



County of Santa Cruz

0069

BOARD OF SUPERVISORS

701 OCEAN STREET, SUITE 500, SANTA CRUZ, CA 95060-4069
(831) 454-2200 FAX: (831) 454-3262 TDD: (831) 454-2123

JANET K. BEAUTZ
FIRST DISTRICT

WALTER J. SYMONS
SECOND DISTRICT

MARDI WORMHOUDT
THIRD DISTRICT

TONY CAMPOS
FOURTH DISTRICT

JEFF ALMQUIST
FIFTH DISTRICT

AGENDA: 9/28/99

September 20, 1999

BOARD OF SUPERVISORS
County of Santa Cruz
701 Ocean Street
Santa Cruz, CA 95060

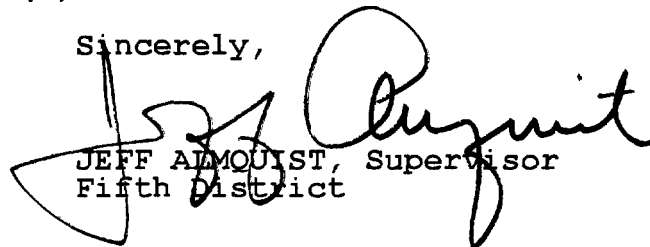
RE: AT-LARGE APPOINTMENT TO THE HAZARDOUS MATERIALS
ADVISORY COMMISSION (IN THE CATEGORY OF
CHEMISTRY OR CHEMICAL ENGINEERING)

Dear Members of the Board:

I recommend the appointment of the following person to the Hazardous Materials Advisory Commission, in the category of "Chemistry or Chemical Engineering," in accordance with County Code Chapter 2.92, Section 30, for a term to expire April 1, 2003:

Steven R. Tronick, Ph.D.
131 Stoneybrook Way
Santa Cruz, CA 95060
427-1155 (H)
457-3800 (B)

Sincerely,


JEFF ALMQUIST, Supervisor
Fifth District

JA:ted

cc: Steven R. Tronick
Hazardous Materials Advisory Commission

1624A6

APPLICATION FOR APPOINTMENT TO A COUNTY ADVISORY BODY

RECEIVED

SEP 08 1999

ENVIRONMENTAL
HEALTH SERVICES

INSTRUCTIONS

If you are interested in serving on a County Advisory Body please complete the following application and return it to the Board of Supervisors, 701 Ocean St., Room 500, Santa Cruz, California. If you are interested in being considered for more than one advisory body a separate application should be submitted for each appointment you are seeking.

Upon receipt, your application for appointment will be routed to each Board member and then filed for further consideration by Board members when there is a vacancy on the advisory body. If a Supervisor is interested in nominating you for appointment, the Supervisor will contact you and discuss the appointment, the appointment process, and requirements for the advisory body in question.

Please specify below the Commission/Committee or Board to which you are seeking appointment and provide the requested information.

Thank you for your interest in County Government.

COMMISSION, COMMITTEE or BOARD

HAZARDOUS MATERIALS ADVISORY COMMITTEE
(CHEMIST)

Name

STEVEN R. TRONICK, Ph.D.

Address

131 Stoneybrook way

SANTA CRUZ, CA 95060-2329

Phone

(Home)

831-427-1155

(Business)

831-457-3800

Supervisory District

S RD

Length of Residence in Area

4 YRS. 9 MOS.

Age

(Optional)

Circle one:

Under 21

21-30

31-40

Over 40

PREVIOUS COMMISSION OR COMMITTEE SERVED (Please specify)

Advisory Body

Term

NONE

EDUCATION

0071

<u>Institution</u>	<u>Major</u>	<u>Degree</u>	<u>Year</u>
UCLA	BACTERIOLOGY	BA	'66
UCLA	MICROBIOLOGY	Ph.D.	'69

WORK/VOLUNTEER EXPERIENCE

<u>Organization</u>	<u>Address</u>	<u>Position</u>	<u>Year</u>
NATIONAL CANCER INSTITUTE	BETHESDA, MD	RESEARCH MICROBIOLOGIST	1972-1994
SANTA CRUZ BIOTECHNOLOGY, INC	SANTA CRUZ, CA	DIRECTOR, R & D	1994 - PRESENT

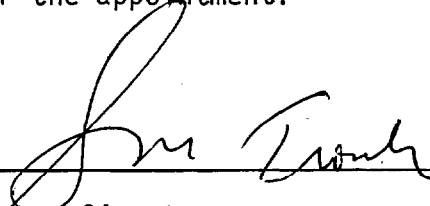
STATEMENT OF QUALIFICATIONS

Please attach a brief statement indicating why you are interested in serving on the advisory body in question and why you are qualified for the appointment.

PLEASE SEE LETTER TO MR. ALM ON 5/7

CERTIFICATION

I certify that the above information is true and correct and I authorize the verification of the information in the application in the event I am a finalist for the appointment.



 Signature

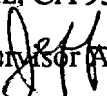
9/2/99

 Date



Friday, August 27, 1999

Jeff Almquist
Fifth District Supervisor
Santa Cruz County Board of Supervisors
701 Ocean Street, Room 500
Santa Cruz, CA 95060


Dear  Supervisor Almquist:

As suggested by Steve Schneider, Santa Cruz County's Hazardous Materials Program Manager, I am writing to apply for a position on the Santa Cruz County Hazardous Materials Advisory Commission. After discussing the Commission's functions with Steve, I believe that I am well qualified to serve as a member. I would consider it an honor and privilege to help insure the health and safety of the citizens of Santa Cruz County.

As Director, Research and Development at Santa Cruz Biotechnology, I act as the Company's Safety Officer and am in charge of our programs for the safe handling and disposal of hazardous materials in accordance with local, regional, state and federal regulations. Prior to joining Santa Cruz Biotechnology, I conducted basic biomedical research for 25 years at the National Cancer Institute, National Institutes of Health where I served as a Laboratory Chief, Deputy Laboratory Chief and Section Chief. In all of these positions I was responsible for the safe conduct of activities involving hazardous chemicals, radioactive isotopes, controlled substances, biohazardous agents and recombinant DNA.

