

CURRICULUM VITAE

NAME Allen Jan Burdowski
DATE OF BIRTH: January 20, 1948
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EDUCATION:
B.A., Hunter College in the Bronx 1969 (Lehman College)
Ph.D., New York University, 1979
IEM Program, Graduate School of Education Harvard University, 2012

HONORS:

Gladys Mateyko Award for Excellence in Biology, Graduate School of Arts and Science, Department of Biology, New York University, Sigma Xi,
Senior Professor (Teacher of the Year Stern College for Women)
Senior Professor Award St. Francis College 2008

RESEARCH AND TEACHING EXPERIENCE:

1970-1973	Teaching Fellow Department of Biology, New York University
1972	Research Fellowship, DeWitt Wallace Reader's Digest Fellow - Department of Cardiovascular Research, Institute of Rehabilitation Medicine, New York University Medical Center
1973 - 1975	NIH Trainee in Hematology: Laboratory of Experimental Hematology, New York University
1973 - 1976	Teaching Fellow Department of Biology New York University
1976	Instructor Department of Biology, New York University
1975 - 1979	Research Assistant to Dr. A.S. Gordon, Laboratory of Experimental Hematology, New York University
1977	Adjunct Instructor, Department of Biology, Adelphi University
1977 - 1978	Instructor, Department of Biology and the Institute for Foreign Medical Education, Wagner College
1979 - 1980	Postdoctoral Research Instructor, Department of Pharmacology, Tulane University School of Medicine
1980 - 1985	Assistant Professor, Department of Biology, Fordham University
1984 -1986	Visiting Scientist, Department of Ophthalmology, College of Physicians and Surgeons, Columbia University
1984 - 1985	Adjunct Assistant Professor Department of Biology, Yeshiva College, Yeshiva University

1985 - 1992	Assistant Professor, Department of Biology, Stern College for Women, Yeshiva University
1987	Visiting Scientist, Department of Pathology, Albert Einstein College of Medicine, Yeshiva University
1988 - 2001	Visiting Research Scientist, Department of Cell Biology and Histology, New York University Dental Center
1991 - 2001 1992-	Technology Consultant to School Districts and private firms Grants Reviewer NSF
1992 -2001	Associate Professor, Department of Biology, Stern College for Women, Yeshiva University
1993 - Present	Adjunct Associate Professor, Division of Basic Sciences New York University Dental Center.
1997 - 2001	Educational and Technology Consultant to The National Urban Alliance, Teachers College (NUA)
1999 - 2001	Adjunct at St. Francis College, Brooklyn N.Y. Developed Curriculum for Title III Grant on The creative Use of Computers in the Classroom, Special Course on technology for principals and superintendents. Created a course on special methods in the teaching of science in elementary school.
1999 - 2000	Educational Technology Consultant to St. Francis College
2000- Present	Director Faculty Center for Technology and Curriculum Development, St. Francis College
2001 - Present	Professor and Chairman Department of Information Technology, St. Francis College
2002 - 2006	Professor and Chairman Department of Biology, St. Francis College
2006 – 2011	Associate Dean for Graduate and Professional Studies
2011- 2016	Dean for New Program Development
2016 – Present 2021-2023 2023 2024	Dean for the Sciences and Health Sciences Inaugural Chair Department of Health Sciences and Leadership Vice President for Research, Compliance Programs and Articulations/ Dean of Sciences, Health Science and Nursing Vice President Health Sciences

COMMITTEES AND ASSOCIATIONS:

1969	Vice President Metropolitan Area Alumni Association Alpha Phi Omega (National Service Organization)
1972 - 1975	Student Senator University Senate New York University
1974 - 1975	Chairman Student Senators Council New York University

1975	Vice President University Senate New York University
1975 - 1976	Governor's Task Force on Higher Education, member appointed by Governor Carey of New York
1973 - 1977	Member of numerous committees, including Financial and Policy Planning, New York University
1980 - 1985	Member of numerous faculty committees at Fordham University, including the Deans Advisory Committee
1982 - 1985	Radiation Safety Officer, Fordham University
1985 - 2001	Member of many committees at Stern College and Yeshiva University including Curriculum Committee and Technology Committee
1988 - 2000	Chairman, Facilities Committee
1990 – 2001	Member Animal Welfare Committee
1992 -	NSF Grant review Panel
1995 - 2001	Technology Committee Yeshiva University
1996	Co-Chair animal Welfare Committee
1998	Curriculum Committee Department of Dental Hygiene, NYU Dental Center
2000 - 2006	Curriculum Committee , St. Francis College
2000- Present	Member of Core Committee, Knowledge Workers Educational Alliance, St. Francis College
2000- Present	Member meeting committee KWEA
2002-2016	Steering and Curriculum, and IRB Committees St. Francis College
2011, 2018	Member of committee to prepare Middle States Report
2011 -2016	Chair of Curriculum Committee

PROFESSIONAL SOCIETIES:

American Association for the Advancement of Science
 New York Academy of Sciences
 American Chemical Society
 Northeast Tissue Culture Society
 Association for Research in Vision and Ophthalmology
 Society for Experimental Biology and Medicine
 Sigma Xi
 Association of Computing Machinery (ACM)
 IEEE
 Beta Beta Beta

COURSES TAUGHT:

Anatomy and Physiology
Basic Science Review for Dental Residents (NYUCD)
Biochemistry (Graduate Course)
Bioinformatics
Cell Biology
Computer Applications (Spreadsheets, Word Processors, Power Point, and Database
Computer Based Information Systems
Computers in Education (Instructional Technology)
Computing in the Sciences
Creative uses of Computers in education
Decision Support Systems
Education course on methods of science teaching
Endocrinology
Experimental Biology (Instrumentation and Biomedical Electronics)
Experimental Hematology
Experimental Biology (Animal Surgery)
General Biology for Majors
General Biology for Non-Majors
Hematology
Histology
Histology/Pathology
Immunology
Management Information Systems
Management of The Medically Compromised Patient for Dental Residents at NYUCD
Medical Informatics
Medical Ethics
Microbiology
Molecular
Genetics
Multimedia
Multimedia in Education - special course for Faculty Members
Oral Histology and Embryology
Pharmacology for Medical Students
Pharmacology for Dental Students at NYU CD
Pharmacology for Nursing students
Pharmacology (Biology Majors)
Physiology (Graduate and Undergraduate Courses)
Project Management
The Rise of Science (History of Science for non majors)
The Utilization of Computers in Biology Education
The Use of the Internet in Science Education
The Role of the Internet in Education for Educators
Web Design
Zoology

SPECIAL COURSES ATTENDED

1987	Certificate Award, PC Based Data Acquisition, American Institute
2014	Certificate in Design of Blended Courses

INVITED SPEAKER

April 1982	Department of Hematology, AECOM, "Prostaglandins and Erythropoietin (EPO) production."
October 1985	Department of Biology, CUNY, The Pharmacology of Ageing
November 1987	Physical Science Interest Series, IBM, New York " Computers and Data Acquisition for Undergraduate Physiology Laboratories"
February 1987	Department of Cell Biology and The Institute of Aging Research, New York University Dental Center, "Methods and Strategies of Protein Purification"
April 1988	Invited to be member of Panel discussion at The FASEB meeting on the role of computers in student laboratories
April 1990	IBM use of comuters in the teaching of physiology utilizing Data Acquisition Techniques and IBM Computers
February 1990	Adelphi University, Department of biology, "The Role of Computers in Biology and Computerization of Biology Departments"
November 1990	Yeshiva University - "Tumor destruction in mice with mammary Adenocarcinoma by Autotumorolytic Factor (ATF)."
July 1992	St. Mary's College, Notre Dame, IN. Data Acquisition in a Biology in Biology Laboratories.
July 1992	St. Mary's College, Notre Dame, IN. The role of Computers in the enhancement of the science Curriculum.
November 1994	Yeshiva University, Breast Cancer, the role of biological response modifiers
September 1995	Stern College, The use of the Internet in education.
November 1995	Yeshiva College, Multimedia tools in education.
October 1995	Bellmore UFSD The use of Multimedia and the Internet in Education
February 1996	Presentation to the School Board Bellmore UFSD The Use of Computers and the Internet in a School District. A Proposal to Computerize the School District
December 1998	The use of computers to enhance the teaching of Biology. Walt Whitman High School South Huntington, NY
December 1999	Dept. of Education St. