, is site-specific and the DNA ends it generates can be glued together. They began a collaboration to construct and clone plasmids containing novel combinations of DNA fragments. Their first paper describing how new plasmids can be generated by joining together fragments derived from separate DNA molecules, “Construction of biologically functional bacterial plasmids in vitro” was published in 1973. In 1974, the Cohen lab reported that plasmid constructs containing DNA fragments from different bacterial species could also be combined and cloned, and that genes carried by such fragments could be expressed functionally in a foreign host. The same year, Stan’s paper with Boyer and others, “Replication and transcription of eukaryotic DNA in Escherichia coli” demonstrated

that genes carried by even DNA from animal species could be isolated by cloning them in bacteria. Important from Stan's perspective is that the use of DNA cloning methods could produce important insights about the workings of genes and cells in health and disease.

The DNA cloning approaches that Cohen and Boyer invented, which have become known as recombinant DNA technology, were patented by Stanford and UCSF in 1980, leading to what has become known as the biotechnology industry. Before its expiration in 1997 their seminal patent had 461 licensees, the most for any of the more than 30 patents that have resulted from work in the Cohen lab.

Subsequent scientific contributions made by Stan's lab over multiple decades have extended to the areas of artificial intelligence in medicine, RNA decay, microvesicles, and host-oriented therapeutics. Most recently, his lab has focused on the biological role of nucleotide repeat sequences. His current research interests are indicated elsewhere on this website.

Stan has served on corporate boards and community service organizations. His lab has mentored almost 200 young scientists from around the world who have continued to contribute to medical science in academia, industry, and community service activities.

Cohen has received the Albert Lasker Basic Medical Research Award, the Wolf Foundation Prize, the Shaw Prize, the National Medal of Science, and the National Medal of Technology, and has been elected to the National Academies of Science and of Medicine and to the National Inventors' Hall of Fame, among many other honors.

ACADEMIC APPOINTMENTS

- Professor, Genetics
- Professor, Medicine - Operations
- Member, Bio-X
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Kwoh-Ting Li Professor, School of Medicine, (1993- present)
- Chair, Department of Genetics, School of Medicine, (1978-1986)
- Professor of Genetics, School of Medicine, (1977- present)
- Professor of Medicine, School of Medicine, (1975- present)
- Associate Professor of Medicine, School of Medicine, (1971-1975)
- Head, Division of Clinical Pharmacology, School of Medicine, (1969-1978)
- Assistant Professor of Medicine, School of Medicine, (1968-1971)

HONORS AND AWARDS

- Biotechnology Heritage Award, Science History Institute (2016)
- DiNA Lifetime Achievement Award, BayBio (2013)
- Fellow of the Inaugural Class, Academy of the American Association for Cancer Research (2013)
- Dean's Medal, Stanford University School of Medicine (2011)
- Double Helix Medal for Scientific Research, Cold Spring Harbor Laboratory (2009)
- John Stearns Award for Lifetime Achievement in Medicine, New York Academy of Medicine (2007)

- Member, American Philosophical Society (2006)
- Einstein Professor, Chinese Academy of Sciences (2006)
- Innovation Award in Bioscience, The Economist (2005)
- The Shaw Prize in Life Science and Medicine, The Shaw Prize Secretariat (2004)
- Albany Medical Center Prize in Medicine and Biomedical Research, Albany Medical Center (2004)
- Member, National Inventors Hall of Fame (2001)
- Lemelson-MIT Prize, Lemelson-MIT Program (1996)
- Sc.D., honoris causa, University of Pennsylvania (1995)
- Sc.D., honoris causa, Rutgers University (1994)
- Hall of Distinguished Alumni, Rutgers University (1994)
- Fellow, American Association for the Advancement of Science (1993)
- Helmut Horten Research Award, Helmut Horten Foundation (1993)
- Fellow, American Academy of Microbiology (1992)
- American Chemical Society Special Award, American Chemical Society (1992)
- National Medal of Technology, Presidential Award (1989)
- National Biotechnology Award, National Science Foundation (1989)
- City of Medicine Award, City of Medicine Award Foundation (1988)
- National Medal of Science, Presidential Award (1988)
- Member, Institute of Medicine (now National Academy of Medicine), National Academy of Sciences (1988)
- LVMH Institut de la Vie Prize, LVMH Institut de la Vie (1988)
- ASM/Cetus/Chiron Award, American Society for Microbiology, Cetus, and Chiron (1988)
- Distinguished Graduate Award, University of Pennsylvania School of Medicine (1986)
- Distinguished Service Award, Miami Winter Symposium (1986)
- California Inventors Hall of Fame, California Inventors Hall of Fame Foundation (1982)
- Wolf Prize in Medicine, Wolf Foundation (1981)
- Marvin J. Johnson Award, American Chemical Society (1981)
- Lasker Basic Medical Research Award, Albert and Mary Lasker Foundation (1980)
- Inventor of the Year Award, State of California (1980)
- Member, National Academy of Sciences (1979)
- Lecturer, Harvey Society (1979)
- Fellow, American Academy of Arts and Sciences (1978)
- V.D. Mattia Award, Roche Institute of Molecular Biology (1977)
- Fellowship Award, Guggenheim Foundation (1975)
- Faculty Scholar Award, Josiah Macy, Jr. Foundation (1975)
- Scholar Award in Clinical Pharmacology, Burroughs-Wellcome (1970)
- Research Career Development Award, U.S. Public Health Service (1969)
- Baldouin Lucke Research Award, University of Pennsylvania School of Medicine (1960)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- External Advisory Committee, University of Pennsylvania Orphan Disease Center (2017 - present)

- Standing Committee on Department of Defense Programs to Counter Biological Threats, National Academy of Sciences (2012 - 2015)
- Albert Lasker Medical Research Awards Jury, Albert and Mary Lasker Foundation (2006 - 2015)
- Editorial Board, Current Opinion in Microbiology (2000 - 2015)
- Biomedical Sciences International Advisory Council, Singapore Economic Development Board (2000 - 2004)
- Committee on Biotechnology, Hong Kong Council of Advisors on Innovation and Technology (2000 - 2001)
- Board of Trustees, University of Pennsylvania (1997 - 2002)
- Editorial Board, Proceedings of the National Academy of Sciences (1996 - 2015)
- Advisory Board, Program in the History of the Biological Sciences and Biotechnology, The Bancroft Library, University of California-Berkeley (1996 - present)
- Experimental Therapeutics Advisory Committee, Burroughs Wellcome Fund (1992 - 1997)
- Board of Trustees and Board of Overseers, University of Pennsylvania Medical Center (1989 - 1997)
- Scientific Advisory Board, Palo Alto Medical Research Foundation (1987 - 1990)
- Committee on Biotechnology Nomenclature, National Research Council (1986 - 1986)
- Scientific Advisory Board, Life Technologies, Inc. (1984 - 2000)
- Albert Lasker Medical Research Awards Jury, Albert and Mary Lasker Foundation (1981 - 1988)
- Committee on Genetic Experimentation (COGENE), International Council of Scientific Unions (1977 - 1995)
- Scientific Review Committee on Microbiology and Virology, American Cancer Society (1979 - 1982)
- Committee on Recombinant DNA Molecules, National Academy of Sciences and National Research Council (1974 - 1974)
- International Committee on Plasmid Nomenclature, American Society for Microbiology (1970 - 1973)
- Chemical/Biological Information Handling Review Committee, Division of Research Resources, National Institutes of Health (1970 - 1974)

PROFESSIONAL EDUCATION

- Postdoctoral Fellow, Albert Einstein College of Medicine, Bronx, NY , Molecular Biology (1967)
- Senior Resident, Duke University Hospital, Durham, NC , Medicine (1965)
- Clinical Associate, National Institute for Arthritis and Metabolic Diseases, National Institutes of Health, Bethesda, MD , Molecular Biology (1964)
- Senior Assistant Surgeon, Reserve Corps of the Public Health Service , Molecular Biology (1964)
- Resident, University of Michigan, Ann Arbor, MI , Medicine (1962)
- Intern, Mount Sinai Hospital, New York, NY , Medicine (1961)
- M.D., University of Pennsylvania, Philadelphia, PA , Medicine (1960)
- Summer Student, Laboratory of Peter Medawar, University College London, UK , Transplantation Immunology (1959)
- B.S., Rutgers University, New Brunswick, NJ , Biological Sciences (1956)

PATENTS

- Stanley N. Cohen, Ning Deng, Yanan Feng, Tzu-Hao Cheng, Yun-Yun Wu, Wen-Chieh Hsieh. "United States Patent 10,675,293 Nucleoside agents for the reduction of the deleterious activity of extended nucleotide repeat containing genes", The Board of Trustees of the Leland Stanford Junior University and National Yang-Ming University, Jun 9, 2020
- Quan Lu, Qiyu Wang, Stanley N. Cohen. "United States Patent 10,260,055 Delivery of cargo proteins via ARRDC1-mediated microvesicles (ARMMs)", President and Fellows of Harvard College and The Board of Trustees of the Leland Stanford Junior University, Apr 16, 2019
- Tzu-Hao Cheng, Chia-Rung Liu, Tzu-Han Wang, Stanley N. Cohen. "United States Patent 9,862,947 Selective reduction of the deleterious activity of extended tri-nucleotide repeat containing genes", The Board of Trustees of the Leland Stanford Junior University and National Yang-Ming University, Jan 9, 2018
- Quan Lu, Qiyu Wang, Stanley N. Cohen. "United States Patent 9,816,080 Delivery of CAS9 via ARRDC1-mediated microvesicles (ARMMs)", President and Fellows of Harvard College and The Board of Trustees of the Leland Stanford Junior University, Nov 14, 2017
- Quan Lu, Joseph F. Nabhan, Stanley N. Cohen. "United States Patent 9,737,480 ARRDC1-mediated microvesicles (ARMMs) and uses thereof", President and Fellows of Harvard College and The Board of Trustees of the Leland Stanford Junior University, Aug 22, 2017

- Tzu-Hao Cheng, Chia-Rung Liu, Tzu-Han Wang, Stanley N. Cohen. "United States Patent 9,637,741 Methods for identifying agents useful for modulating the expression and aggregation of CAG-expanded gene product in cells", National Yang-Ming University and The Board of Trustees of the Leland Stanford Junior University, May 2, 2017
- Tzu-Hao Cheng, Chia-Rung Lu, Tzu-Han Wang, Stanley N. Cohen. "United States Patent 9,226,935 Methods for modulating the expression and aggregation of a CAG-expanded gene product in cells and methods for identifying agents useful for doing the same", National Yang-Ming University and The Board of Trustees of the Leland Stanford Junior University, Jan 5, 2016
- Tzu-Hao Cheng, Chia-Rung Liu, Tzu-Han Wang, Stanley N. Cohen. "United States Patent 9,211,303 Selective reduction of the deleterious activity of extended tri-nucleotide repeat containing genes", National Yang-Ming University and The Board of Trustees of the Leland Stanford Junior University, Dec 15, 2015
- Chih Jian Lih, Stanley N. Cohen. "United States Patent 8,691,780 Txr1 and enhanced taxane sensitivity based on the modulation of a pathway mediated thereby", The Board of Trustees of the Leland Stanford Junior University, Apr 8, 2014
- Tzu-Hao Cheng, Chia-Rung Lu, Tzu-Han Wang, Stanley N. Cohen. "United States Patent 8,569,254 Methods for modulating the expression and aggregation of CAG-expanded gene product in cells and methods for identifying agents useful for doing the same", National Yang Ming University, Oct 29, 2013
- Stanley N. Cohen, Limin Li. "United States Patent 8,404,807 Mammalian tumor susceptibility genes and their uses", The Board of Trustees of the Leland Stanford Junior University, Mar 26, 2013
- Stanley N. Cohen, Wensheng Wei. "United States Patent 7,838,252 Methods and compositions for treating a subject having an anthrax toxin mediated condition", The Board of Trustees of the Leland Stanford Junior University, Nov 23, 2010
- Limin Li, Stanley N. Cohen. "United States Patent 7,714,108 Mammalian tumor susceptibility gene products and their uses", The Board of Trustees of the Leland Stanford Junior University, May 11, 2010
- Christine A. Miller, Ronen Mosseri, Stanley N. Cohen. "United States Patent 7,592,154 Modulating SOS response induction by antimicrobial agents", The Board of Trustees of the Leland Stanford Junior University, Sep 22, 2009
- Carol Carter, Arthur Goff, Lorna Ehrlich, Stanley N. Cohen. "United States Patent 7,494,767 Assay for TSG101 as inhibitors of HIV production", Functional Genetics, Inc., Feb 24, 2009
- Stanley N. Cohen, Limin Li. "United States Patent 6,835,816 Mammalian tumor susceptibility genes and their uses", The Board of Trustees of the Leland Stanford Jr. University, Dec 28, 2004
- Stanley N. Cohen, Limin Li. "United States Patent 7,973,130 Mammalian tumor susceptibility genes and their uses", The Board of Trustees of the Leland Stanford Junior University, Oct 29, 2003
- Stanley N. Cohen, Limin Li. "United States Patent 6,248,523 Mammalian tumor susceptibility genes and their uses", The Board of Trustees of the Leland Stanford Jr. University, Jun 19, 2001
- Limin Li, Stanley N. Cohen. "United States Patent 5,891,668 Mammalian tumor susceptibility genes and their uses", The Board of Trustees of the Leland Stanford Junior University, Apr 6, 1999
- Stanley N. Cohen, Limin Li. "United States Patent 5,807,995 Mammalian tumor susceptibility genes and their uses", The Board of Trustees of the Leland Stanford Junior University, Sep 15, 1998
- Limin Li, Stanley N. Cohen. "United States Patent 5,679,523 Method for concurrent disruption of expression of multiple alleles of mammalian genes", The Board of Trustees of the Leland Stanford Junior University, Oct 21, 1997
- Stanley N. Cohen, Martin Vogtli. "United States Patent 5,607,842 Use of tRNA genes to stabilize the inheritance of unstable plasmids in populations of growing cells", The Board of Trustees of the Leland Stanford Junior University, Mar 4, 1997
- Jack H. Nunberg, Annie C. Y. Chang, Stanley N. Cohen, Robert T. Schimke. "United States Patent 5,422,275 Protein production at synthetic start site", The Board of Trustees of the Leland Stanford Jr University, Jun 6, 1995
- Stanley N. Cohen, Herbert W. Boyer. "United States Patent 4,740,470 Biologically functional molecular chimeras", The Board of Trustees of the Leland Stanford, Jr. University, Apr 26, 1988
- Stanley N. Cohen, Annie C. Y. Chang. "United States Patent 4,732,852 Site directed peptidase cleavage", Cetus Corporation, Mar 22, 1988
- Chun-Ming Huang, Stanley N. Cohen. "United States Patent 4,623,627 Monoclonal antibody having specificity for the double-stranded conformation of native DNA and diagnostic methods using same", Cetus Corporation, Nov 18, 1986
- Chun-Ming Huang, Stanley N. Cohen. "United States Patent 4,623,627 Monoclonal antibody having specificity for the double-stranded conformation of native DNA and diagnostic methods using same", Cetus Corporation, Nov 18, 1986
- Hermann G. Bujard, Annie C. Y. Chang, Stanley N. Cohen. "United States Patent 4,495,280 Cloned high signal strength promoters", The Board of Trustees of the Leland Stanford Jr. University, Jan 22, 1985
- Stanley N. Cohen, Herbert W. Boyer. "United States Patent 4,468,464 Biologically functional molecular chimeras", The Board of Trustees of The Leland Stanford Junior University, Aug 28, 1984
- Alan S. Michaels, Channing R. Robertson, Stanley N. Cohen, Douglas S. Inloes, William J. Smith. "United States Patent 4,442,206 Method of using isotropic, porous-wall polymeric membrane, hollow-fibers for culture of microbes", Stanford University, Apr 10, 1984
- Alan S. Michaels, Channing R. Robertson, Stanley N. Cohen. "United States Patent 4,440,853 Microbiological methods using hollow fiber membrane reactor", Board of Trustees of the Leland Stanford Junior University, Apr 3, 1984

- John J. Sninsky, Stanley N. Cohen. "United States Patent 4,374,927 Extrachromosomal regulation of expression", The Board of Trustees of the Leland Stanford Jr. University, Feb 22, 1983
- Stanley N. Cohen, Herbert W. Boyer. "United States Patent 4,237,224 Process for producing biologically functional molecular chimeras", Board of Trustees of the Leland Stanford Jr. University, Dec 2, 1980
- Stanley N. Cohen, Myron Tannenbaum. "United States Patent 3,730,352 Filtration Apparatus", New Brunswick Scientific Co., Inc., May 1, 1973

LINKS

- S.N.Cohen Lab Web Site: <http://sncohenlab.stanford.edu>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Current research interests of the Cohen Lab are focused primarily on elucidation of the biological role(s) of nucleotide repeat expansions in DNA.

Expansion of gene regions containing nucleotide repeats (NRs) has a causal role in a variety of inherited degenerative neurological diseases, including Huntington's Disease, certain spinocerebellar ataxias and muscular dystrophies, and some types of amyotrophic lateral sclerosis and frontotemporal dementia. A major area of investigation in our Lab is study of mechanisms that selectively enable transcription through expanded NR regions in human genes. We also study the actions of abnormal mRNAs and proteins generated by such repeats, and efforts in the Lab are aimed at treating these diseases by targeting expression of the abnormal genes. And we investigate mechanisms that underlie the occurrence of nucleotide repeats in the telomeres of chromosomes.

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Biomedical Informatics (Phd Program)
- Cancer Biology (Phd Program)
- Genetics (Phd Program)

Publications

PUBLICATIONS

- **Chemical interference with DSIF complex formation lowers synthesis of mutant huntingtin gene products and curtails mutant phenotypes.** *Proceedings of the National Academy of Sciences of the United States of America*
Deng, N., Wu, Y. Y., Feng, Y., Hsieh, W. C., Song, J. S., Lin, Y. S., Tseng, Y. H., Liao, W. J., Chu, Y. F., Liu, Y. C., Chang, E. C., Liu, C. R., Sheu, et al
2022; 119 (32): e2204779119
- **DSIF modulates RNA polymerase II occupancy according to template G + C content.** *NAR genomics and bioinformatics*
Deng, N., Zhang, Y., Ma, Z., Lin, R., Cheng, T. H., Tang, H., Snyder, M. P., Cohen, S. N.
2022; 4 (3): lqac054
- **Substrate-dependent effects of quaternary structure on RNase E activity.** *Genes & development*
Moore, C. J., Go, H. n., Shin, E. n., Ha, H. J., Song, S. n., Ha, N. C., Kim, Y. H., Cohen, S. N., Lee, K. n.
2021
- **Bithionol blocks pathogenicity of bacterial toxins, ricin, and Zika virus** *SCIENTIFIC REPORTS*
Leonardi, W., Zilbermanitz, L., Cheng, L. W., Zozaya, J., Tran, S. H., Elliott, J. H., Polukhina, K., Manasherob, R., Li, A., Chi, X., Gharaibeh, D., Kenny, T., Zamani, et al
2016; 6
- **Spt4 selectively regulates the expression of C9orf72 sense and antisense mutant transcripts.** *Science*
Kramer, N. J., Carlonmagno, Y., Zhang, Y., Almeida, S., Cook, C. N., Gendron, T. F., Prudencio, M., van Blitterswijk, M., Belzil, V., Couthouis, J., Paul, J. W., Goodman, L. D., Daugherty, et al
2016; 353 (6300): 708-712

- **PpsA-mediated alternative pathway to complement RNase E essentiality in Escherichia coli** *ARCHIVES OF MICROBIOLOGY*
Tamura, M., Honda, N., Fujimoto, H., Cohen, S. N., Kato, A.
2016; 198 (5): 409-421
- **RPS23RG1 reduces A beta oligomer-induced synaptic and cognitive deficits** *SCIENTIFIC REPORTS*
Yan, L., Chen, Y., Li, W., Huang, X., Badie, H., Jian, F., Huang, T., Zhao, Y., Cohen, S. N., Li, L., Zhang, Y., Luo, H., Tu, et al
2016; 6
- **Effects on murine behavior and lifespan of selectively decreasing expression of mutant huntingtin allele by supt4h knockdown.** *PLoS genetics*
Cheng, H., Chern, Y., Chen, I., Liu, C., Li, S., Chun, S. J., Rigo, F., Bennett, C. F., Deng, N., Feng, Y., Lin, C., Yan, Y., Cohen, et al
2015; 11 (3)
- **Reversible Antibiotic Tolerance Induced in Staphylococcus aureus by Concurrent Drug Exposure.** *mBio*
Haaber, J., Friberg, C., McCreary, M., Lin, R., Cohen, S. N., Ingmer, H.
2015; 6 (1)
- **Identification of agents effective against multiple toxins and viruses by host-oriented cell targeting.** *Scientific reports*
Zilberman, L., Leonardi, W., Jeong, S., Sjodt, M., McComb, R., Ho, C. C., Retterer, C., Gharaibeh, D., Zamani, R., Soloveva, V., Bavari, S., Levitin, A., West, et al
2015; 5
- **Bidirectional effect of Wnt signaling antagonist DKK1 on the modulation of anthrax toxin uptake.** *Science China. Life sciences*
Qian, L., Cai, C., Yuan, P., Jeong, S., Yang, X., Dealmeida, V., Ernst, J., Costa, M., Cohen, S. N., Wei, W.
2014; 57 (5): 469-481
- **Identification of TSG101 Functional Domains and p21 Loci Required for TSG101-Mediated p21 Gene Regulation** *PLOS ONE*
Lin, Y., Chen, Y., Cohen, S. N., Cheng, T.
2013; 8 (11)
- **Calpain-dependent cytoskeletal rearrangement exploited for anthrax toxin endocytosis** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Jeong, S., Martchenko, M., Cohen, S. N.
2013; 110 (42): E4007-E4015
- **DNA cloning: A personal view after 40 years** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Cohen, S. N.
2013; 110 (39): 15521-15529
- **Upregulation of the Host SLC11A1 Gene by Clostridium difficile Toxin B Facilitates Glucosylation of Rho GTPases and Enhances Toxin Lethality** *INFECTION AND IMMUNITY*
Feng, Y., Cohen, S. N.
2013; 81 (8): 2724-2732
- **Nutrient Dependence of RNase E Essentiality in Escherichia coli** *JOURNAL OF BACTERIOLOGY*
Tamura, M., Moore, C. J., Cohen, S. N.
2013; 195 (6): 1133-1141
- **Correlation analyses of clinical and molecular findings identify candidate biological pathways in systemic juvenile idiopathic arthritis** *BMC MEDICINE*
Ling, X. B., Macaubas, C., Alexander, H. C., Wen, Q., Chen, E., Peng, S., Sun, Y., Deshpande, C., Pan, K., Lin, R., Lih, C., Chang, S. P., Lee, et al
2012; 10
- **Ribonuclease E Modulation of the Bacterial SOS Response** *PLOS ONE*
Manasherob, R., Miller, C., Kim, K., Cohen, S. N.
2012; 7 (6)
- **Second-Site Suppression of RNase E Essentiality by Mutation of the deaD RNA Helicase in Escherichia coli** *JOURNAL OF BACTERIOLOGY*
Tamura, M., Kers, J. A., Cohen, S. N.
2012; 194 (8): 1919-1926
- **Formation and release of arrestin domain-containing protein 1-mediated microvesicles (ARMMs) at plasma membrane by recruitment of TSG101 protein** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

- Nabhan, J. F., Hu, R., Oh, R. S., Cohen, S. N., Lu, Q.
2012; 109 (11): 4146-4151
- **Human genetic variation altering anthrax toxin sensitivity** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Martchenko, M., Candille, S. I., Tang, H., Cohen, S. N.
2012; 109 (8): 2972-2977
 - **Spt4 Is Selectively Required for Transcription of Extended Trinucleotide Repeats** *CELL*
Liu, C., Chang, C., Chern, Y., Wang, T., Hsieh, W., Shen, W., Chang, C., Chu, I., Deng, N., Cohen, S. N., Cheng, T.
2012; 148 (4): 690-701
 - **Improved Control of Tuberculosis and Activation of Macrophages in Mice Lacking Protein Kinase R** *PLOS ONE*
Wu, K., Koo, J., Jiang, X., Chen, R., Cohen, S. N., Nathan, C.
2012; 7 (2)
 - **Upregulation of RNase E activity by mutation of a site that uncompetitively interferes with RNA binding** *RNA BIOLOGY*
Go, H., Moore, C. J., Lee, M., Shin, E., Jeon, C. O., Cha, C., Han, S. H., Kim, S., Lee, S., Lee, Y., Ha, N., Kim, Y., Cohen, et al
2011; 8 (6): 1022-1034
 - **Regulation of transcription of hypoxia-inducible factor-1 alpha (HIF-1 alpha) by heat shock factors HSF2 and HSF4** *ONCOGENE*
Chen, R., Lilliental, J. E., Kowalski, P. E., Lu, Q., Cohen, S. N.
2011; 30 (22): 2570-2580
 - **The Rps23rg gene family originated through retroposition of the ribosomal protein s23 mRNA and encodes proteins that decrease Alzheimer's beta-amyloid level and tau phosphorylation** *HUMAN MOLECULAR GENETICS*
Huang, X., Chen, Y., Li, W., Cohen, S. N., Liao, F., Li, L., Xu, H., Zhang, Y.
2010; 19 (19): 3835-3843
 - **Heterodimeric integrin complexes containing beta 1-integrin promote internalization and lethality of anthrax toxin** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Martchenko, M., Jeong, S., Cohen, S. N.
2010; 107 (35): 15583-15588
 - **Putative TetR Family Transcriptional Regulator SCO1712 Encodes an Antibiotic Downregulator in Streptomyces coelicolor** *APPLIED AND ENVIRONMENTAL MICROBIOLOGY*
Lee, H., Huang, J., Im, J., Kim, S., Noh, J., Cohen, S. N., Kim, E.
2010; 76 (9): 3039-3043
 - **Regulation of morphological differentiation in S-coelicolor by RNase III (AbsB) cleavage of mRNA encoding the AdpA transcription factor** *MOLECULAR MICROBIOLOGY*
Xu, W., Huang, J., Lin, R., Shi, J., Cohen, S. N.
2010; 75 (3): 781-791
 - **A Functional Mouse Retroposed Gene Rps23r1 Reduces Alzheimer's beta-Amyloid Levels and Tau Phosphorylation** *NEURON*
Zhang, Y., Liu, S., Zhang, X., Li, W., Chen, Y., Huang, X., Sun, L., Luo, W., Netzer, W. J., Threadgill, R., Wiegand, G., Wang, R., Cohen, et al
2009; 64 (3): 328-340
 - **Identification of Cellular Genes Affecting the Infectivity of Foot-and-Mouth Disease Virus** *JOURNAL OF VIROLOGY*
Piccone, M. E., Feng, Y., Chang, A. C., Mosseri, R., Lu, Q., Kutish, G. F., Lu, Z., Burrage, T. G., Gooch, C., Rock, D. L., Cohen, S. N.
2009; 83 (13): 6681-6688
 - **Microbial Drug Resistance: An Old Problem in Need of New Solutions.** *Microbial Evolution and Co-Adaptation: A Tribute to the Life and Scientific Legacies of Joshua Lederberg.* (D.A. Relman, M.A. Hamburg, E.R. Choffnes, and A. Mack, eds). Washington, DC: National Academies Press
Cohen SN
2009: 173-180
 - **Stanley N. Cohen — Science, Biotechnology, and Recombinant DNA: A Personal History**
Cohen, S. N.
Bancroft Library Oral History Center. Berkeley, CA.
2009 ; Bancroft Library Regional Oral History Office 240 pp.

- **YmdB: a stress-responsive ribonuclease-binding regulator of *E. coli* RNase III activity** *GENES & DEVELOPMENT*
Kim, K., Manasherob, R., Cohen, S. N.
2008; 22 (24): 3497-3508
- **Inhibition of HIV Budding by a Genetically Selected Cyclic Peptide Targeting the Gag-TSG101 Interaction** *ACS CHEMICAL BIOLOGY*
Tavassoli, A., Lu, Q., Gam, J., Pan, H., Benkovic, S. J., Cohen, S. N.
2008; 3 (12): 757-764
- **Autoregulation of AbsB (RNase III) expression in *Streptomyces coelicolor* by endoribonucleolytic cleavage of absB operon transcripts** *JOURNAL OF BACTERIOLOGY*
Xu, W., Huang, J., Cohen, S. N.
2008; 190 (15): 5526-5530
- **Identification of amino acid residues in the catalytic domain of RNase E essential for survival of *Escherichia coli*: Functional analysis of DNase I subdomain** *GENETICS*
Shin, E., Go, H., Yeom, J., Won, M., Hanj, S. H., Bae, J., Han, S. H., Han, K., Lee, Y., Ha, N., Moore, C. J., Sohlberg, B., Cohen, et al
2008; 179 (4): 1871-1879
- **Genomic expression profiling of TNF-alpha-treated BDC2.5 diabetogenic CD4(+) T cells** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Lee, L., Lih, C., Huang, C., Cao, T., Cohen, S. N., McDevitt, H. O.
2008; 105 (29): 10107-10112
- **Suppression of human tumor cell proliferation by Smurf2-induced senescence** *JOURNAL OF CELLULAR PHYSIOLOGY*
Zhang, H., Teng, Y., Kong, Y., Kowalski, P. E., Cohen, S. N.
2008; 215 (3): 613-620
- **Glioma cells on the run - the migratory transcriptome of 10 human glioma cell lines** *BMC GENOMICS*
Demuth, T., Rennert, J. L., Hoelzinger, D. B., Reavie, L. B., Nakada, M., Beaudry, C., Nakada, S., Anderson, E. M., Henrichs, A. N., McDonough, W. S., Holz, D., Joy, A., Lin, et al
2008; 9
- **Interspecies DNA microarray analysis identifies WblA as a pleiotropic down-regulator of antibiotic biosynthesis in *Streptomyces*** *JOURNAL OF BACTERIOLOGY*
Kang, S., Huang, J., Lee, H., Hur, Y., Cohen, S. N., Kim, E.
2007; 189 (11): 4315-4319
- **Characterization of a large, stable, high-copy-number *Streptomyces* plasmid that requires stability and transfer functions for heterologous polyketide overproduction** *APPLIED AND ENVIRONMENTAL MICROBIOLOGY*
Fong, R., Hu, Z., Hutchinson, C. R., Huang, J., Cohen, S., Kao, C.
2007; 73 (4): 1296-1307
- **Human MDM2 isoforms translated differentially on constitutive versus p53-regulated transcripts have distinct functions in the p53/MDM2 and TSG101/MDM2 feedback control loops** *MOLECULAR AND CELLULAR BIOLOGY*
Cheng, T., Cohen, S. N.
2007; 27 (1): 111-119
- **Retention of core catalytic functions by a conserved minimal ribonuclease E peptide that lacks the domain required for tetramer formation** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Caruthers, J. M., Feng, Y., McKay, D. B., Cohen, S. N.
2006; 281 (37): 27046-27051
- **Phenotype-based identification of host genes required for replication of African swine fever virus** *JOURNAL OF VIROLOGY*
Chang, A. C., Zsak, L., Feng, Y., Mosseri, R., Lu, Q., Kowalski, P., Zsak, A., Burrage, T. G., Neilan, J. G., Kutish, G. F., Lu, Z., Laegreid, W., Rock, et al
2006; 80 (17): 8705-8717
- **Txr1: a transcriptional regulator of thrombospondin-1 that modulates cellular sensitivity to taxanes** *GENES & DEVELOPMENT*
Lih, C., Wei, W., Cohen, S. N.
2006; 20 (15): 2082-2095
- **Differential modulation of E-coli mRNA abundance by inhibitory proteins that alter the composition of the degradosome** *MOLECULAR MICROBIOLOGY*

- Gao, J., Lee, K., Zhao, M., Qiu, J., Zhan, X., Saxena, A., Moore, C. J., Cohen, S. N., Georgiou, G.
2006; 61 (2): 394-406
- **RNase E maintenance of proper FtsZ/FtsA ratio required for nonfilamentous growth of Escherichia coli cells but not for colony-forming ability** *JOURNAL OF BACTERIOLOGY*
Tamura, M., Lee, K., Miller, C. A., Moore, C. J., Shirako, Y., Kobayashi, M., Cohen, S. N.
2006; 188 (14): 5145-5152
 - **The LDL receptor-related protein LRP6 mediates internalization and lethality of anthrax toxin** *CELL*
Wei, W., Lu, Q., Chaudry, G. J., Leppla, S. H., Cohen, S. N.
2006; 124 (6): 1141-1154
 - **16925552 rag genes: novel components of the RamR regulon that trigger morphological differentiation in Streptomyces coelicolor**
San Paolo, S., Huang, J., Cohen, S. N., Thompson, C. J.
2006; 61 (5): 1167-1186
 - **Cross-regulation among disparate antibiotic biosynthetic pathways of Streptomyces coelicolor** *MOLECULAR MICROBIOLOGY*
Huang, J., Shi, J., Molle, V., Sohlberg, B., Weaver, D., Bibb, M. J., Karoonuthaisiri, N., Lih, C. J., Kao, C. M., Buttner, M. J., Cohen, S. N.
2005; 58 (5): 1276-1287
 - **Effects of threshold choice on biological conclusions reached during analysis of gene expression by DNA microarrays** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Pan, K. H., Lih, C. J., Cohen, S. N.
2005; 102 (25): 8961-8965
 - **Regional organization of gene expression in Streptomyces coelicolor** *GENE*
Karoonuthaisiri, N., Weaver, D., Huang, J. Q., Cohen, S. N., Kao, C. M.
2005; 353 (1): 53-66
 - **An integrated data analysis approach to characterize genes highly expressed in hepatocellular carcinoma** *ONCOGENE*
Patil, M. A., Chua, M. S., Pan, K. H., Lin, R., Lih, C. J., Cheung, S. T., Ho, C., Li, R., Fan, S. T., Cohen, S. N., Chen, X., So, S.
2005; 24 (23): 3737-3747
 - **Smurf2 up-regulation activates telomere-dependent senescence** *GENES & DEVELOPMENT*
Zhang, H., Cohen, S. N.
2004; 18 (24): 3028-3040
 - **EST-based genome-wide gene inactivation identifies ARAP3 as a host protein affecting cellular susceptibility to anthrax toxin** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Lu, Q., Wei, W. S., Kowalski, P. E., Chang, A. C., Cohen, S. N.
2004; 101 (49): 17246-17251
 - **Reverse transcriptase activity innate to DNA polymerase I and DNA topoisomerase I proteins of Streptomyces telomere complex** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Bao, K., Cohen, S. N.
2004; 101 (40): 14361-14366
 - **SOS response induction by beta-lactams and bacterial defense against antibiotic lethality** *SCIENCE*
Miller, C., Thomsen, L. E., Gaggero, C., Mosseri, R., Ingmer, H., Cohen, S. N.
2004; 305 (5690): 1629-1631
 - **Disparate effects of telomere attrition on gene expression during replicative senescence of human mammary epithelial cells cultured under different conditions** *ONCOGENE*
Zhang, H., Herbert, B. S., Pan, K. H., Shay, J. W., Cohen, S. N.
2004; 23 (37): 6193-6198
 - **Global analysis of Escherichia coli RNA degradosome function using DNA microarrays** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Bernstein, J. A., Lin, P. H., Cohen, S. N., Lin-Chao, S.
2004; 101 (9): 2758-2763

- **Genome plasticity in Streptomyces: identification of 1 Mb TIRs in the S-coelicolor A3(2) chromosome** *MOLECULAR MICROBIOLOGY*
Weaver, D., Karoonuthaisiri, N., Tsai, H. H., Huang, C. H., Ho, M. L., Gai, S. N., Patel, K. G., Huang, J. Q., Cohen, S. N., Hopwood, D. A., Chen, C. W., Kao, C. M.
2004; 51 (6): 1535-1550
- **The Streptomyces coelicolor polynucleotide phosphorylase homologue, and not the putative poly(A) polymerase, can polyadenylate RNA** *JOURNAL OF BACTERIOLOGY*
Sohlberg, B., Huang, J. Q., Cohen, S. N.
2003; 185 (24): 7273-7278
- **Identification and characterization of a pSLA2 plasmid locus required for linear DNA replication and circular plasmid stable inheritance in Streptomyces lividans** *JOURNAL OF BACTERIOLOGY*
Qin, Z. J., SHEN, M. J., Cohen, S. N.
2003; 185 (22): 6575-6582
- **DpiA binding to the replication origin of Escherichia coli plasmids and chromosomes destabilizes plasmid inheritance and induces the bacterial SOS response** *JOURNAL OF BACTERIOLOGY*
Miller, C., Ingmer, H., Thomsen, L. E., Skarstad, K., Cohen, S. N.
2003; 185 (20): 6025-6031
- **RraA: a protein inhibitor of RNase E activity that globally modulates RNA abundance in E. coli** *CELL*
Lee, K. S., Zhan, X. M., Gao, J. J., Ji, Q., Feng, Y. A., Meganathan, R., Cohen, S. N., Georgiou, G.
2003; 114 (5): 623-634
- **Tsg101 control of human immunodeficiency virus type 1 gag trafficking and release** *JOURNAL OF VIROLOGY*
Goff, A., Ehrlich, L. S., Cohen, S. N., Carter, C. A.
2003; 77 (17): 9173-9182
- **The chaplins: a family of hydrophobic cell-surface proteins involved in aerial mycelium formation in Streptomyces coelicolor** *GENES & DEVELOPMENT*
Elliot, M. A., Karoonuthaisiri, N., Huang, J. Q., Bibb, M. J., Cohen, S. N., Kao, C. M., Buttner, M. J.
2003; 17 (14): 1727-1740
- **TSG101 interaction with HRS mediates endosomal trafficking and receptor down-regulation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Lu, Q., Hope, L. W., Brasch, M., Reinhard, C., Cohen, S. N.
2003; 100 (13): 7626-7631
- **A Streptomyces coelicolor functional orthologue of Escherichia coli RNase E shows shuffling of catalytic and PNPase-binding domains** *MOLECULAR MICROBIOLOGY*
Lee, K., Cohen, S. N.
2003; 48 (2): 349-360
- **Senescence-specific gene expression fingerprints reveal cell-type-dependent physical clustering of up-regulated chromosomal loci** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Zhang, H., Pan, K. H., Cohen, S. N.
2003; 100 (6): 3251-3256
- **Recruitment of terminal protein to the ends of Streptomyces linear plasmids and chromosomes by a novel telomere-binding protein essential for linear DNA replication** *GENES & DEVELOPMENT*
Bao, K., Cohen, S. N.
2003; 17 (6): 774-785
- **The catalytic domain of RNase E shows inherent 3' to 5' directionality in cleavage site selection** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Feng, Y. A., Vickers, T. A., Cohen, S. N.
2002; 99 (23): 14746-14751
- **Survival mechanisms for Streptomyces linear replicons after telomere damage** *MOLECULAR MICROBIOLOGY*
Qin, Z. J., Cohen, S. N.
2002; 45 (3): 785-794

- **Global analysis of mRNA decay and abundance in Escherichia coli at single-gene resolution using two-color fluorescent DNA microarrays** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Bernstein, J. A., Khodursky, A. B., Lin, P. H., Lin-Chao, S., Cohen, S. N.
2002; 99 (15): 9697-9702
- **Polyadenylation can regulate ColE1 type plasmid copy number independently of any effect on RNAI decay by decreasing the interaction of antisense RNAI with its RNAII target** *PLASMID*
Xu, F. F., Gaggero, C., Cohen, S. N.
2002; 48 (1): 49-58
- **Negative regulation of cell growth and differentiation by TSG101 through association with p21(Cip1/WAF1)** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Oh, H., Mammucari, C., Nenci, A., Cabodi, S., Cohen, S. N., Dotto, G. P.
2002; 99 (8): 5430-5435
- **RNase G complementation of me null mutation identifies functional interrelationships with RNase E in Escherichia coli** *MOLECULAR MICROBIOLOGY*
Lee, K., Bernstein, J. A., Cohen, S. N.
2002; 43 (6): 1445-1456
- **Isolation and properties of Gas8, a growth arrest-specific gene regulated during male gametogenesis to produce a protein associated with the sperm motility apparatus** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Yeh, S. D., Chen, Y. J., Chang, A. C., Ray, R., She, B. R., Lee, W. S., Chiang, H. S., Cohen, S. N., Lin-Chao, S.
2002; 277 (8): 6311-6317
- **Analysis of DNA microarrays using algorithms that employ rule-based expert knowledge** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Pan, K. H., Lih, C. J., Cohen, S. N.
2002; 99 (4): 2118-2123
- **Global analysis of growth phase responsive gene expression and regulation of antibiotic biosynthetic pathways in Streptomyces coelicolor using DNA microarrays** *GENES & DEVELOPMENT*
Huang, J. Q., Lih, C. J., Pan, K. H., Cohen, S. N.
2001; 15 (23): 3183-3192
- **The RepA protein of plasmid pSC101 controls Escherichia coli cell division through the SOS response** *MOLECULAR MICROBIOLOGY*
Ingmer, H., Miller, C., Cohen, S. N.
2001; 42 (2): 519-526
- **Escherichia coli poly(A)-binding proteins that interact with components of degradosomes or impede RNA decay mediated by polynucleotide phosphorylase and RNase E** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Feng, Y., Huang, H. J., Liao, J., Cohen, S. N.
2001; 276 (34): 31651-31656
- **Effects of 3' terminus modifications on mRNA functional decay during in vitro protein synthesis** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Lee, K., Cohen, S. N.
2001; 276 (26): 23268-23274
- **Terminal proteins essential for the replication of linear plasmids and chromosomes in Streptomyces** *GENES & DEVELOPMENT*
Bao, K., Cohen, S. N.
2001; 15 (12): 1518-1527
- **Modulation of actinorhodin biosynthesis in Streptomyces lividans by glucose repression of afsR2 gene transcription** *JOURNAL OF BACTERIOLOGY*
Kim, E. S., Hong, H. J., Choi, C. Y., Cohen, S. N.
2001; 183 (7): 2198-2203
- **A TSG101/MDM2 regulatory loop modulates MDM2 degradation and MDM2/p53 feedback control** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Li, L. M., Liao, J., Ruland, J., Mak, T. W., Cohen, S. N.
2001; 98 (4): 1619-1624

- **p53 Accumulation, defective cell proliferation, and early embryonic lethality in mice lacking tsg101** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Ruland, J., Sirard, C., Elia, A., Macpherson, D., Wakeham, A., Li, L. M., de la Pompa, J. L., Cohen, S. N., Mak, T. W.
2001; 98 (4): 1859-1864
- **RNA degradosomes exist in vivo in Escherichia coli as multicomponent complexes associated with the cytoplasmic membrane via the N-terminal region of ribonuclease E** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Liou, G. G., Jane, W. N., Cohen, S. N., Lin, N. S., Lin-Chao, S.
2001; 98 (1): 63-68
- **Unraveling the essential role in conjugation of the Tra protein of Streptomyces lividans plasmid pIJ101** *ANTONIE VAN LEEUWENHOEK INTERNATIONAL JOURNAL OF GENERAL AND MOLECULAR MICROBIOLOGY*
Pettis, G. S., Cohen, S. N.
2001; 79 (3-4): 247-250
- **Neoplastic transformation and tumorigenesis associated with Sam68 protein deficiency in cultured murine fibroblasts** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Liu, K., Li, L. M., Nisson, P. E., Gruber, C., Jessee, J., Cohen, S. N.
2000; 275 (51): 40195-40201
- **Antisense RNA-mediated deficiency of the calpain protease, nCL-4, in NIH3T3 cells is associated with neoplastic transformation and tumorigenesis** *JOURNAL OF BIOLOGICAL CHEMISTRY*
Liu, K. Y., Li, L. M., Cohen, S. N.
2000; 275 (40): 31093-31098
- **Mutational analysis of the tra locus of the broad-host-range Streptomyces plasmid pIJ101** *JOURNAL OF BACTERIOLOGY*
Pettis, G. S., Cohen, S. N.
2000; 182 (16): 4500-4504
- **Long palindromes formed in Streptomyces by nonrecombinational intra-strand annealing** *GENES & DEVELOPMENT*
Qin, Z. J., Cohen, S. N.
2000; 14 (14): 1789-1796
- **Unpaired terminal nucleotides and 5' monophosphorylation govern 3' polyadenylation by Escherichia coli poly(A) polymerase I** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Feng, Y. N., Cohen, S. N.
2000; 97 (12): 6415-6420
- **TSG101 protein steady-state level is regulated posttranslationally by an evolutionarily conserved COOH-terminal sequence** *CANCER RESEARCH*
Feng, G. H., Lih, C. J., Cohen, S. N.
2000; 60 (6): 1736-1741
- **Plasmid Replication and Copy Number Control** *The Horizontal Gene Pool: Bacterial Plasmids and Gene Spread*
Espinosa, M., Cohen, S., Couturier, M., del Solar, G., Diaz-Orejas, R., Giraldo, R., Janniere, L., Miller, C., Osborn, M., Thomas, C. M.
Harwood Academic Publishers.2000: 1-47
- **Separate roles of Escherichia coli replication proteins in synthesis and partitioning of pSC101 plasmid DNA** *JOURNAL OF BACTERIOLOGY*
Miller, C., Cohen, S. N.
1999; 181 (24): 7552-7557
- **Alternative splicing regulates the production of ARD-1 endoribonuclease and NIPP-1, an inhibitor of protein phosphatase-1, as isoforms encoded by the same gene** *GENE*
Chang, A. C., Sohlberg, B., Trinkle-Mulcahy, L., Claverie-Martin, F., Cohen, P., Cohen, S. N.
1999; 240 (1): 45-55
- **Regulation of transfer functions by the imp locus of the Streptomyces coelicolor plasmidogenic element SLP1** *JOURNAL OF BACTERIOLOGY*
Hagege, J. M., Brasch, M. A., Cohen, S. N.
1999; 181 (19): 5976-5983
- **Tumor susceptibility gene 101 protein represses androgen receptor transactivation and interacts with p300** *CANCER*
Sun, Z. J., Pan, J., Hope, W. X., Cohen, S. N., Balk, S. P.

1999; 86 (4): 689-696

● **Reversible tumorigenesis induced by deficiency of vasodilator-stimulated phosphoprotein** *MOLECULAR AND CELLULAR BIOLOGY*

Liu, K. Y., Li, L. M., Nisson, P. E., Gruber, C., Jesse, J., Cohen, S. N.

1999; 19 (5): 3696-3703

● **Nuclear organisation of NIPP1, a regulatory subunit of protein phosphatase 1 that associates with pre-mRNA splicing factors** *JOURNAL OF CELL SCIENCE*

Trinkle-Mulcahy, L., Ajuh, P., PRESCOTT, A., Claverie-Martin, F., Cohen, S., Lamond, A. I., Cohen, P.

1999; 112 (2): 157-168

● **gas7: A gene expressed preferentially in growth-arrested fibroblasts and terminally differentiated Purkinje neurons affects neurite formation** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Ju, Y. T., Chang, A. C., She, B. R., Tsaur, M. L., Hwang, H. M., CHAO, C. C., Cohen, S. N., Lin-Chao, S.

1998; 95 (19): 11423-11428

● **Destabilized inheritance of pSC101 and other Escherichia coli plasmids by DpiA, a novel two-component system regulator** *MOLECULAR MICROBIOLOGY*

Ingmer, H., Miller, C. A., Cohen, S. N.

1998; 29 (1): 49-59

● **Replication at the telomeres of the Streptomyces linear plasmid pSLA2** *MOLECULAR MICROBIOLOGY*

Qin, Z. J., Cohen, S. N.

1998; 28 (5): 893-903

● **Cell cycle-dependent subcellular localization of the TSG101 protein and mitotic and nuclear abnormalities associated with TSG101 deficiency** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Xie, W. Q., Li, L. M., Cohen, S. N.

1998; 95 (4): 1595-1600

● **Poly(A)- and poly(U)-specific RNA 3' tail shortening by E-coli ribonuclease E** *NATURE*

Huang, H. J., Liao, J., Cohen, S. N.

1998; 391 (6662): 99-102

● **Aberrant splicing of the TSG101 and FHIT genes occurs frequently in multiple malignancies and in normal tissues and mimics alterations previously described in tumours** *ONCOGENE*

Gayther, S. A., Barski, P., Batley, S. J., Li, L. M., deFoy, K. A., Cohen, S. N., Ponder, B. A., Caldas, C.

1997; 15 (17): 2119-2126

● **A developmentally regulated Streptomyces endoribonuclease resembles ribonuclease E of Escherichia coli** *MOLECULAR MICROBIOLOGY*

Hagege, J. M., Cohen, S. N.

1997; 25 (6): 1077-1090

● **ARD-1 cDNA from human cells encodes a site-specific single-strand endoribonuclease that functionally resembles Escherichia coli RNase E** *JOURNAL OF BIOLOGICAL CHEMISTRY*

CLAVERIEMARTIN, F., Wang, M., Cohen, S. N.

1997; 272 (21): 13823-13828

● **RNase E: Still a wonderfully mysterious enzyme** *MOLECULAR MICROBIOLOGY*

Cohen, S. N., McDowall, K. J.

1997; 23 (6): 1099-1106

● **The TSG101 tumor susceptibility gene is located in chromosome 11 band p15 and is mutated in human breast cancer** *CELL*

Li, L. M., Li, X., FRANCKE, U., Cohen, S. N.

1997; 88 (1): 143-154

● **Knowledge and fear of knowledge: dual legacy of DNA cloning** *Europaisches Forum Alpbach*

Cohen, S. N.

1997

● **Streptomyces linear plasmids that contain a phage-like, centrally located, replication origin** *MOLECULAR MICROBIOLOGY*

Chang, P. C., Kim, E. S., Cohen, S. N.

1996; 22 (5): 789-800

- **The platelet-derived growth factor alpha-receptor is encoded by a growth-arrest-specific (gas) gene** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Lih, C. J., Cohen, S. N., Wang, C. Y., LINCHAO, S.

1996; 93 (10): 4617-4622

- **tsg101: A novel tumor susceptibility gene isolated by controlled homozygous functional knockout of allelic loci in mammalian cells** *CELL*

Li, L. M., Cohen, S. N.

1996; 85 (3): 319-329

- **Plasmid transfer and expression of the transfer (tra) gene product of plasmid pIJ101 are temporally regulated during the Streptomyces lividans life cycle** *MOLECULAR MICROBIOLOGY*

Pettis, G. S., Cohen, S. N.

1996; 19 (5): 1127-1135

- **The N-terminal domain of the rne gene product has RNase E activity and is non-overlapping with the arginine-rich RNA-binding site** *JOURNAL OF MOLECULAR BIOLOGY*

McDowall, K. J., Cohen, S. N.

1996; 255 (3): 349-355

- **Antisense RNA** *NATO/FEBS Advanced Study Institute*

Nordstrom, K., Cohen, S. N., Simons, R. W.

1996: 231-261

- **DISPARATE REPLICATION PROPERTIES OF INTEGRATED AND EXTRACHROMOSOMAL FORMS OF BOVINE PAPILLOMA-VIRUS IN ID13 CELLS** *JOURNAL OF MOLECULAR BIOLOGY*

TENHAGEN, K. G., Ravnan, J. B., Cohen, S. N.

1995; 254 (2): 119-129

- **TRANSFORMED MOUSE-CELL LINES THAT CONSIST PREDOMINANTLY OF CELLS MAINTAINING BOVINE PAPILLOMA-VIRUS AT HIGH COPY NUMBER** *VIROLOGY*

Ravnan, J. B., Cohen, S. N.

1995; 213 (2): 526-534

- **BOUNDARIES OF THE PSC101 MINIMAL REPLICON ARE CONDITIONAL** *JOURNAL OF BACTERIOLOGY*

Miller, C. A., Ingmer, H., Cohen, S. N.

1995; 177 (17): 4865-4871

- **MONOMER-DIMER EQUILIBRIUM OF THE PSC101 REPA PROTEIN** *JOURNAL OF MOLECULAR BIOLOGY*

Ingmer, H., Fong, E. L., Cohen, S. N.

1995; 250 (3): 309-314

- **SEQUENCES ESSENTIAL FOR REPLICATION OF PLASMID PIJ101 IN STREPTOMYCES-LIVIDANS PLASMID**

Brasch, M. A., Cohen, S. N.

1995; 33 (3): 191-197

- **SURPRISES AT THE 3'-END OF PROKARYOTIC RNA** *CELL*

Cohen, S. N.

1995; 80 (6): 829-832

- **SITE-SPECIFIC RNASE-E CLEAVAGE OF OLIGONUCLEOTIDES AND INHIBITION BY STEM-LOOPS** *NATURE*

McDowall, K. J., Kaberdin, V. R., Wu, S. W., Cohen, S. N., LINCHAO, S.

1995; 374 (6519): 287-290

- **RNA DEGRADATION IN ESCHERICHIA-COLI REGULATED BY 3' ADENYLATION AND 5' PHOSPHORYLATION** *NATURE*

Xu, F. F., Cohen, S. N.

1995; 374 (6518): 180-183

- **EFFECTS OF THE PSC101 PARTITION (PAR) LOCUS ON IN-VIVO DNA SUPERCOILING NEAR THE PLASMID REPLICATION ORIGIN** *NUCLEIC ACIDS RESEARCH*

- CONLEY, D. L., Cohen, S. N.
1995; 23 (4): 701-707
- **ISOLATION AND CHARACTERIZATION OF PLASMID MUTATIONS THAT ENABLE PARTITIONING OF PSC101 REPLICONS LACKING THE PARTITION (PAR) LOCUS** *JOURNAL OF BACTERIOLOGY*
CONLEY, D. L., Cohen, S. N.
1995; 177 (4): 1086-1089
- **AFSR2 - A PREVIOUSLY UNDETECTED GENE ENCODING A 63-AMINO-ACID PROTEIN THAT STIMULATES ANTIBIOTIC PRODUCTION IN STREPTOMYCES-LIVIDANS** *MOLECULAR MICROBIOLOGY*
Vogtli, M., Chang, P. C., Cohen, S. N.
1994; 14 (4): 643-653
- **ARD-1 - A HUMAN GENE THAT REVERSES THE EFFECTS OF TEMPERATURE-SENSITIVE AND DELETION MUTATIONS IN THE ESCHERICHIA-COLI RNE GENE AND ENCODES AN ACTIVITY PRODUCING RNASE E-LIKE CLEAVAGES** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Wang, M., Cohen, S. N.
1994; 91 (22): 10591-10595
- **TRANSFER OF THE PLJ101 PLASMID IN STREPTOMYCES-LIVIDANS REQUIRES A CIS-ACTING FUNCTION DISPENSABLE FOR CHROMOSOMAL GENE-TRANSFER** *MOLECULAR MICROBIOLOGY*
Pettis, G. S., Cohen, S. N.
1994; 13 (6): 955-964
- **BIDIRECTIONAL REPLICATION FROM AN INTERNAL ORIGIN IN A LINEAR STREPTOMYCES PLASMID** *SCIENCE*
Chang, P. C., Cohen, S. N.
1994; 265 (5174): 952-954
- **EFFECTS OF NUCLEOTIDE-SEQUENCE ON THE SPECIFICITY OF RNE-DEPENDENT AND RNASE E-MEDIATED CLEAVAGES OF RNA I-ENCODED BY THE PBR322 PLASMID** *JOURNAL OF BIOLOGICAL CHEMISTRY*
LINCHAO, S., Wong, T. T., McDowall, K. J., Cohen, S. N.
1994; 269 (14): 10797-10803
- **A+U CONTENT RATHER THAN A PARTICULAR NUCLEOTIDE ORDER DETERMINES THE SPECIFICITY OF RNASE E-CLEAVAGE** *JOURNAL OF BIOLOGICAL CHEMISTRY*
McDowall, K. J., LINCHAO, S., Cohen, S. N.
1994; 269 (14): 10790-10796
- **MUTATIONS THAT AFFECT REGULATION OF THE KORB GENE OF STREPTOMYCES-LIVIDANS PLASMID PLJ101 ALTER PLASMID TRANSMISSION** *MOLECULAR MICROBIOLOGY*
Tai, J. T., Cohen, S. N.
1994; 12 (1): 31-39
- **BACTERIAL PLASMIDS - THEIR EXTRAORDINARY CONTRIBUTION TO MOLECULAR-GENETICS COGENE Symposium - From the Double Helix to the Human Genome: 40 Years of Molecular Genetics**
Cohen, S. N.
ELSEVIER SCIENCE BV.1993: 67-76
- **EXCESS INTRACELLULAR CONCENTRATION OF THE PSC101 REPA PROTEIN INTERFERES WITH BOTH PLASMID DNA-REPLICATION AND PARTITIONING** *JOURNAL OF BACTERIOLOGY*
Ingmer, H., Cohen, S. N.
1993; 175 (24): 7834-7841
- **THE ACTIVE FORM OF THE KORB PROTEIN ENCODED BY THE STREPTOMYCES PLASMID PIJ101 IS A PROCESSED PRODUCT THAT BINDS DIFFERENTIALLY TO THE 2 PROMOTERS IT REGULATES** *JOURNAL OF BACTERIOLOGY*
Tai, J. T., Cohen, S. N.
1993; 175 (21): 6996-7005
- **ROLE OF THE IMP OPERON OF THE STREPTOMYCES-COELICOLOR GENETIC ELEMENT SLP1 - 2 IMP-ENCODED PROTEINS INTERACT TO AUTOREGULATE IMP EXPRESSION AND CONTROL PLASMID MAINTENANCE** *JOURNAL OF BACTERIOLOGY*
Shiffman, D., Cohen, S. N.

1993; 175 (21): 6767-6774

• **THE PSC101 PAR LOCUS ALTERS PROTEIN-DNA INTERACTIONS IN-VIVO AT THE PLASMID REPLICATION ORIGIN** *JOURNAL OF BACTERIOLOGY*

Ingmer, H., Cohen, S. N.

1993; 175 (18): 6046-6048

• **ACTIVATION OF TRANSCRIPTIONAL FUSIONS IN STREPTOMYCES-LIVIDANS RESULTING FROM INSERTION OF A 14-BP OLIGONUCLEOTIDE** *NUCLEIC ACIDS RESEARCH*

Brasch, M. A., Shiffman, D., Cohen, S. N.

1993; 21 (17): 4151-4151

• **THE PARTITION (PAR) LOCUS OF PSC101 IS AN ENHANCER OF PLASMID INCOMPATIBILITY** *MOLECULAR MICROBIOLOGY*

Miller, C. A., Cohen, S. N.

1993; 9 (4): 695-702

• **THE ESCHERICHIA-COLI PCNB GENE PROMOTES ADENYLYLATION OF ANTISENSE RNAI OF COLE1-TYPE PLASMIDS IN-VIVO AND DEGRADATION OF RNAI DECAY INTERMEDIATES** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Xu, F. F., LINCHAO, S., Cohen, S. N.

1993; 90 (14): 6756-6760

• **THE AMS-1 AND RNE-3071 TEMPERATURE-SENSITIVE MUTATIONS IN THE AMS GENE ARE IN CLOSE PROXIMITY TO EACH OTHER AND CAUSE SUBSTITUTIONS WITHIN A DOMAIN THAT RESEMBLES A PRODUCT OF THE ESCHERICHIA-COLI MRE LOCUS** *JOURNAL OF BACTERIOLOGY*

McDowall, K. J., Hernandez, R. G., Chao, S. L., Cohen, S. N.

1993; 175 (13): 4245-4249

• **TIMING OF REPLICATION OF BETA-SATELLITE REPEATS OF HUMAN-CHROMOSOMES** *NUCLEIC ACIDS RESEARCH*

TENHAGEN, K. G., Cohen, S. N.

1993; 21 (9): 2139-2142

• **LOCALIZATION AND NUCLEOTIDE-SEQUENCES OF GENES MEDIATING SITE-SPECIFIC RECOMBINATION OF THE SLP1-ELEMENT IN STREPTOMYCES-LIVIDANS** *JOURNAL OF BACTERIOLOGY*

Brasch, M. A., Pettis, G. S., Lee, S. C., Cohen, S. N.

1993; 175 (10): 3067-3074

• **EXCISIVE RECOMBINATION OF THE SLP1 ELEMENT IN STREPTOMYCES-LIVIDANS IS MEDIATED BY INT AND ENHANCED BY XIS** *JOURNAL OF BACTERIOLOGY*

Brasch, M. A., Cohen, S. N.

1993; 175 (10): 3075-3082

• **RANDOM-CHOICE REPLICATION OF EXTRACHROMOSOMAL BOVINE PAPILLOMAVIRUS (BPV) MOLECULES IN HETEROGENEOUS, CLONALLY DERIVED BPV-INFECTED CELL-LINES** *JOURNAL OF VIROLOGY*

Ravnan, J. B., Gilbert, D. M., TENHAGEN, K. G., Cohen, S. N.

1992; 66 (12): 6946-6952

• **THE CHROMOSOMAL INTEGRATION SITE FOR THE STREPTOMYCES PLASMID SLP1 IS A FUNCTIONAL TRANSFER RNA(TYR) GENE ESSENTIAL FOR CELL VIABILITY** *MOLECULAR MICROBIOLOGY*

Vogtli, M., Cohen, S. N.

1992; 6 (20): 3041-3050

• **RECONSTRUCTION OF A STREPTOMYCES LINEAR REPLICON FROM SEPARATELY CLONED DNA FRAGMENTS - EXISTENCE OF A CRYPTIC ORIGIN OF CIRCULAR REPLICATION WITHIN THE LINEAR PLASMID** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*

Shiffman, D., Cohen, S. N.

1992; 89 (13): 6129-6133

• **PROPAGATION OF PSC101 PLASMIDS DEFECTIVE IN BINDING OF INTEGRATION HOST FACTOR** *JOURNAL OF BACTERIOLOGY*

Biek, D. P., Cohen, S. N.

1992; 174 (3): 785-792

- **MOUSE GENOMIC DNA-SEQUENCES HOMOLOGOUS TO SEA-URCHIN TU ELEMENTS ARE GENETICALLY STABLE POLYDISPERSED REPEATS USEFUL FOR ANALYSIS OF MULTIPLE RFLPS GENOMICS**
Gilbert, D. M., Hernandez, R., Cohen, S. N.
1992; 12 (2): 357-362
- **GYRASE-DEPENDENT STABILIZATION OF PSC101 PLASMID INHERITANCE BY TRANSCRIPTIONALLY ACTIVE PROMOTERS EMBO JOURNAL**
Beaucage, S. L., Miller, C. A., Cohen, S. N.
1991; 10 (9): 2583-2588
- **THE RATE OF PROCESSING AND DEGRADATION OF ANTISENSE RNAI REGULATES THE REPLICATION OF COIE1-TYPE PLASMIDS INVIVO CELL**
LINCHAO, S., Cohen, S. N.
1991; 65 (7): 1233-1242
- **EFFECTS OF TRANSLATION ON DEGRADATION OF MESSENGER-RNA SEGMENTS TRANSCRIBED FROM THE POLYCISTRONIC PUF OPERON OF RHODOBACTER-CAPSULATUS JOURNAL OF BACTERIOLOGY**
Klug, G., Cohen, S. N.
1991; 173 (4): 1478-1484
- **REPLICATION TIMING OF DNA-SEQUENCES ASSOCIATED WITH HUMAN CENTROMERES AND TELOMERES MOLECULAR AND CELLULAR BIOLOGY**
TENHAGEN, K. G., Gilbert, D. M., WILLARD, H. F., Cohen, S. N.
1990; 10 (12): 6348-6355
- **COMBINED ACTIONS OF MULTIPLE HAIRPIN LOOP STRUCTURES AND SITES OF RATE-LIMITING ENDONUCLEOLYTIC CLEAVAGE DETERMINE DIFFERENTIAL DEGRADATION RATES OF INDIVIDUAL SEGMENTS WITHIN POLYCISTRONIC PUF OPERON MESSENGER-RNA JOURNAL OF BACTERIOLOGY**
Klug, G., Cohen, S. N.
1990; 172 (9): 5140-5146
- **EFFECTS ON THE FORMATION OF ANTENNA COMPLEX-B870 OF RHODOBACTER-CAPSULATUS BY EXCHANGE OF CHARGED AMINO-ACIDS IN THE N-TERMINAL DOMAIN OF THE ALPHA-PIGMENT-BINDING AND BETA-PIGMENT-BINDING PROTEINS BIOCHEMISTRY**
DORGE, B., Klug, G., GADON, N., Cohen, S. N., Drews, G.
1990; 29 (33): 7754-7758
- **POSITION EFFECTS ON THE TIMING OF REPLICATION OF CHROMOSOMALLY INTEGRATED SIMIAN VIRUS-40 MOLECULES IN CHINESE HAMSTER-CELLS MOLECULAR AND CELLULAR BIOLOGY**
Gilbert, D. M., Cohen, S. N.
1990; 10 (8): 4345-4355
- **ISOLATION AND CHARACTERIZATION OF RHODOBACTER-CAPSULATUS MUTANTS DEFECTIVE IN OXYGEN REGULATION OF THE PUF OPERON JOURNAL OF BACTERIOLOGY**
Narro, M. L., Adams, C. W., Cohen, S. N.
1990; 172 (8): 4549-4554
- **ROLE OF DNA SUPERHELICITY IN PARTITIONING OF THE PSC101 PLASMID CELL**
Miller, C. A., Beaucage, S. L., Cohen, S. N.
1990; 62 (1): 127-133
- **MUTATIONAL AND FUNCTIONAL-ANALYSIS OF THE KORA AND KORB GENE-PRODUCTS OF STREPTOMYCES PLASMID PIJ101 MOLECULAR & GENERAL GENETICS**
Stein, D. S., Cohen, S. N.
1990; 222 (2-3): 337-344
- **Degradation of puf mRNA in Rhodobacter capsulatus and its role in the regulation of gene expression Post-Transcriptional Control of Gene Expression**
Klug, G., Cohen, S. N.
edited by McCarthy, J. E., Tuite, M. F.
Springer-Verlag.1990; Vol. H 49: 13-20
- **Rapid two-stage PCR amplification of chromosomal DNA segments in lysates made from monolayer cultures attached to microcarrier beads Gene**

- Lin-Chao, S., Brenner, D. G., Cohen, S. N.
1990; 93 (2): 293-296
- **Rate-limiting endonucleolytic cleavage of the 2.7 kb puf mRNA of Rhodobacter capsulatus is influenced by oxygen** *Molecular Biology of Membrane-Bound Complexes in Phototrophic Bacteria*
Klug, G., Cohen, S. N.
edited by Drews, G., Dawes, E. A.
Plenum Press.1990: 123–127
 - **INITIATION OF PRO-OPIOMELANOCORTIN MESSENGER-RNA FROM A NORMALLY QUIESCENT PROMOTER IN A HUMAN SMALL CELL LUNG-CANCER CELL-LINE GENE**
Chang, A. C., Israel, A., Gazdar, A., Cohen, S. N.
1989; 84 (1): 115-126
 - **IDENTIFICATION AND ANALYSIS OF TRANSCRIPTIONAL REGULATORY SIGNALS FOR THE KIL AND KOR LOCI OF STREPTOMYCES PLASMID PIJ101** *JOURNAL OF BACTERIOLOGY*
Stein, D. S., KENDALL, K. J., Cohen, S. N.
1989; 171 (11): 5768-5775
 - **ANALYSIS OF MAMMALIAN-CELL GENETIC-REGULATION INSITU BY USING RETROVIRUS-DERIVED PORTABLE EXONS CARRYING THE ESCHERICHIA-COLI LACZ GENE** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Brenner, D. G., Chao, S. L., Cohen, S. N.
1989; 86 (14): 5517-5521
 - **IDENTIFICATION AND CHARACTERIZATION OF A LOCUS INHIBITING EXTRACHROMOSOMAL MAINTENANCE OF THE STREPTOMYCES PLASMID SLP1** *MOLECULAR AND GENERAL GENETICS*
Grant, S. R., Lee, S. C., Kendall, K., Cohen, S. N.
1989; 217 (2-3): 324-331
 - **INVOLVEMENT OF INTEGRATION HOST FACTOR (IHF) IN MAINTENANCE OF PLASMID PSC101 IN ESCHERICHIA-COLI - MUTATIONS IN THE TOPA GENE ALLOW PSC101 REPLICATION IN THE ABSENCE OF IHF** *JOURNAL OF BACTERIOLOGY*
Biek, D. P., Cohen, S. N.
1989; 171 (4): 2066-2074
 - **A CLONED REGULATORY GENE OF STREPTOMYCES-LIVIDANS CAN SUPPRESS THE PIGMENT DEFICIENCY PHENOTYPE OF DIFFERENT DEVELOPMENTAL MUTANTS** *JOURNAL OF BACTERIOLOGY*
Stein, D., Cohen, S. N.
1989; 171 (4): 2258-2261
 - **INVOLVEMENT OF INTEGRATION HOST FACTOR (IHF) IN MAINTENANCE OF PLASMID PSC101 IN ESCHERICHIA-COLI - CHARACTERIZATION OF PSC101 MUTANTS THAT REPLICATE IN THE ABSENCE OF IHF** *JOURNAL OF BACTERIOLOGY*
Biek, D. P., Cohen, S. N.
1989; 171 (4): 2056-2065
 - **STRUCTURAL AND FUNCTIONAL-ANALYSIS OF TRANSCRIPTIONAL CONTROL OF THE RHODOBACTER-CAPSULATUS PUF OPERON** *JOURNAL OF BACTERIOLOGY*
Adams, C. W., Forrest, M. E., Cohen, S. N., Beatty, J. T.
1989; 171 (1): 473-482
 - **SLP1: A paradigm for plasmids that site-specifically integrate in the actinomycetes** *Mobile DNA*
Omer, C. A., Cohen, S. N.
edited by Berg, D., Howe, M.
American Society for Microbiology.1989: 289–296
 - **TU elements and puppy sequences** *Mobile DNA*
Hoffman-Liebermann, B., Liebermann, D., Cohen, S. N.
edited by Berg, D., Howe, M.
American Society for Microbiology.1989: 575–592
 - **ANALYSIS OF RECOMBINATION OCCURRING AT SLP1 ATT SITES** *JOURNAL OF BACTERIOLOGY*
Lee, S. C., Omer, C. A., Brasch, M. A., Cohen, S. N.

1988; 170 (12): 5806-5813

• **PLEIOTROPIC EFFECTS OF LOCALIZED RHODOBACTER-CAPSULATUS-PUF OPERON DELETIONS ON PRODUCTION OF LIGHT-ABSORBING PIGMENT-PROTEIN COMPLEXES JOURNAL OF BACTERIOLOGY**

Klug, G., Cohen, S. N.

1988; 170 (12): 5814-5821

• **COMPLETE NUCLEOTIDE-SEQUENCE OF THE STREPTOMYCES-LIVIDANS PLASMID pIJ101 AND CORRELATION OF THE SEQUENCE WITH GENETIC PROPERTIES JOURNAL OF BACTERIOLOGY**

KENDALL, K. J., Cohen, S. N.

1988; 170 (10): 4634-4651

• **SITE-SPECIFIC INSERTION OF BIOLOGICALLY FUNCTIONAL ADVENTITIOUS GENES INTO THE STREPTOMYCES-LIVIDANS CHROMOSOME JOURNAL OF BACTERIOLOGY**

Omer, C. A., Stein, D., Cohen, S. N.

1988; 170 (5): 2174-2184

• **AN INTERCISTRONIC STEM-LOOP STRUCTURE FUNCTIONS AS AN MESSENGER-RNA DECAY TERMINATOR NECESSARY BUT INSUFFICIENT FOR PUF MESSENGER-RNA STABILITY CELL**

Chen, C. Y., Beatty, J. T., Cohen, S. N., Belasco, J. G.

1988; 52 (4): 609-619

• **SLP1 genes and sites involved in integration of the element into the genome Streptomyces lividans Seventh International Symposium on Biology of Actinomycetes**

Lee, S. C., Grant, S. R., Cohen, S. N.

edited by Okami, Y., Beppu, T., Ogawara, H.

1988: 123-126

• **Recombinant DNA methodology Biochemistry**

Cohen, S. N., Zubay, G.

edited by Zubay, G.

Macmillan Publishing Company. 1988: 1088-1119

• **Stable inheritance of bacterial plasmids: Practical considerations in the release of organisms into the environment Environmental Biotechnology: Reducing Risks from Environmental Chemicals through Biotechnology**

Cohen, S. N., Miller, C. A., Beaucage, S., Biek, D. P.

edited by Omenn, G. S.

Plenum Press. 1988: 97-104

• **Transfer functions, promoters and sequence analysis of the Streptomyces plasmid pIJ101 International Symposium on Biology of Actinomycetes**

Kendall, K. J., Stein, D. S., Cohen, S. N.

edited by Okami, Y., Beppu, T., Ogawara, H.

1988: 52-57

• **BIOLOGICAL CONSEQUENCES OF SEGMENTAL ALTERATIONS IN MESSENGER-RNA STABILITY - EFFECTS OF DELETION OF THE INTERCISTRONIC HAIRPIN LOOP REGION OF THE RHODOBACTER-CAPSULATUS-PUF OPERON EMBO JOURNAL**

Klug, G., Adams, C. W., Belasco, J., DOERGE, B., Cohen, S. N.

1987; 6 (11): 3515-3520

• **PLASMID TRANSFER IN STREPTOMYCES-LIVIDANS - IDENTIFICATION OF A KIL-KOR SYSTEM ASSOCIATED WITH THE TRANSFER REGION OF pIJ101 JOURNAL OF BACTERIOLOGY**

KENDALL, K. J., Cohen, S. N.

1987; 169 (9): 4177-4183

• **BOVINE PAPILLOMA-VIRUS PLASMIDS REPLICATE RANDOMLY IN MOUSE FIBROBLASTS THROUGHOUT S-PHASE OF THE CELL-CYCLE CELL**

Gilbert, D. M., Cohen, S. N.

1987; 50 (1): 59-68

• **EFFECT OF PREMATURE TERMINATION OF TRANSLATION ON MESSENGER-RNA STABILITY DEPENDS ON THE SITE OF RIBOSOME RELEASE PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA**

- Nilsson, G., Belasco, J. G., Cohen, S. N., VONGABAIN, A.
1987; 84 (14): 4890-4894
- **HUMAN HOMOLOGS OF TU TRANSPOSON SEQUENCES - POLYPURINE POLYPYRIMIDINE SEQUENCE ELEMENTS THAT CAN ALTER DNA CONFORMATION INVITRO AND INVIVO** *MOLECULAR AND CELLULAR BIOLOGY*
HOFFMANLIEBERMANN, B., Liebermann, D., Troutt, A., Kedes, L. H., Cohen, S. N.
1986; 6 (11): 3632-3642
 - **IDENTIFICATION AND CHARACTERIZATION OF RECD, A GENE AFFECTING PLASMID MAINTENANCE AND RECOMBINATION IN ESCHERICHIA-COLI** *JOURNAL OF BACTERIOLOGY*
Biek, D. P., Cohen, S. N.
1986; 167 (2): 594-603
 - **THE STABILITY OF ESCHERICHIA-COLI GENE TRANSCRIPTS IS DEPENDENT ON DETERMINANTS LOCALIZED TO SPECIFIC MESSENGER-RNA SEGMENTS** *CELL*
Belasco, J. G., Nilsson, G., VONGABAIN, A., Cohen, S. N.
1986; 46 (2): 245-251
 - **STRUCTURAL-ANALYSIS OF PLASMID AND CHROMOSOMAL LOCI INVOLVED IN SITE-SPECIFIC EXCISION AND INTEGRATION OF THE SLP1 ELEMENT OF STREPTOMYCES-COELICOLOR** *JOURNAL OF BACTERIOLOGY*
Omer, C. A., Cohen, S. N.
1986; 166 (3): 999-1006
 - **SEQUENCE OF THE CDNA-ENCODING PORCINE PROOPiomelanocortin** *BIOCHIMICA ET BIOPHYSICA ACTA*
GOSSARD, F. J., Chang, A. C., Cohen, S. N.
1986; 866 (1): 68-74
 - **SEQUENCES FROM SEA-URCHIN TU TRANSPOSONS ARE CONSERVED AMONG MULTIPLE EUKARYOTIC SPECIES, INCLUDING HUMANS** *MOLECULAR AND CELLULAR BIOLOGY*
Liebermann, D., HOFFMANLIEBERMANN, B., Troutt, A. B., Kedes, L., Cohen, S. N.
1986; 6 (1): 218-226
 - **Chromosomal and extrachromosomal functions that affect plasmid stability in E. coli** *Antibiotic Resistance Genes: Ecology, Transfer and Expression*
Cohen, S. N., Biek, D. P., Miller, C. A.
edited by Levy, S. B., Novick, R. P.
Cold Spring Harbor Laboratory Press. 1986: 247-261
 - **NUCLEOTIDE-SEQUENCES ENCODING AND PROMOTING EXPRESSION OF 3 ANTIBIOTIC-RESISTANCE GENES INDIGENOUS TO STREPTOMYCES** *MOLECULAR & GENERAL GENETICS*
Bibb, M. J., Bibb, M. J., Ward, J. M., Cohen, S. N.
1985; 199 (1): 26-36
 - **Partitioning of the pSC101 plasmid during cell division.** *Basic life sciences*
Cohen, S. N., Miller, C. A., Tucker, W. T., Meacock, P. A., Gustafsson, P.
1985; 30: 383-395
 - **HORMONALLY MEDIATED NEGATIVE REGULATION OF HUMAN PRO-OPIOMELANOCORTIN GENE-EXPRESSION AFTER TRANSFECTION INTO MOUSE L-CELLS** *MOLECULAR AND CELLULAR BIOLOGY*
Israel, A., Cohen, S. N.
1985; 5 (9): 2443-2453
 - **TU ELEMENTS - A HETEROGENEOUS FAMILY OF MODULARLY STRUCTURED EUKARYOTIC TRANSPOSONS** *MOLECULAR AND CELLULAR BIOLOGY*
HOFFMANLIEBERMANN, B., Liebermann, D., Kedes, L. H., Cohen, S. N.
1985; 5 (5): 991-1001
 - **STREPTOMYCES CONTAIN ESCHERICHIA-COLI-TYPE-A + T-RICH PROMOTERS HAVING NOVEL STRUCTURAL FEATURES** *GENE*
JAURIN, B., Cohen, S. N.
1985; 39 (2-3): 191-201

- **DIFFERENTIAL EXPRESSION OF PHOTOSYNTHESIS GENES IN R-CAPSULATA RESULTS FROM SEGMENTAL DIFFERENCES IN STABILITY WITHIN THE POLYCISTRONIC RXCA TRANSCRIPT CELL**
Belasco, J. G., Beatty, J. T., Adams, C. W., VONGABAIN, A., Cohen, S. N.
1985; 40 (1): 171-181
- **EFFECTS OF ALTERATIONS IN THE TRANSLATION CONTROL REGION ON BACTERIAL GENE-EXPRESSION - USE OF CAT GENE CONSTRUCTS TRANSCRIBED FROM THE LAC PROMOTER AS A MODEL SYSTEM GENE**
Schottel, J. L., Sninsky, J. J., Cohen, S. N.
1984; 28 (2): 177-193
- **PLASMID FORMATION IN STREPTOMYCES - EXCISION AND INTEGRATION OF THE SLP1 REPLICON AT A SPECIFIC CHROMOSOMAL SITE MOLECULAR AND GENERAL GENETICS**
Omer, C. A., Cohen, S. N.
1984; 196 (3): 429-438
- **GROWTH-RATE DEPENDENT REGULATION OF MESSENGER-RNA STABILITY IN ESCHERICHIA-COLI NATURE**
Nilsson, G., Belasco, J. G., Cohen, S. N., VONGABAIN, A.
1984; 312 (5989): 75-77
- **STREPTOMYCES-LIVIDANS RNA-POLYMERASE RECOGNIZES AND USES ESCHERICHIA-COLI TRANSCRIPTIONAL SIGNALS GENE**
JAURIN, B., Cohen, S. N.
1984; 28 (1): 83-91
- **STRUCTURAL AND FUNCTIONAL-ANALYSIS OF THE PAR REGION OF THE PSC101-PLASMID CELL**
Tucker, W. T., Miller, C. A., Cohen, S. N.
1984; 38 (1): 191-201
- **HOLLOW-FIBER MEMBRANE BIOREACTORS USING IMMOBILIZED ESCHERICHIA-COLI FOR PROTEIN-SYNTHESIS BIOTECHNOLOGY AND BIOENGINEERING**
INLOES, D. S., Smith, W. J., Taylor, D. P., Cohen, S. N., Michaels, A. S., Robertson, C. R.
1983; 25 (11): 2653-2681
- **USE OF SYNTHETIC OLIGONUCLEOTIDE PROBES COMPLEMENTARY TO GENES FOR HUMAN HLA-DR ALPHA AND BETA AS EXTENSION PRIMERS FOR THE ISOLATION OF 5'-SPECIFIC GENOMIC CLONES PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES**
Das, H. K., Biro, P. A., Cohen, S. N., Erlich, H. A., VONGABAIN, A., Lawrence, S. K., Lemaux, P. G., McDevitt, H. O., Peterlin, B. M., Schulz, M. F., Sood, A. K., Weissman, S. M.
1983; 80 (6): 1531-1535
- **ETHANOL-PRODUCTION BY SACCHAROMYCES-CEREVISIAE IMMOBILIZED IN HOLLOW-FIBER MEMBRANE BIOREACTORS APPLIED AND ENVIRONMENTAL MICROBIOLOGY**
INLOES, D. S., Taylor, D. P., Cohen, S. N., Michaels, A. S., Robertson, C. R.
1983; 46 (1): 264-278
- **A DNA POLYMORPHISM IN CLOSE PHYSICAL LINKAGE WITH THE PROOPiomelanocortin GENE AMERICAN JOURNAL OF HUMAN GENETICS**
Feder, J., Migone, N., Chang, A. C., Cochet, M., Cohen, S. N., Cann, H., CAVALLISFORZA, L. L.
1983; 35 (6): 1090-1096
- **ALIGNMENT OF GENETIC AND RESTRICTION MAPS OF THE PHOTOSYNTHESIS REGION OF THE RHODOPSEUDOMONAS-CAPSULATA CHROMOSOME BY A CONJUGATION-MEDIATED MARKER RESCUE TECHNIQUE JOURNAL OF BACTERIOLOGY**
Taylor, D. P., Cohen, S. N., Clark, W. G., Marrs, B. L.
1983; 154 (2): 580-590
- **NUCLEOTIDE-SEQUENCE OF THE PARTITION LOCUS OF ESCHERICHIA-COLI PLASMID PSC101 GENE**
Miller, C. A., Tucker, W. T., Meacock, P. A., Gustafsson, P., Cohen, S. N.
1983; 24 (2-3): 309-315
- **HYBRIDIZATION OF CLONED RHODOPSEUDOMONAS-CAPSULATA PHOTOSYNTHESIS GENES WITH DNA FROM OTHER PHOTOSYNTHETIC BACTERIA JOURNAL OF BACTERIOLOGY**
Beatty, J. T., Cohen, S. N.

1983; 154 (3): 1440-1445

- **DECAY OF MESSENGER-RNA IN ESCHERICHIA-COLI - INVESTIGATION OF THE FATE OF SPECIFIC SEGMENTS OF TRANSCRIPTS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES*
VONGABAIN, A., Belasco, J. G., Schottel, J. L., Chang, A. C., Cohen, S. N.

1983; 80 (3): 653-657

- **AN UNUSUAL TRANSPOSON WITH LONG TERMINAL INVERTED REPEATS IN THE SEA-URCHIN STRONGYLOCENTROTUS-PURPURATUS** *NATURE*

Liebermann, D., HOFFMANLIEBERMANN, B., Weingthal, J., Childs, G., Maxson, R., Mauron, A., Cohen, S. N., Kedes, L.
1983; 306 (5941): 342-347

- **AMINO-TERMINAL SEQUENCE OF THE Tn3 TRANSPOSON PROTEIN** *JOURNAL OF BACTERIOLOGY*

Ditto, M. D., Chou, J., Hunkapiller, M. W., Fennewald, M. A., GERRARD, S. P., HOOD, L. E., Cohen, S. N., CASADABAN, M. J.
1982; 149 (1): 407-410

- **OVERPRODUCTION OF THE Tn3 TRANSPOSITION PROTEIN AND ITS ROLE IN DNA TRANSPOSITION** *CELL*

CASADABAN, M. J., Chou, J., Cohen, S. N.
1982; 28 (2): 345-354

- **GENE-EXPRESSION IN STREPTOMYCES - CONSTRUCTION AND APPLICATION OF PROMOTER-PROBE PLASMID VECTORS IN STREPTOMYCES-LIVIDANS** *MOLECULAR AND GENERAL GENETICS*

Bibb, M. J., Cohen, S. N.
1982; 187 (2): 265-277

- **SPECIALIZED CLONING VECTORS FOR HEPATITIS-B VIRUS GENE-EXPRESSION IN ESCHERICHIA-COLI** *HEPATOLOGY*

Sninsky, J. J., Cohen, S. N.
1982; 2 (2): S72-S78

- **CHARACTERIZATION OF THE STRUCTURAL GENE AND PUTATIVE 5'-REGULATORY SEQUENCES FOR HUMAN PROOPIOMELANOCORTIN** *NATURE*

Cochet, M., Chang, A. C., Cohen, S. N.
1982; 297 (5864): 335-339

- **EXCISION OF CHROMOSOMAL DNA-SEQUENCES FROM STREPTOMYCES-COELICOLOR FORMS A NOVEL FAMILY OF PLASMIDS DETECTABLE IN STREPTOMYCES-LIVIDANS** *MOLECULAR AND GENERAL GENETICS*

Bibb, M. J., Ward, J. M., Kieser, T., Cohen, S. N., Hopwood, D. A.
1981; 184 (2): 230-240

- **CLONING AND ANALYSIS OF STRONG PROMOTERS IS MADE POSSIBLE BY THE DOWNSTREAM PLACEMENT OF A RNA TERMINATION SIGNAL** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES*

Gentz, R., Langner, A., Chang, A. C., Cohen, S. N., Bujard, H.
1981; 78 (8): 4936-4940

- **CONSTRUCTION AND CHARACTERIZATION OF A NOVEL 2-PLASMID SYSTEM FOR ACCOMPLISHING TEMPERATURE-REGULATED, AMPLIFIED EXPRESSION OF CLONED ADVENTITIOUS GENES IN ESCHERICHIA-COLI GENE**

Sninsky, J. J., Uhlin, B. E., Gustafsson, P., Cohen, S. N.
1981; 16 (1-3): 275-286

- **CLONING AND EXPRESSION IN STREPTOMYCES-LIVIDANS OF ANTIBIOTIC-RESISTANCE GENES DERIVED FROM ESCHERICHIA-COLI** *JOURNAL OF BACTERIOLOGY*

Schottel, J. L., Bibb, M. J., Cohen, S. N.
1981; 146 (1): 360-368

- **Tn3: transposition and control.** *Cold Spring Harbor symposia on quantitative biology*

CASADABAN, M. J., Chou, J., LEMAUX, P., Tu, C. P., Cohen, S. N.
1981; 45: 269-273

- **The transplantation and manipulation of genes in microorganisms.** *Harvey lectures*

Cohen, S. N.

1980; 74: 173-204

● **3'-END LABELING OF DNA WITH [ALPHA-P-32]CORDYCEPIN-5'-TRIPHOSPHATE GENE**

TU, C. P., Cohen, S. N.

1980; 10 (2): 177-183

● **TN3 - TRANSPOSITION AND CONTROL COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY**

CASADABAN, M. J., Chou, J., LEMAUX, P., TU, C. P., Cohen, S. N.

1980; 45: 269-273

● **TRANSLOCATION SPECIFICITY OF THE TN3 ELEMENT - CHARACTERIZATION OF SITES OF MULTIPLE INSERTIONS CELL**

TU, C. P., Cohen, S. N.

1980; 19 (1): 151-160

● **STRUCTURAL ORGANIZATION OF HUMAN GENOMIC DNA ENCODING THE PRO-OPIOMELANOCORTIN PEPTIDE PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES**

Chang, A. C., Cochet, M., Cohen, S. N.

1980; 77 (8): 4890-4894

● **STRUCTURE AND GENOMIC ORGANIZATION OF THE MOUSE DIHYDROFOLATE-REDUCTASE GENE CELL**

Nunberg, J. H., Kaufman, R. J., Chang, A. C., Cohen, S. N., SCHIMKE, R. T.

1980; 19 (2): 355-364

● **INVITRO GENE FUSIONS THAT JOIN AN ENZYMATICALLY ACTIVE BETA-GALACTOSIDASE SEGMENT TO AMINO-TERMINAL FRAGMENTS OF EXOGENOUS PROTEINS - ESCHERICHIA-COLI PLASMID VECTORS FOR THE DETECTION AND CLONING OF TRANSLATIONAL INITIATION SIGNALS JOURNAL OF BACTERIOLOGY**

CASADABAN, M. J., Chou, J., Cohen, S. N.

1980; 143 (2): 971-980

● **INITIATION OF PROTEIN-SYNTHESIS IN BACTERIA AT A TRANSLATIONAL START CODON OF MAMMALIAN CDNA - EFFECTS OF THE PRECEDING NUCLEOTIDE-SEQUENCE PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA-BIOLOGICAL SCIENCES**

Chang, A. C., Erlich, H. A., Gunsalus, R. P., Nunberg, J. H., Kaufman, R. J., SCHIMKE, R. T., Cohen, S. N.

1980; 77 (3): 1442-1446

● **Studies of cloned DNA encoding the structure for the bovine corticotropin-beta-lipotropin precursor protein. Annals of the New York Academy of Sciences**

Cohen, S. N., Chang, A. C., Nakanishi, S., Inoue, A., KITA, T., Nakamura, M., Numa, S.

1980; 343: 415-424

● **TRANSPOSSABLE GENETIC ELEMENTS SCIENTIFIC AMERICAN**

Cohen, S. N., Shapiro, J. A.

1980; 242 (2): 40-49

● **A DNA CLONING SYSTEM FOR INTERSPECIES GENE-TRANSFER IN ANTIBIOTIC-PRODUCING STREPTOMYCES NATURE**

Bibb, M., Schottel, J. L., Cohen, S. N.

1980; 284 (5756): 526-531

● **F-PLASMID PROVIDES A FUNCTION THAT PROMOTES RECA-INDEPENDENT SITE-SPECIFIC FUSIONS OF PSC101 REPLICON NATURE**

Miller, C. A., Cohen, S. N.

1980; 285 (5766): 577-579

● **PARTITIONING OF BACTERIAL PLASMIDS DURING CELL-DIVISION - A CIS-ACTING LOCUS THAT ACCOMPLISHES STABLE PLASMID INHERITANCE CELL**

Meacock, P. A., Cohen, S. N.

1980; 20 (2): 529-542

● **EFFECT OF DNA-SEQUENCES ADJACENT TO THE TERMINI OF TN3 ON SEQUENTIAL TRANSLOCATION MOLECULAR & GENERAL GENETICS**

TU, C. P., Cohen, S. N.

1980; 177 (4): 597-601

- ANALYSIS OF GENE-CONTROL SIGNALS BY DNA-FUSION AND CLONING IN ESCHERICHIA-COLI *JOURNAL OF MOLECULAR BIOLOGY*
CASADABAN, M. J., Cohen, S. N.
1980; 138 (2): 179-207
- Filter affinity transfer. A new technique for the *in situ* identification of proteins in gels. *Journal of biological chemistry*
Erlich, H. A., Levinson, J. R., Cohen, S. N., McDevitt, H. O.
1979; 254 (23): 12240-12247
- LACTOSE GENES FUSED TO EXOGENOUS PROMOTERS IN ONE-STEP USING A MU-LAC BACTERIOPHAGE - INVIVO PROBE FOR TRANSCRIPTIONAL CONTROL SEQUENCES *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
CASADABAN, M. J., Cohen, S. N.
1979; 76 (9): 4530-4533
- EFFECT OF TEMPERATURE ON TRANSLOCATION FREQUENCY OF THE TN3 ELEMENT *JOURNAL OF BACTERIOLOGY*
Kretschmer, P. J., Cohen, S. N.
1979; 139 (2): 515-519
- CLONING AND ENDONUCLEASE MAPPING OF THE HEPATITIS-B VIRAL GENOME *NATURE*
Sninsky, J. J., Siddiqui, A., Robinson, W. S., Cohen, S. N.
1979; 279 (5711): 346-348
- STRUCTURAL AND FUNCTIONAL-ANALYSIS OF CLONED DNA SEGMENTS CONTAINING THE REPLICATION AND INCOMPATIBILITY REGIONS OF A MINI-PLASMID DERIVED FROM A COPY NUMBER MUTANT OF NR1 *JOURNAL OF BACTERIOLOGY*
Taylor, D. P., Cohen, S. N.
1979; 137 (1): 92-104
- Immunological detection and characterization of products translated from cloned DNA fragments. *Methods in enzymology*
Erlich, H. A., Cohen, S. N., McDevitt, H. O.
1979; 68: 443-453
- NUCLEOTIDE-SEQUENCE OF CLONED CDNA FOR BOVINE CORTICOTROPIN-BETA-LIPOTROPIN PRECURSOR *NATURE*
Nakanishi, S., Inoue, A., KITA, T., Nakamura, M., Chang, A. C., Cohen, S. N., Numa, S.
1979; 278 (5703): 423-427
- HIGH-FREQUENCY TRANSFORMATION OF BACILLUS-SUBTILIS PROTOPLASTS BY PLASMID DNA *MOLECULAR & GENERAL GENETICS*
Chang, S., Cohen, S. N.
1979; 168 (1): 111-115
- COMPUTER-BASED SYSTEM FOR ADVERSE DRUG REACTION DETECTION AND PREVENTION *AMERICAN JOURNAL OF HOSPITAL PHARMACY*
Tatro, D. S., Moore, T. N., Cohen, S. N.
1979; 36 (2): 198-201
- IDENTIFICATION AND CHARACTERIZATION OF A SELF-REGULATED REPRESSOR OF TRANSLOCATION OF THE TN3 ELEMENT *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Chou, J., CASADABAN, M. J., Lemaux, P. G., Cohen, S. N.
1979; 76 (8): 4020-4024
- TRANSPOSITION PROTEIN OF TN3 - IDENTIFICATION AND CHARACTERIZATION OF AN ESSENTIAL REPRESSOR-CONTROLLED GENE-PRODUCT *NATURE*
Chou, J., Lemaux, P. G., CASADABAN, M. J., Cohen, S. N.
1979; 282 (5741): 801-806
- STUDIES OF THE SPECIFICITY AND CONTROL OF TRANSPOSITION OF THE TN3 ELEMENT *COLD SPRING HARBOR SYMPOSIA ON QUANTITATIVE BIOLOGY*
Cohen, S. N., CASADABAN, M. J., Chou, J., TU, C. P.
1979; 43: 1247-1255
- FILTER AFFINITY TRANSFER - NEW TECHNIQUE FOR THE INSITU IDENTIFICATION OF PROTEINS IN GELS *JOURNAL OF BIOLOGICAL CHEMISTRY*
Erlich, H. A., Levinson, J. R., Cohen, S. N., McDevitt, H. O.

1979; 254 (23): 2240-2247

• **EVALUATING PERFORMANCE OF A COMPUTER-BASED CONSULTANT COMPUTER PROGRAMS IN BIOMEDICINE**

Yu, V. L., Buchanan, B. G., Shortliffe, E. H., WRAITH, S. M., Davis, R., Scott, A. C., Cohen, S. N.
1979; 9 (1): 95-102

• **ANTI-MICROBIAL SELECTION BY A COMPUTER - BLINDED EVALUATION BY INFECTIOUS-DISEASES EXPERTS JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION**

Yu, V. L., Fagan, L. M., WRAITH, S. M., Clancey, W. J., Scott, A. C., Hannigan, J., BLUM, R. L., Buchanan, B. G., Cohen, S. N.
1979; 242 (12): 1279-1282

• **GENETIC-ANALYSIS OF THE INTERRELATIONSHIP BETWEEN PLASMID REPLICATION AND INCOMPATIBILITY MOLECULAR & GENERAL GENETICS**

Meacock, P. A., Cohen, S. N.
1979; 174 (2): 135-147

• **CONSTRUCTION AND CHARACTERIZATION OF AMPLIFIABLE MULTICOPY DNA CLONING VEHICLES DERIVED FROM P15A CRYPTIC MINIPLASMID JOURNAL OF BACTERIOLOGY**

Chang, A. C., Cohen, S. N.
1978; 134 (3): 1141-1156

• **INSTABILITY OF PLASMID DNA SEQUENCES - MACRO AND MICRO EVOLUTION OF ANTIBIOTIC-RESISTANCE PLASMID R6-5 MOLECULAR & GENERAL GENETICS**

Timmis, K. N., Cabello, F., Andres, I., Nordheim, A., BURKHARDT, H. J., Cohen, S. N.
1978; 167 (1): 11-19

• **SENSITIVE RADIOIMMUNOASSAY FOR DETECTING PRODUCTS TRANSLATED FROM CLONED DNA FRAGMENTS CELL**

Erlich, H. A., Cohen, S. N., McDevitt, H. O.
1978; 13 (4): 681-689

• **PHENOTYPIC EXPRESSION IN ESCHERICHIA-COLI OF A DNA-SEQUENCE CODING FOR MOUSE DIHYDROFOLATE-REDUCTASE NATURE**

Chang, A. C., Nunberg, J. H., Kaufman, R. J., Erlich, H. A., SCHIMKE, R. T., Cohen, S. N.
1978; 275 (5681): 617-624

• **PHENOTYPICALLY CRYPTIC ECORI ENDONUCLEASE ACTIVITY SPECIFIED BY COLE1 PLASMID PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA**

Miller, C. A., Cohen, S. N.
1978; 75 (3): 1265-1269

• **CLONING AND CHARACTERIZATION OF ECORI AND HINDIII RESTRICTION ENDONUCLEASE-GENERATED FRAGMENTS OF ANTIBIOTIC-RESISTANCE PLASMIDS R6-5 AND R6 MOLECULAR & GENERAL GENETICS**

Timmis, K. N., Cabello, F., Cohen, S. N.
1978; 162 (2): 121-137

• **CONSTRUCTION OF BACTERIAL PLASMIDS THAT CONTAIN THE NUCLEOTIDE-SEQUENCE FOR BOVINE CORTICOTROPIN-BETA-LIPOPOTROPIN PRECURSOR PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA**

Nakanishi, S., Inoue, A., KITA, T., Numa, S., Chang, A. C., Cohen, S. N., Nunberg, J., SCHIMKE, R. T.
1978; 75 (12): 6021-6025

• **SELECTED TRANSLOCATION OF PLASMID GENES - FREQUENCY AND REGIONAL SPECIFICITY OF TRANSLOCATION OF TN3 ELEMENT JOURNAL OF BACTERIOLOGY**

Kretschmer, P. J., Cohen, S. N.
1977; 130 (2): 888-899

• **Genetic recombination through protoplast fusion in Streptomyces Nature**

Hopwood, D., Wright, H., Bibb, M., Cohen, S.
1977; 268: 171-174

• **SITE-SPECIFIC DNA DELETIONS OCCURRING ADJACENT TO TERMINI OF A TRANSPOSABLE AMPICILLIN RESISTANCE ELEMENT (TN3) JOURNAL OF MOLECULAR BIOLOGY**

Nisen, P. D., Kopecko, D. J., Chou, J., Cohen, S. N.

1977; 117 (4): 975-998

● **RECOMBINANT DNA - FACT AND FICTION WESTERN JOURNAL OF MEDICINE**

Cohen, S. N.

1977; 126 (5): 415-420

● **INVIVO SITE-SPECIFIC GENETIC-RECOMBINATION PROMOTED BY ECORI RESTRICTION ENDONUCLEASE PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA**

Chang, S., Cohen, S. N.

1977; 74 (11): 4811-4815

● **REVISED INTERPRETATION OF ORIGIN OF PSC101 PLASMID JOURNAL OF BACTERIOLOGY**

Cohen, S. N., Chang, A. C.

1977; 132 (2): 734-737

● **RECOMBINANT DNA - FACT AND FICTION SCIENCE**

Cohen, S. N.

1977; 195 (4279): 654-657

● **RECEPTIVITY OF PHYSICIANS IN A TEACHING HOSPITAL TO A COMPUTERIZED DRUG INTERACTION MONITORING AND REPORTING SYSTEM MEDICAL CARE**

Morrell, J., PODLONE, M., Cohen, S. N.

1977; 15 (1): 68-78

● **REPLICATION REGION FRAGMENTS CLONED FROM FLAC+ ARE IDENTICAL TO ECORI FRAGMENT F5 OF F JOURNAL OF BACTERIOLOGY**

Skurray, R. A., Guyer, M. S., Timmis, K., Cabello, F., Cohen, S. N., Davidson, N., Clark, A. J.

1976; 127 (3): 1571-1575

● **COVALENTLY CLOSED CIRCULAR DNA-MOLECULES OF LOW SUPERHELIX DENSITY AS INTERMEDIATE FORMS IN PLASMID REPLICATION NATURE**

Timmis, K., Cabello, F., Cohen, S. N.

1976; 261 (5560): 512-516

● **UNIFORM NOMENCLATURE FOR BACTERIAL PLASMIDS - PROPOSAL BACTERIOLOGICAL REVIEWS**

Novick, R. P., CLOWES, R. C., Cohen, S. N., CURTISS, R., Datta, N., FALKOW, S.

1976; 40 (1): 168-189

● **GENE MANIPULATION NEW ENGLAND JOURNAL OF MEDICINE**

Cohen, S. N.

1976; 294 (16): 883-889

● **REPLICATION CONTROL IN A COMPOSITE PLASMID CONSTRUCTED BY INVITRO LINKAGE OF 2 DISTINCT REPLICONS NATURE**

Cabello, F., Timmis, K., Cohen, S. N.

1976; 259 (5541): 285-290

● **INVOLVEMENT OF MULTIPLE TRANSLOCATING DNA SEGMENTS AND RECOMBINATIONAL HOTSPOTS IN STRUCTURAL EVOLUTION OF BACTERIAL PLASMIDS JOURNAL OF MOLECULAR BIOLOGY**

Kopecko, D. J., Brevet, J., Cohen, S. N.

1976; 108 (2): 333-360

● **STRUCTURAL EVOLUTION OF BACTERIAL PLASMIDS - ROLE OF TRANSLOCATING GENETIC ELEMENTS AND DNA-SEQUENCE INSERTIONS FEDERATION PROCEEDINGS**

Cohen, S. N., Kopecko, D. J.

1976; 35 (9): 2031-2036

● **COMPUTERIZED CONSULTATION SYSTEM FOR SELECTION OF ANTIMICROBIAL THERAPY AMERICAN JOURNAL OF HOSPITAL PHARMACY**

WRAITH, S. M., AIKINS, J. S., Buchanan, B. G., Clancey, W. J., Davis, R., Fagan, L. M., Hannigan, J. F., Scott, A. C., Shortliffe, E. H., VANMELLE, W. J., Yu, V. L., AXLINE, S. G., Cohen, et al

1976; 33 (12): 1304-1308

- **TRANSPOSABLE GENETIC ELEMENTS AND PLASMID EVOLUTION** *NATURE*
Cohen, S. N.
1976; 263 (5580): 731-738
- **The manipulation of genes.** *Scientific American*
Cohen, S. N.
1975; 233 (1): 25-33
- **ORGANIZATION OF SEA-URCHIN HISTONE GENES** *CELL*
Kedes, L. H., Cohn, R. H., Lowry, J. C., Chang, A. C., Cohen, S. N.
1975; 6 (3): 359-369
- **SITE-SPECIFIC RECA-INDEPENDENT RECOMBINATION BETWEEN BACTERIAL PLASMID - INVOLVEMENT OF PALINDROMES AT RECOMBINATIONAL LOCI** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Kopecko, D. J., Cohen, S. N.
1975; 72 (4): 1373-1377
- **ONLINE DRUG INTERACTION SURVEILLANCE** *AMERICAN JOURNAL OF HOSPITAL PHARMACY*
Tatro, D. S., BRIGGS, R. L., CHAVEZPARDO, R., FEINBERG, L. S., Hannigan, J. F., Moore, T. N., Cohen, S. N.
1975; 32 (4): 417-420
- **Detection and prevention of drug interactions utilizing an on-line computer system.** *Drug information journal*
Tatro, D. S., BRIGGS, R. L., Chavez-Pardo, R., FEINBERG, L. S., Hannigan, J. F., Moore, T. N., Cohen, S. N.
1975; 9 (1): 10-17
- **COMPUTER-BASED CONSULTATIONS IN CLINICAL THERAPEUTICS - EXPLANATION AND RULE ACQUISITION CAPABILITIES OF MYCIN SYSTEM** *COMPUTERS AND BIOMEDICAL RESEARCH*
Shortliffe, E. H., Davis, R., AXLINE, S. G., Buchanan, B. G., Green, C. C., Cohen, S. N.
1975; 8 (4): 303-320
- **CLONING, ISOLATION, AND CHARACTERIZATION OF REPLICATION REGIONS OF COMPLEX PLASMID GENOMES** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Timmis, K., Cabello, F., Cohen, S. N.
1975; 72 (6): 2242-2246
- **ALPHA BETA SEQUENCE OF F IS IS3** *JOURNAL OF BACTERIOLOGY*
Hu, S., PTASHNE, K., Cohen, S. N., Davidson, N.
1975; 123 (2): 687-692
- **ISOLATION OF HISTONE GENES FROM UNFRACTIONATED SEA-URCHIN DNA BY SUBCULTURE CLONING IN ESCHERICHIA-COLI** *NATURE*
Kedes, L. H., Chang, A. C., HOUSEMAN, D., Cohen, S. N.
1975; 255 (5509): 533-538
- **INDIRECT SELECTION OF BACTERIAL PLASMIDS LACKING IDENTIFIABLE PHENOTYPIC PROPERTIES** *JOURNAL OF BACTERIOLOGY*
Kretschmer, P. J., Chang, A. C., Cohen, S. N.
1975; 124 (1): 225-231
- **OCCURRENCE OF INSERTION SEQUENCE (IS) REGIONS ON PLASMID DEOXYRIBONUCLEIC-ACID AS DIRECT AND INVERTED NUCLEOTIDE-SEQUENCE DUPLICATIONS** *JOURNAL OF BACTERIOLOGY*
PTASHNE, K., Cohen, S. N.
1975; 122 (2): 776-781
- **STUDIES OF MOUSE MITOCHONDRIAL-DNA IN ESCHERICHIA-COLI - STRUCTURE AND FUNCTION OF EUKARYOTIC-PROCARYOTIC CHIMERIC PLASMIDS** *CELL*
Chang, A. C., LANSMAN, R. A., Clayton, D. A., Cohen, S. N.
1975; 6 (2): 231-244
- **Letter: Potential biohazards of recombinant DNA molecules.** *Science*
Berg, P., Baltimore, D., BOYER, H. W., Cohen, S. N., Davis, R. W., Hogness, D. S., Nathans, D., Roblin, R., Watson, J. D., Weissman, S., ZINDER, N. D.

1974; 185 (4148): 303

• **UTILIZATION OF 2 DISTINCT MODES OF REPLICATION BY A HYBRID PLASMID CONSTRUCTED INVITRO FROM SEPARATE REPLICONS PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA**

Timmis, K., Cabello, F., Cohen, S. N.

1974; 71 (11): 4556-4560

• **Effects of lambda development on template specificity of Escherichia coli RNA polymerase Biochimica et Biophysica Acta**

Brown, A., Cohen, S. N.

1974; 335: 123-138

• **Computerization of drug interaction data for a community pharmacy Journal of Clinical Computing**

Hansten, P. D., Sasich, L., Briggs, R. L., Cohen, S. N.

1974; 3: 270-275

• **REPLICATION AND TRANSCRIPTION OF EUKARYOTIC DNA IN ESCHERICHIA-COLI PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA**

Morrow, J. F., Cohen, S. N., Chang, A. C., BOYER, H. W., Goodman, H. M., Helling, R. B.

1974; 71 (5): 1743-1747

• **GENOME CONSTRUCTION BETWEEN BACTERIAL SPECIES INVITRO - REPLICATION AND EXPRESSION OF STAPHYLOCOCCUS PLASMID GENES IN ESCHERICHIA-COLI PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA**

Chang, A. C., Cohen, S. N.

1974; 71 (4): 1030-1034

• **METHOD FOR SELECTIVE CLONING OF EUKARYOTIC DNA FRAGMENTS IN ESCHERICHIA-COLI BY REPEATED TRANSFORMATION MOLECULAR & GENERAL GENETICS**

Cohen, S. N., Chang, A. C.

1974; 134 (2): 133-141

• **TRANSFORMATION OF SALMONELLA-TYPHIMURIUM BY PLASMID DEOXYRIBONUCLEIC-ACID JOURNAL OF BACTERIOLOGY**

LEDERBER, E. M., Cohen, S. N.

1974; 119 (3): 1072-1074

• **ARYL-HYDROCARBON HYDROXYLASE INDUCTION IN MOUSE PERITONEAL MACROPHAGES AND BLOOD-DERIVED HUMAN MACROPHAGES PROCEEDINGS OF THE SOCIETY FOR EXPERIMENTAL BIOLOGY AND MEDICINE**

PTASHNE, K., Brothers, L., AXLINE, S. G., Cohen, S. N.

1974; 146 (2): 585-589

• **An artificial intelligence program to advise physicians regarding antimicrobial therapy. Computers and biomedical research, an international journal**

Shortliffe, E. H., AXLINE, S. G., Buchanan, B. G., Merigan, T. C., Cohen, S. N.

1973; 6 (6): 544-560

• **RECIRCULARIZATION AND AUTONOMOUS REPLICATION OF A SHEARED R-FACTOR DNA SEGMENT IN ESCHERICHIA-COLI TRANSFORMANTS - (PLASMID-TRANSFORMATION-ANTIBIOTIC RESISTANCE DNA) PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA**

Cohen, S. N., Chang, A. C.

1973; 70 (5): 1293-1297

• **BACTERIAL PLASMIDS SCIENCE**

HELINSKI, D. R., COHEN, S. N., TOMOEDA, M.

1973; 181 (4098): 471-72

• **Prolongation of morphine anaesthesia in a patient with Gilbert's disease: report of a case Canadian Anaesthetists' Society Journal**

Nishimura, T. G., Jackson, S. H., Cohen, S. N.

1973; 20: 709-712

• **Molecular and genetic studies of an R factor system consisting of independent transfer and drug resistance plasmids Journal of Bacteriology**

van Embden, J., Cohen, S. N.

1973; 116: 699-709

- **CONSTRUCTION OF BIOLOGICALLY FUNCTIONAL BACTERIAL PLASMIDS IN-VITRO** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Cohen, S. N., Chang, A. C., BOYER, H. W., Helling, R. B.
1973; 70 (11): 3240-3244
- **ELECTRON-MICROSCOPE HETERODUPLEX STUDIES OF SEQUENCE RELATIONS AMONG PLASMIDS OF ESCHERICHIA-COLI .2. STRUCTURE OF DRUG-RESISTANCE (R) FACTORS AND F FACTORS** *JOURNAL OF MOLECULAR BIOLOGY*
Sharp, P. A., Cohen, S. N., Davidson, N.
1973; 75 (2): 235-55
- **LACK OF SPECIFIC INHIBITION OF VACCINIA PLAQUE-FORMATION BY BACTERIOPHAGE-LAMBDA PRODUCTS** *INFECTION AND IMMUNITY*
Brown, A., Cohen, S. N.
1973; 7 (6): 862-864
- **Nonchromosomal antibiotic resistance in bacteria. V. Isolation and characterization of R factor mutants exhibiting temperature-sensitive repression of fertility.** *Journal of bacteriology*
Silver, R. P., Cohen, S. N.
1972; 110 (3): 1082-8
- **NONCHROMOSOMAL ANTIBIOTIC RESISTANCE IN BACTERIA - GENETIC TRANSFORMATION OF ESCHERICHIA-COLI BY R-FACTOR DNA** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Cohen, S. N., Chang, A. C., Hsu, L.
1972; 69 (8): 2110-14
- **A computer-based system for prospective detection and prevention of drug interactions** *Drug Information Journal*
Cohen, S. N., Armstrong, M. F., Crouse, L., Hunn, G. S.
1972; 72: 81-86
- **Isolation of catenated forms of R factor DNA from minicells.** *Nature: New biology*
Cohen, S. N., Silver, R. P., McCoubrey, A. E.
1971; 231 (25): 249-52
- **The problems of drug-resistant pathogenic bacteria. Studies on the molecular nature of R factors.** *Annals of the New York Academy of Sciences*
Cohen, S. N., Silver, R. P., Sharp, P. A., McCoubrey, A. E.
1971; 182: 172-87
- **GENETIC EXPRESSION IN BACTERIOPHAGE LAMBDA .4. EFFECTS OF P2 PROPHAGE ON LAMBDA INHIBITION OF HOST SYNTHESIS AND LAMBDA GENE EXPRESSION** *VIROLOGY*
Cohen, S. N., Chang, A. C.
1971; 46 (2): 397-406
- **FURTHER STUDIES ON SYNTHESIS OF RNA IN-VITRO BY ENZYME-TEMPLATE COMPLEXES ISOLATED FROM INDUCED LAMBDA-LYSOGENS** *JOURNAL OF MOLECULAR BIOLOGY*
Cohen, S. N., Hurwitz, J.
1971; 58 (2): 635-39
- **NON-CHROMOSOMAL ANTIBIOTIC RESISTANCE IN BACTERIA .2. MOLECULAR NATURE OF R-FACTORS ISOLATED FROM PROTEUS-MIRABILIS AND ESCHERICHIA-COLI** *JOURNAL OF MOLECULAR BIOLOGY*
Cohen, S. N., Miller, C. A.
1970; 50 (3): 671-87
- **GENETIC EXPRESSION IN BACTERIOPHAGE-LAMBDA .3. INHIBITION OF ESCHERICHIA-COLI NUCLEIC ACID AND PROTEIN SYNTHESIS DURING LAMBDA DEVELOPMENT** *JOURNAL OF MOLECULAR BIOLOGY*
Cohen, S. N., Chang, A. C.
1970; 49 (3): 557-75
- **NON-CHROMOSOMAL ANTIBIOTIC RESISTANCE IN BACTERIA .3. ISOLATION OF DISCRETE TRANSFER UNIT OF R-FACTOR-R1** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
Cohen, S. N., Miller, C. A.
1970; 67 (2): 510-16

- **MULTIPLE MOLECULAR SPECIES OF CIRCULAR R-FACTOR DNA ISOLATED FROM ESCHERICHIA-COLI NATURE**
Cohen, S. N., Miller, C. A.
1969; 224 (5226): 1273–77
- **GENETIC TRANSCRIPTION IN BACTERIOPHAGE LAMBDA -LSTUDIES OF LAMBDA mRNA SYNTHESIS IN VIVO JOURNAL OF MOLECULAR BIOLOGY**
Cohen, S. N., Hurwitz, J.
1968; 37 (3): 387–406
- **Specificity of in vitro initiation and synthesis of RNA. Proceedings. Canadian Cancer Conference**
Maitra, U., Cohen, S. N., Hurwitz, J.
1967; 7: 113-132
- **TRANSCRIPTION OF COMPLEMENTARY STRANDS OF PHAGE LAMBDADNA IN VIVO AND IN VITRO PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA**
Cohen, S. N., Hurwitz, J.
1967; 57 (6): 1759–66
- **ROLE OF DNA IN RNA SYNTHESIS .11. SELECTIVE TRANSCRIPTION OF LAMBDA DNA SEGMENTS IN VITRO BY RNA POLYMERASE OF ESCHERICHIA COLI JOURNAL OF MOLECULAR BIOLOGY**
Cohen, S. N., Maitra, U., Hurwitz, J.
1967; 26 (1): 19–38
- **Investigations of the possible relation of ferrihemic acid to drug resistance in Plasmodium berghei. Experimental parasitology**
PHIFER, K. O., Yielding, K. L., Cohen, S. N.
1966; 19 (1): 101-109
- **SPECIFICITY OF INITIATION AND SYNTHESIS OF RNA FROM DNA TEMPLATES**
Maitra, U., Cohen, S. N., Hurwitz, J.
COLD SPRING HARBOR LAB PRESS.1966: 113–22
- **INVESTIGATIONS OF POSSIBLE RELATION OF FERRIHEMIC ACID TO DRUG RESISTANCE IN PLASMODIUM BERGHEI EXPERIMENTAL PARASITOLOGY**
PHIFER, K. O., Yielding, K. L., Cohen, S. N.
1966; 19 (1): 102
- **SPECTROPHOTOMETRIC STUDIES OF INTERACTION OF CHLOROQUINE WITH DEOXYRIBONUCLEIC ACID JOURNAL OF BIOLOGICAL CHEMISTRY**
Cohen, S. N., Yielding, K. L.
1965; 240 (7): 3123–31
- **INHIBITION OF DNA AND RNA POLYMERASE REACTIONS BY CHLOROQUINE PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA**
Cohen, S. N., Yielding, K. L.
1965; 54 (2): 521–27
- **OBSERVATIONS ON HISTONE/DNA RATIO OF IMMATURE RABBIT UTERUS FOLLOWING ADMINISTRATION OF ESTROGEN BIOCHIMICA ET BIOPHYSICA ACTA**
Cohen, S. N., Yielding, K. L., SPICER, S. S.
1964; 87 (3): 511–14
- **COMPLEX FORMATION BETWEEN CHLOROQUINE + FERRIHAEMIC ACID IN VITRO + ITS EFFECT ON ANTIMALARIAL ACTION OF CHLOROQUINE NATURE**
Cohen, S. N., PHIFER, K. O., Yielding, K. L.
1964; 202 (493): 805–6
- **COMPARISON OF AUTOLOGOUS, HOMOLOGOUS, AND HETEROLOGOUS NORMAL SKIN GRAFTS IN HAMSTER CHEEK POUCH PROCEEDINGS OF THE SOCIETY FOR EXPERIMENTAL BIOLOGY AND MEDICINE**
Cohen, S. N.
1961; 106 (4): 677-80