To help familiarize you further with my qualifications I have enclosed my curriculum vitae for your consideration. Please contact me should you require any additional information.

Best Regards,


Steven R. Tronick, Ph.D.
Director, Research and Development

August 27, 1999

CURRICULUM VITAE

STEVEN R. TRONICK, Ph.D.

Education:

1966 - B. A., University of California, Los Angeles (Bacteriology, Highest Honors)

1969 - Ph.D., University of California, Los Angeles (Microbiology)

Chronology of Employment:

- 1966-1969 - Predoctoral Fellow, National Institutes of Health, Bethesda, Maryland
- 1969-1971 - Postdoctoral Fellow, National Heart & Lung Institute, National Institutes of Health, Bethesda, Maryland
- 1971-1972 - Scientist, Meloy Laboratories, Springfield, Virginia
- 1972-1975 - Staff Fellow, National Cancer Institute, National Institutes of Health, Bethesda, Maryland
- 1975-1985 - Research Microbiologist, Laboratory of Cellular and Molecular Biology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland
- 1985 -1994 - Chief, Gene Structure Section, Laboratory of Cellular and Molecular Biology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland
- 1990-1994 - Deputy Chief, Laboratory of Cellular and Molecular Biology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland
- 1990-1993 - Consultant, Sterling-Winthrop, Inc.
- 1993-Present - Consultant, Millen, White, Zelano & Branigan, P.C., Falls Church, Virginia
- 1993-1994- Acting Chief, Molecular Biology Section, Laboratory of Cellular and Molecular Biology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland
- 1993 -1994 - Acting Chief, Laboratory of Cellular and Molecular Biology, National Cancer Institute, National Institutes of Health, Bethesda, Maryland
- 1994-Present - Director, Research and Development, Santa Cruz Biotechnology, Inc., Santa Cruz, California

Honors and Awards:

National Institutes of Health, Merit Award, 1990
National Institutes of Health, Director's Award, 1993

Committees, Review Panels:

Division of Cancer Etiology, National Cancer Institute, Tenure/Promotion Review, 1988-1990

Division of Cancer Etiology, National Cancer Institute, Contract/Program Review, 1988-1994

Division of Cancer Etiology, National Cancer Institute, AIDS Vaccine Task Force. 1989-1992

National Cancer Institute Information Processing Committee, 1991-1994

National Institute of Allergy and Infectious Diseases Special Emphasis Panel, 1995

Chair, Santa Cruz Biotechnology, Inc., Institutional Animal Care and Use Committee, 1996-present

Animal Health and Well-Being Programs, National Research Initiative, Competitive Grants Program, United States Department of Agriculture, 1998

Italian Association for Cancer Research (AIRC), 1995-present

BIBLIOGRAPHY

1. Martinez, R.J., Ichiki, A.T., Lundh, N.P., and Tronick, S.R.: A single amino acid substitution responsible for altered flagellar morphology. *J. Mol. Biol.* 34: 559-565, 1968.
2. Tronick, S.R. and Martinez, R.J.: The methylation of *Salmonella typhimurium* flagellin. *J. Bacteriol.* 105: 211-219, 1971.
3. Ross, J.R., Tronick, S.R., and Scolnick, E.M.: Polyadenylate rich RNA in the 70S RNA of murine leukemia-sarcoma viruses. *Virology* 49: 230-235, 1972.
4. Tronick, S.R., Scolnick, E.M., and Parks, W.P.: Reversible inactivation of the deoxyribonucleic acid polymerase of Rauscher leukemia virus. *J. Virol.* 10: 885-888, 1972.
5. Tronick, S.R., Stephenson, J.R., and Aaronson, S.A.: Immunological characterization of a low molecular weight polypeptide from murine leukemia virus. *Virology* 54: 199-206, 1973.
6. Tronick, S.R., Ciardi, J.E., and Stadtman, E.R.: Comparative biochemical and immunological studies of bacterial glutamine synthetases. *J. Bacteriol.* 115: 858-868, 1973.
7. Tronick, S.R., Stephenson, J.R., and Aaronson, S.A.: Comparative immunological studies of RNA C-type viruses: radioimmunoassay for a low molecular weight polypeptide of woolly monkey leukemia virus. *Virology* 57: 347-356, 1974.
8. Stephenson, J.R., Tronick, S.R., and Aaronson, S.A.: Analysis of type specific antigenic determinants of two structural polypeptides of mouse RNA C-type viruses. *Virology* 58: 1-8, 1974.
9. Stephenson, J.R., Tronick, S.R., Reynolds, R.K., and Aaronson, S.A.: Isolation and characterization of C-type viral gene products of virus negative mouse cells. *J. Exp. Med.* 139: 427-438, 1974.
10. Stephenson, J.R., Aaronson, S.A., Arnstein, P., Huebner, R.J., and Tronick, S.R.: Demonstration of two immunologically distinct xenotropic type C RNA viruses of mouse cells. *Virology* 61: 56-63, 1974.
11. Tronick, S.R., Stephenson, J.R., and Aaronson, S.A.: Immunological properties of two polypeptides of Mason-Pfizer monkey virus. *J. Virol.* 14: 125-132, 1974.

12. Stephenson, J.R., Anderson, G.R., Tronick, S.R., and Aaronson, S.A.: Evidence for genetic recombination between endogenous and exogenous mouse RNA type-C viruses. Cell 2: 87-94, 1974.
13. Stephenson, J.R., Tronick, S.R., and Aaronson, S.A.: Temperature-sensitive mutants of murine leukemia virus. IV. Further physiologic characterization and evidence for genetic recombination. J. Virol. 14: 918-923, 1974.
14. Stephenson, J.R., Tronick, S.R., and Aaronson, S.A.: Isolation from BALB/c mouse cells of a structural polypeptide of a third endogenous type C virus class. Cell 3: 347-353, 1974.
15. Tronick, S.R., Stephenson, J.R., Aaronson, S.A., and Kawakami, T.G.: Antigenic characterization of RNA type C viruses isolated from gibbon apes. J. Virol. 15: 115-120, 1974.
16. Stephenson, J.R., Reynolds, R.K., Tronick, S.R., and Aaronson, S.A.: Distribution of three classes of endogenous type C RNA viruses among inbred strains of mice. Virology 67: 404-414, 1975.
17. Tronick, S.R., Stephenson, J.R., Verma, I.M., and Aaronson, S.A.: A thermolabile reverse transcriptase of a mammalian leukemia virus mutant temperature sensitive in its replication and sarcoma virus helper functions. J. Virol. 16: 1476-1482, 1975.
18. Tronick, S.R., Stephenson, J.R., Verma, I.M., and Aaronson, S.A.: A thermolabile reverse transcriptase from a temperature-sensitive mutant of murine leukemia virus. In Goulian, M. and Hanawalt, P. (Eds.): ICN-UCLA Symp. on Molecular and Cellular Biology. DNA Synthesis and its Regulation, 3. Menlo Park, California, W. Benjamin, Inc., 1975, pp. 753-759.
19. Aaronson, S.A., Stephenson, J.R., Hino, S., and Tronick, S.R.: Differential expression of helper viral structural polypeptides in cells transformed by clonal isolates of woolly monkey sarcoma virus. J. Virol. 16: 1117-1123, 1975.
20. Ablashi, D.V., Oie, H.K., Armstrong, G.R., Didier-Fichet, M.L., Tronick, S.R., Heine, U., and Dalton, A.J.: Xenotropic properties of an isolate from murine Rauscher leukemia virus in primates. J. Med. Primatol. 5: 223-236, 1976.
21. Aaronson, S.A., Stephenson, J.R., Tronick, S.R., and Hino, S.: Immunological analysis of structural polypeptides of woolly monkey-gibbon ape type C viruses: woolly monkey sarcoma virus. In Clemmesen, J. and Yohn, D.S. (Eds.): Comparative Leukemia Research, Bibl. haemat., No. 43. Basel, Karger, 1976, pp. 102-109.

22. Aaronson, S.A., Tronick, S.R., and Stephenson, J.R.: Endogenous type C RNA virus of *Odocoileus hemionus*, a mammalian species of New World origin. Cell 9: 489-494, 1976.
23. Stephenson, J.R., Barbacid, M., Tronick, S.R., Hino, S., and Aaronson, S.A.: Proteins of type C RNA tumor viruses. In Gallo, R. (Ed.): Cancer Research: Cell Biology, Molecular Biology and Tumor Virology. Cleveland, Ohio, CRC Press, Inc., 1977, pp. 37-50.
24. Tronick, S.R., Golub, M.M., Stephenson, J.R., and Aaronson, S.A.: Distribution and expression in mammals of genes related to an endogenous type C RNA virus of *Odocoileus hemionus*. J. Virol. 23: 1-9, 1977.
25. Hino, S., Tronick, S.R., Heberling, R.L., Kalter, S.S., Hellman, A., and Aaronson, S.A.: Endogenous New World primate retrovirus: interspecies antigenic determinants shared with the major structural protein of type D RNA viruses of Old World monkeys. Proc. Natl. Acad. Sci. USA 74: 5734-5738, 1977.
26. Robbins, K.C., Okabe, H., Tronick, S.R., Gilden, R.V., and Aaronson, S.A.: Molecular mechanisms involved in the differential expression of *gag* gene products by clonal isolates of a primate sarcoma virus. J. Virol. 25: 471-478, 1978.
27. Aaronson, S.A., Barbacid, M., Hino, S., Tronick, S.R., and Krakower, J.M.: Common progenitors in the evolution of mammalian retroviruses: implications in the search for RNA tumor virus expression in man. In Bentvelzen, P., Hilgers, J. and Yohn, D.S. (Eds.): Advances in Comparative Leukemia Research 1977. Amsterdam/New York, Elsevier/North Holland Biomedical Press, 1978, pp. 127-134.
28. Barbacid, M., Tronick, S.R., and Aaronson, S.A.: Isolation and characterization of an endogenous type C RNA virus of mink (MvLu) cells. J. Virol. 25: 129-137, 1978.
29. Tronick, S.R., Cabradilla, C.D., Aaronson, S.A., and Haseltine, W.A.: 5'-terminal nucleotide sequences of mammalian type C helper viruses are conserved in the genomes of replication-defective mammalian transforming viruses. J. Virol. 26: 570-576, 1978.
30. Lai, M.T., Verma, I.M., Tronick, S.R., and Aaronson, S.A.: Mammalian retrovirus associated RNase H is virus-coded. J. Virol. 27: 823-825, 1978.
31. Aaronson, S.A., Krakower, J.M., Tronick, S.R., and Stephenson, J.R.: Immunologic approaches toward detection of type C viral expression in man. Arthritis and Rheumatism 21: S27-S45, 1978.

32. Krakower, J.M., Tronick, S.R., Gallagher, R.F., Gallo, R.C., and Aaronson, S.A.: Antigenic characterization of a new gibbon ape leukemia virus isolate: Seroepidemiologic assessment of an outbreak of gibbon leukemia. Int. J. Cancer 2: 715-720, 1978.
33. Andersen, P., Barbacid, M., Tronick, S.R., Clark, H.F., and Aaronson, S.A.: Evolutionary relatedness of viper and primate endogenous retroviruses. Science 204: 318-321, 1979.
34. Tronick, S.R., Robbins, K.C., Canaani, E., Devare, S.G., Andersen, P.R., and Aaronson, S.A.: Molecular cloning of Moloney murine sarcoma virus: Arrangement of virus-related sequences within the normal mouse genome, Proc. Natl. Acad. Sci. USA 76: 6314-6318, 1979.
35. Dahlberg, J.E., Tronick, S.R., and Aaronson, S.A.: Immunologic relationships of an endogenous guinea pig retrovirus with prototype mammalian type B and type D retroviruses. J. Virol. 33: 522-530, 1980.
36. Canaani, E., Tronick, S.R., Robbins, K.C., Andersen, P.R., and Aaronson, S.A.: Cellular origin of the transforming gene of Moloney murine sarcoma virus. Cold Spring Harbor Symp. Quant. Biol. 64: 727-734, 1980.
37. Reddy, E.P., Smith, M.J., Canaani, E., Robbins, K.C., Tronick, S.R., Zain, S., and Aaronson, S.A.: Nucleotide sequence analysis of the transforming region and large terminal redundancies of Moloney murine sarcoma virus. Proc. Natl. Acad. Sci. USA 77: 5234-5238, 1980.
38. Andersen, P.R., Devare, S.G., Tronick, S.R., Ellis, R.W., Aaronson, S.A., and Scolnick, E.M.: Generation of BALB-MuSV and Ha-MuSV by type C virus transduction of homologous transforming genes from different species. Cell 26: 129-134, 1981.
39. Andersen, P.R., Tronick, S.R., and Aaronson, S.A.: Structural organization and biological activity of molecular clones of the integrated genome of a BALB/c mouse sarcoma virus (BALB-MSV). J. Virol. 40: 431-439, 1981
40. Eva, A., Robbins, K.C., Andersen, P.R., Srinivasan, A., Tronick, S.R., Reddy, E.P., Ellmore, N.W., Galen, A.T., Lautenberger, J.A., Papas, T.S., Westin, E.H., Wong-Staal, F., Gallo, R.C., and Aaronson, S.A.: Cellular genes analogous to retroviral *onc* genes are transcribed in human tumor cells. Nature 295: 116-119, 1982.

41. Westin, E.H., Wong-Staal, F., Gelmann, E.P., Favera, R.C., Papas, T.S., Lautenberger, J.A., Eva, A., Reddy, E.P., Tronick, S.R., Aaronson, S.A., and Gallo, R.C.: Expression of cellular homologs of retroviral *onc* genes in human hematopoietic cells. Proc. Natl. Acad. Sci. USA 79: 2490-2494, 1982.
42. Devare, S.G., Reddy, E.P., Robbins, K.C., Andersen, P.R., Tronick, S.R., and Aaronson, S.A.: Nucleotide sequence of the transforming gene of simian sarcoma virus. Proc. Natl. Acad. Sci. USA 79: 3179-3182, 1982.
43. Eva, A., Robbins, K.C., Andersen, P.R., Srinivasan, A., Tronick, S.R., Reddy, E.P., Ellmore, N.W., Galen, A.T., Lautenberger, J.A., Papas, T.S., Westin, E.W., Wong-Staal, F., Gallo, R.C., and Aaronson, S.A.: Transcription of retrovirus *onc* gene and analogues in human solid tumor cells. In Yohn, D.S., and Blakeslee, J.R. (Eds.): Advances in Comparative Leukemia Research 1981. New York/Amsterdam, Elsevier Biomedical, 1982, pp. 381-382
44. Westin, E., Wong-Staal, F., Gelmann, E., Baluda, M., Papas, T., Eva, A., Reddy, E.P., Tronick, S.R., Aaronson, S.A., and Gallo, R.C.: Expression of the *abl*, *myc* and *amv* genes in human hematopoietic cells. In Yohn, D.S., and Blakeslee, J.R. (Eds.): Advances in Comparative Leukemia Research 1981. New York/Amsterdam, Elsevier Biomedical, 1982, pp. 405-406.
45. Santos, E., Tronick, S.R., Aaronson, S.A., Pulciani, S., and Barbacid, M.: The T24 human bladder carcinoma oncogene is an activated form of the normal human homologue of BALB- and Harvey-MSV transforming genes. Nature 298: 343-347, 1982.
46. Prakash, K., McBride, O.W., Swan, D.C., Devare, S.G., Tronick, S.R., and Aaronson, S.A.: Molecular cloning and chromosomal mapping of a human locus related to the transforming gene of Moloney murine sarcoma virus. Proc. Natl. Acad. Sci. USA 79: 5210-5214, 1982.
47. McBride, O.W., Swan, D.C., Santos, E., Barbacid, M., Tronick, S.R., and Aaronson, S.A.: Localization of the normal allele of T24 human bladder carcinoma oncogene to chromosome 11. Nature 300: 773-774, 1982.
48. Callahan, R., Drohan, W., Tronick, S.R., and Schlom, J.: Detection and cloning of human DNA sequences related to the mouse mammary tumor virus genome. Proc. Natl. Acad. Sci. USA 79: 5503-5517, 1982.
49. Taub, R., Kirsch, I., Morton, C., Lenoir, G., Swan, D., Tronick, S.R., Aaronson, S.A., and Leder, P.: Translocation of the c-myc gene into the immunoglobulin heavy chain locus in human Burkitt lymphoma and murine plasmacytoma cells. Proc. Natl. Acad. Sci. USA 79: 7837-7841, 1982.

50. Eva, A., Tronick, S.R., Gol, R.A., Pierce, J.H., and Aaronson, S.A.: Transforming genes of human hematopoietic tumors: Frequent detection of ***ras*-related** oncogenes whose activation appears to be independent of tumor phenotype. Proc. Natl. Acad. Sci. USA 80: 4926-4930, 1983.
51. Aaronson, S.A., Reddy, E.P., Robbins, K.C., Devare, S.G., Swan, D.C., Pierce, J.H., and Tronick, S.R.: Retroviruses, *onc* genes and human cancer. In Harris, C.C., and Autrup, H.N. (Eds.): Human Carcinogenesis. New York, Academic Press, 1983, pp. 609-630.
52. McBride, O.W., Swan, D.C., Tronick, S.R., Gol, R., Klimanis, D., Moore, D.E., and Aaronson, S.A.: Regional chromosomal localization of ***N-ras***, ***K-ras-1***, ***K-ras-2*** and ***myb*** oncogenes in human cells. Nucleic Acids Res. 11: 8221-8236, 1983.
53. Chiu, I.M., Andersen, P.R., Aaronson, S.A., and Tronick, S.R.: Molecular cloning of unintegrated squirrel monkey retrovirus genome: Organization and distribution of related sequences in primate DNAs. J. Virol. 47: 434-441, 1983.
54. Naharro, G., Tronick, S., Rasheed, S., Gardner, M., Aaronson, S., and Robbins, K.: Molecular cloning of integrated Gardner-Rasheed feline sarcoma virus: Genetic structure of its cell-derived sequence differs from that of other tyrosine kinase coding *onc* genes. J. Virol. 47: 611-619, 1983.
55. Franchini, G., Wong-Staal, F., Baluda, M.A., Lengel, C., and Tronick, S.R.: Structural organization and expression of human DNA sequences related to the transforming gene of avian myeloblastosis virus. Proc. Natl. Acad. Sci. USA 80: 7385-7389, 1983.
56. Chiu, I.-M., Callahan, R., Tronick, S.R., Schlom, J., and Aaronson, S.A.: Major *pol* gene progenitors in the evolution of oncoviruses. Science 223: 364-370, 1984.
57. Yuasa, Y., Eva, A., Kraus, M.H., Srivastava, S.K., Needleman, S.W., Pierce, J.H., Rhim, J.S., Gol, R., Reddy, E.P., Tronick, S.R., and Aaronson, S.A.: *ras*-related oncogenes of human tumors. In: Vande Woude, G. F., Levine, A. J., Topp, W. C., and Watson, J. D. (Eds.): Cancer Cell 2/Oncogenes and Viral Genes. New York, Cold Spring Harbor Laboratory, 1984, pp. 433-439.
58. Chiu, I.-M., Reddy, E.P., Givol, D., Robbins, K.C., Tronick, S.R., and Aaronson, S.A.: Nucleotide sequence analysis identifies the human ***c-sis*** proto-oncogene as a structural gene for platelet-derived growth factor. Cell 37: 123-129, 1984.

59. Yuasa, Y., Gol, R.A., Chang, A., Reddy, E.P., Tronick, S.R., and Aaronson, S.A.: Mechanism of activation of an *N-ras* oncogene of SW-1271 human lung carcinoma cells. Proc. Natl. Acad. Sci. USA 81: 3670-3674, 1984.
60. Tronick, S.R. and Aaronson, S.A.: Unique interactions of retroviruses with eukaryotic cells. In: Oldstone, M.B.A. and Notkins, L.A. (Eds.): Concepts in Viral Pathogenesis. New York, Springer-Verlag, 1984, pp. 165-171.
61. Aaronson, S.A., Yuasa, Y., Robbins, K.C., Eva, A., Gol, R., and Tronick, S.R.: Oncogenes and the neoplastic process. In: Aaronson, S.A., Frati, L., and Verna, R. (Eds.): Genetic and Phenotypic Markers of Tumors. New York, Plenum Press, 1984, pp. 261-278
62. Gazit, A., Igarashi, H, Chiu, I.-M., Srinivasan, A., Yaniv, A., Tronick, S.R., Robbins, K.C., and Aaronson, S.A.: Expression of the normal human *sis*/PDGF-2 coding sequence induces cellular transformation. Cell 39: 89-97, 1984.
63. Tronick, S.R., Yuasa, Y., Robbins, K.C., Eva, A., Gol, R., and Aaronson, S. A.: Oncogene research: closing in on a better understanding of cancer causation. In: Selikoff, I.J., Teirstein, A.S. and Hirschman, S.Z. (Eds.): Acquired Immune Deficiency Syndrome. Annals of the New York Academy of Sciences, vol. 347. New York, the New York Academy of Sciences, 1984, pp. 150-160.
64. Aaronson, S.A. and Tronick, S.R.: The role of oncogenes in human neoplasia. In: De Vita, V., Hellman, S., and Rosenberg, S. (Eds.): Important Advances in Oncology 1985. Philadelphia, J.B. Lippincott Co, 1985, pp. 3-15
65. Aaronson, S.A., Robbins, K.C., and Tronick, S.R.: Human proto-oncogenes, growth factors, and cancer. In: Ford, R.J. and Maizel, A.L. (Eds.): Mediators in Cell Growth and Differentiation. New York, Raven Press, 1985, pp. 241-255.
66. Reddy, E.P., Lipman, D., Andersen, P.R., Tronick, S.R., and Aaronson, S.A.: Nucleotide sequence analysis of the BALB-C murine sarcoma virus transforming gene. J. Virol. 53: 984-987, 1985.
67. Aaronson, S.A., Tronick, S. R., and Robbins, K.C.: Oncogenes and pathways to malignancy. In: Boynton, A.L. and Leffert, H.L. (Eds.): Control of Animal Cell Proliferation, vol. 1. New York, Academic Press, 1985, pp. 3-24.
68. Callahan, R., Chiu, I.-M., Wong, J.F.H., Tronick, S.R., Roe, B.A., Aaronson, S.A., and Schlom, J.: A new class of endogenous human retroviral genomes. Science 228: 1208-1211, 1985.

69. Fujita, J., Srivastava, S.K., Kraus, M.H., Rhim, J.S., Tronick, S.R., and Aaronson, S.A.: Frequency of molecular alterations affecting *ras* proto-oncogenes in human urinary tract tumors. Proc. Natl. Acad. Sci. USA 82: 3849-3853, 1985.
70. Igarashi, H., Gazit, A., Chiu, I.-M., Srinivasan, A., Yaniv, A., Tronick, S.R., Robbins, K.C., and Aaronson, S.A.: Normal human *sis*/PDGF-2 gene expression induces cellular transformation. In: Feramisco, J., Ozanne, B., and Stiles, C. (Eds.): Cancer Cells 3/Growth Factors and Transformation. New York, Cold Spring Harbor Laboratories, 1985, pp. 159-166.
71. Igarashi, H., Gazit, A., Chiu, I.-M., Srinivasan, A., Yaniv, A., Tronick, S. R., Robbins, K. C., and Aaronson, S. A.: Expression of a normal growth factor gene causes morphologic transformation. In: Giraldo, E., Beth, E., Castello, G., Giordano, G.G., and Zarrilli, D. (Eds.): From Oncogenes to Tumor Antigens. Amsterdam, Elsevier, 1985, pp. 3-15.
72. Popescu, N. C., Amsbaugh, S. C., DiPaolo, J. A., Tronick, S. R., Aaronson, S. A., and Swan, D. C.: Chromosomal localization of three human *ras* genes by *in situ* molecular hybridization. Somatic Cell and Mol. Genet. 11: 149-155, 1985.
73. Yaniv, A., Dahlberg, J.E., Tronick, S.R., Chiu, I.-M., and Aaronson, S.A.: Molecular cloning of integrated caprine arthritis-encephalitis virus. Virology 145: 340-345, 1985.
74. Aaronson, S.A. and Tronick, S.R.: Transforming genes of human malignancies. In: Huberman, E. and Barr, S.H. (Eds.): The Role of Chemicals and Radiation in the Etiology of Cancer. Carcinogenesis: A Comprehensive Survey, vol. 10. New York, Raven Press, 1985, pp. 35-49.
75. Chiu, I.-M., Yaniv, A., Dahlberg, J.E., Gazit, A., Skuntz, S., Tronick, S.R., and Aaronson, S.A.: Nucleotide sequence evidence for relationship of AIDS retrovirus to lentiviruses. Nature 317: 366-368, 1985.
76. Robbins, K.C., Igarashi, H., Gazit, A., Chiu, I.-M., Tronick, S.R., and Aaronson, S.A.: Establishing the link between human **proto-oncogenes** and growth factors. In: Castellani, A. (Ed.): Epidemiology and Quantitation of Environmental Risk in Humans from Radiation and Other Agents. New York, Plenum Press, 1985, pp. 459-470.
77. Eva, A., Aaronson, S. A., and Tronick, S. R.: Transforming genes of human malignancies. In: Pullman, B. *et al.* (Eds.): Interrelationship Among Aging Cancer and Differentiation. Holland, D. Reidel Publishing Co., 1985, pp. 43-57.

78. Tronick, S.R., Popescu, N.C., Cheah, M.S.C., Swan, D.C., Amsbaugh, S.C., Lengel, C.R., DiPaolo, J.A., and Robbins, K.C.: Isolation and chromosomal localization of the human *fgf* proto-oncogene, a distinct member of the tyrosine kinase gene family. Proc. Natl. Acad. Sci. USA 82: 6595-6599, 1985.
79. Tronick, S.R., Eva, A., Srivastava, S. K., Kraus, M., Yuasa, Y., and Aaronson, S. A.: The role of human *ras* proto-oncogenes in cancer. In: Castellani, A. (Ed.): Epidemiology and Quantitation of Environmental Risk in Humans from Radiation and Other Agents. New York, Plenum Press, 1985, pp. 225-235.
80. Cheah, M.S.C., Ley, T.J., Tronick, S.R., and Robbins, K.C.: *fgf* proto-oncogene mRNA induced in B lymphocytes by Epstein-Barr virus infection. Nature . 319: 238-240, 1986.
81. Yuasa, Y., Reddy, E.P., Rhim, J.S., Tronick, S.R., and Aaronson, S.A.: Activated N-rus in a human rectal carcinoma cell line associated with clonal homozygosity in *myb* locus-restriction fragment polymorphism. Jpn. J. Cancer Res. (Gann) 77: 639-647, 1986.
82. Sherman, L., Gazit, A., Yaniv, A., Dahlberg, J.E., and Tronick, S.R.: Nucleotide sequence analysis of the long terminal repeat of integrated caprine arthritis encephalitis virus. Virus Res. 5: 145-155, 1986.
83. Yaniv, A., Dahlberg, J., Gazit, A., Sherman, L., Chiu, I.-M., Tronick, S. R., and Aaronson, S. A.: Molecular cloning and physical characterization of integrated equine infectious anemia virus: molecular and immunologic evidence of its close relationship to ovine and caprine lentiviruses. Virology 154: 1-8, 1986.
84. Tronick, S.R. and Aaronson, S.A.: Oncogenes, growth factors, and receptors. In: Notkins, A. and Oldstone, M. (Eds.): Concepts in Viral Pathogenesis 11. New York, Springer-Verlag, 1986, pp. 98-109.
85. Leal, F., Igarashi, H., Gazit, A., Williams, L.T., Notario, V., Tronick, S.R., Robbins, K.C., and Aaronson, S.A.: Mechanism of transformation by an oncogene coding for a normal growth factor. In: Harris, C.C. (Ed.): Biochemical and Molecular Epidemiology of Cancer. UCLA Symposia on Molecular and Cellular Biology. New York, Alan R. Liss, Inc., 1986, pp. 155-165.
86. Cheah, M.S.C., Ley, T.J., Tronick, S.R., and Robbins, K.C.: Induction of *fgf* proto-oncogene mRNA in B lymphocytes as a consequence of Epstein-Barr virus infection. Curr. Top. Microbiol. Immunol. 131: 237-245, 1986.

87. Kawakami, T., Sherman, L., Dahlberg, J., Gazit, A., Yaniv, A., Tronick, S.R., and Aaronson, S.A.: Nucleotide sequence analysis of equine infectious anemia virus proviral DNA. Virology 158: 300-312, 1987.
88. Eva, A., Srivastava, S., Vecchio, G., Ron, D., Tronick, S.R., and Aaronson, S. A.: *dbl*: A new transforming gene isolated from a human diffuse B-cell lymphoma. In: Cimino, F., Birkmayer, G.D., Klavins, J.V., Pimentel, E., and Salvatore, F. (Eds.): Human Tumor Markers. Berlin/New York, Walter De Gruyter & Co., 1987, pp. 83-92.
89. Eva, A., Vecchio, G., Diamond, M., Tronick, S.R., Ron, D., Cooper, G.M., and Aaronson, S.A.: Independently activated *dbl* oncogenes exhibit similar yet distinct structural alterations. Oncogene 1: 355-360, 1987.
90. Sherman, L., Gazit, A., Yaniv, A., Kawakami, T., Dahlberg, J.E., and Tronick, S.R.: Localization of sequences responsible for transactivation of the equine infectious anemia virus long terminal repeat. J. Virol. 62: 120-126, 1988.
91. Katamine, S., Notario, V., Rao, C.D., Miki, T., Cheah, M.S.C., Tronick, S.R., and Robbins, K.C.: Primary structure of the human *fgr* proto-oncogene product, p55c-*fgr*. Mol. Cell. Biol. 8: 259-266, 1988.
92. Eva, A., Vecchio, G., Rao, C.D., Tronick, S.R., and Aaronson, S.A.: The predicted DBL oncogene product defines a distinct class of transforming proteins. Proc. Natl. Acad. Sci. USA 85: 2061-2065, 1988.
93. Ron, D., Tronick, S.R., Aaronson, S.A., and Eva, A.: Molecular cloning and characterization of the human *dbl* proto-oncogene: evidence that its overexpression is sufficient to transform NIH/3T3 cells. EMBO J. 7: 2465-2473, 1988.
94. Tronick, S.R. and Aaronson, S.A.: Oncogenes, growth regulation and cancer. In: Advances in Second Messenger Phosphoprotein Research. New York, Raven Press, Ltd., 1988, pp. 201-215.
95. Lacal, J.C. and Tronick, S.R.: The *ras* oncogenes. In: Reddy, E.P., Skalka, A. and Curran, T. (Eds.): The Oncogene Handbook. New York, Elsevier, 1988.
96. Gak, E., Yaniv, Y., Ianconesca, M., Tronick, S.R., and Gazit, A.: Molecular cloning of an oncogenic replication-competent virus that causes lymphoproliferative disease in turkeys. J. Virol. 63: 2877-2880, 1989.
97. Archambault, D., Wang, Z-M, Lacal, J.C., Gazit, A., Yaniv, A., Dahlberg, J.E., and Tronick, S.R.: Development of an enzyme linked immunosorbent assay for equine infectious anemia virus detection using recombinant Pr55gag. J. Clin. Microbiol. 27: 1167-1173, 1989.

98. Sherman, L., Yaniv, A., Lichtman-Pleban, H., Gazit, A., and Tronick, S.R.: Analysis of regulatory elements of the equine infectious anemia virus long terminal repeat. J. Virol. 63: 4925-4931, 1989.
99. Tronick, S.R., McBride, W., Popescu, N.C., and Eva, A.: Chromosomal localization of the human *dbl* oncogene. Genomics 5: 546-553, 1989.
100. Noiman, S, Gazit, A., Tori, O., Sherman, L., Miki, T., Tronick, S.R., and Yaniv, A.: Identification of sequences encoding the equine infectious anemia virus fat gene. Virology 176: 280-288, 1990.
101. Noiman, S., Yaniv, A., Sherman, L., Tronick, S.R., and Gazit, A.: Pattern of transcription of the genome of equine infectious anemia virus. J. Virology 64: 1839-1843, 1990.
102. Tronick, S.R., Noiman, L.S., Sherman, L., Miki, T., Tori, O., Lichtman-Pleban, H., Dahlberg, J.E., Yaniv, A., and Gazit, A.: Regulation of expression of the equine infectious anemia virus genome. In: Papas, T. S. (Ed.). Advances in Applied Biotechnology Series: Gene Regulation, Oncogenesis, and AIDS. Houston, Gulf Publishing 7: 339-353, 1990.
103. Whetter, L., Archambault, D., Perry, S., Gazit, A., Coggins, L., Yaniv, A., Clabough, D., Dahlberg, J., Fuller, F., and Tronick, S.R.: Equine infectious anemia virus derived from a molecular clone persistently infects horses. J. Virology 64: 5750-5756, 1990.
104. Yaniv, A., Sherman, L., Noiman, S., Tori, O., Lichtman-Pleban, H., Miki, T., and Tronick, S.R.: Studies on the regulation and pattern of expression of the equine infectious anemia virus genome. Dev. Biol. Stand. 72: 59-73, 1990.
105. Ron, D., Zannini, M., Lewis, M., Wickner, R.B., Hunt, L.T., Graziani, G., Tronick, S.R., Aaronson, S.A., and Eva. A.: A region of *proto-dbl* essential for its transforming activity shows sequence similarity to a yeast cell cycle gene, CDC24, and the human breakpoint cluster gene, *bcr*. New Biol. 3: 372-379, 1991.
106. Aaronson, S.A., and Tronick, S.R.: Growth factor signalling pathways and their alterations in human tumors. FORUM 1.1: 14-35, 1991.
107. Chajut, A., Yaniv, A., Avivi, L., Bar-Am, I., Tronick, S.R., and Gazit, A.: A novel approach for establishing common or random integration loci for retroviral genomes. Nucleic Acids Res. 19: 4299, 1991.

108. Noiman, S., Yaniv, A., Tsach, T., Miki, T., Tronick, S. R., and Gazit, A.: The *tat* protein of equine infectious anemia virus is encoded by at least three types of transcripts. Virology 184: 521-530, 1991.
109. Tronick, S.R. and Aaronson, S.A.: Oncogenes. In Cossman, J. (Ed.): Molecular Genetics and the Diagnosis of Cancer. Amsterdam, Elsevier Science Publishers 4: 29-41, 1991.
110. Gak, E., Yaniv, A., Ianconesca, M., Tronick, S.R., and Gazit, A.: An *in vivo* infectivity assay for cloned retroviruses lacking a susceptible cell culture. J. Virol. Methods 28: 147-154, 1990.
111. Kalinski, H., Yaniv, A., Mashiah, P., Miki, T., Tronick, S.R., and Gazit, A.: Rev-like transcripts of caprine arthritis encephalitis virus. Virology 183: 766-792, 1991.
112. Gak, E., Yaniv, A., Sherman, L., Ianconesca, M., Tronick, S.R., and Gazit, A.: The lymphoproliferative disease virus of turkeys : Sequence analysis and transcriptional activity of the long terminal repeat. Gene 99: 1257-162, 1991.
113. Eisemann, A., Ahn, J.A., Graziani, G., Tronick, S.R., and Ron, D.: Alternative splicing generates at least five different isoforms of the human basic-FGF receptor. Oncogene 6: 1195-1201, 1991.
114. Aaronson, S.A. and Tronick, S.R.: Constitutive activation of growth factor signalling pathways in cancer cells. In: Broder, S. (Ed.): Molecular Foundations of Oncology. Hanover, Sheridan Press, 1991, pp. 41-53.
115. Perry, S.T., Flaherty, M.T., Kelley, M., Lengel, C.R., Clabough, D.L., Tronick, S.R., Coggins, L., Whetter, L., Fuller, F.: The surface protein gene region of equine infectious anemia virus is not an important determinant of tropism *in vitro*. J. Virol. 66: 4085-4097, 1992.
116. Gazit, A., Sarid, R., Mashiah, P., Archambault, D., Dahlberg, I.E., Tronick, S.R., and Yaniv, A.: Defective viral particles in caprine arthritis encephalitis virus infection. Virology 189: 344-349, 1992.
117. Chajut, A., Sarid, R., Yaniv, A., Smythers, G. W., Tronick, S. R., and Gazit, A.: The lymphoproliferative disease virus of turkeys represents a distinct class of avian type-C retrovirus. Gene 122: 349-354, 1992.
118. Ron, D., Reich, R., Chedid, M., Lengel, C., Cohen, O. E., Chan, A. M.-L., Neufeld, G., Miki, T. and Tronick, S. R.: Fibroblast growth factor receptor 4 is a high affinity receptor for both acidic and basic fibroblast growth factor but not for keratinocyte growth factor. J. Biol. Chem. 268: 5388-5394, 1993.

119. Aaronson, S. A. and Tronick, S. R.: Growth Factors. In Holland, J. F., Frei III, E., Bast Jr., R. C., Kufe, D. W., Morton, D. L. and Weichselbaum, R. R. (Eds.): Cancer Medicine, 3rd Edition. Philadelphia, Lea & Febiger, 1993, 33-48.
120. Rosin-Arbesfeld, R., Rivlin, M., Noiman, S., Mashiah, P., Yaniv, A., Miki, T., Tronick, S. R. and Gazit, A.: Structural and functional characterization of rev-like transcripts of equine infectious anemia virus. J. Virol. **67**: 5640-5646, 1993.
121. Beeler, J. F., LaRochelle, W. J., Chedid, M., Tronick, S. R. and Aaronson, S. A.: Prokaryotic expression cloning of a novel human tyrosine kinase. Mol. Cell. Biol. **14**: 982-988, 1994.
122. Gazit, A., Rosin-Arbesfeld, R., Noiman, S., Rivlin, M., Miki, T., Tronick, S.R. and Yaniv, A. The complexity of lentiviral gene expression. In Frensdorff, A., (Ed.): Frontiers in Cancer Research, Tel Aviv, Ramot, 1994, 147-162.
123. Yaniv, A., Sarid, R., Chajut, A., Gak, E., Altstock, R., Smythers, G.W., Tronick, S.R. and Gazit, A. The lymphoproliferative disease virus (LPDV) of turkeys: An acute retrovirus lacking an oncogene. In Frensdorff, A., (Ed.): Frontiers in Cancer Research, Tel Aviv, Ramot, 1994, 163-175.
124. Tronick, S. R. and Aaronson, S. A.: Growth factors and signal transduction. pp. 117-140. In Mendelsohn, J., Howley, P., Liotta, L. and Israel, M. (Eds.): The Molecular Basis of Cancer. Philadelphia, W. B. Saunders Co., 1994.
125. Sarid, R., Chajut, A., Malkinson, M., Tronick, S. R., Gazit, A. and Yaniv, A.: A diagnostic test for the lymphoproliferative disease virus (LPDV) of turkeys using the polymerase chain reaction. Am. J. Vet. Res **55**: 769-772, 1994.
126. Rosin-Arbesfeld, R., Mashiah, P., Willbold, D., Rosch, P., Tronick, S. R., Gazit, A., and Abraham Yaniv, A. Biological activity and intracellular location of the Tat protein of equine infectious anemia virus. Gene **150**: 307-311, 1994.
127. Kalinski, H., Mashiah, P., Rotem, D., Sherman, L., Miki, T., Tronick, S. R., Yaniv, A. and Gazit, A.: Characterization of cDNAs encoding the *tat* protein of caprine arthritis encephalitis virus. Viroloav **204**: 828-834, 1994.
128. Sarid, R., Chajut, A., Gak, E., Oroszlan, S., Gazit, A., Yaniv, A. and Tronick, S. R. Genomic organization of a biologically active provirus of the lymphoproliferative disease virus of turkeys. Viroloev **204**: 680-691, 1994.
129. Sarid, R., Gazit, A., Tronick S.R. and Yaniv, A. Identification of sequences in the long terminal repeat of the lymphoproliferative disease virus required for efficient transcription. Virology **208**:789-794, 1995

130. Myers, R.L., Chedid, M., Tronick, S.R. and Chiu, I.M. Different fibroblast growth factor 1 (FGF-1) transcripts in neural tissues, glioblastomas and kidney carcinoma cell lines. Onconene 11: 785-789, 1995.
131. Yaniv, A., Sarid R., Chajut, A., Gak, E., Alstock, R. Tronick, S. R. and Gazit, A. The Lymphoproliferative disease virus (LPDV) of turkeys. Israel Journal of Veterinary Medicine 50: 87-95, 1995.
132. Vider, B. Z., Zimber, A., Chastre, E., Prevot, S., Gespach, C., Estlein, D., Wolloch, Y., Tronick, S.R., Gazit, A., Yaniv, A. Evidence for the involvement of the Wnt 2 gene in human colorectal cancer. Onconene 12: 153-8, 1996.
133. Jensen, R. A., Thompson, M. E., Jetton, T. L., Szabo, C. I., van der Meer, R. Helou, B., Tronick, S. R., Page, D. L. , King, M. C., Holt, J. BRCA1 is secreted and exhibits properties of a granin. Nat Genet 12: 303-8, 1996.
134. Gazit A, Mashiah P, Kalinski H, Gast A, Rosin-Abersfeld R, Tronick SR, Yaniv A. Two species of Rev proteins, with distinct N termini, are expressed by caprine arthritis encephalitis virus. J70:2674-2677, 1996.
135. Fedi, P., Tronick, S. R., and Aaronson, S. A.: Growth Factors and Cancer. In Holland, J. F., Frei III, E., Bast Jr., R. C., Kufe, D. W., Morton, D. L. and Weichselbaum, R. R. (Eds.): Cancer Medicine, 4th Edition. Philadelphia, Lea & Febiger, 1997.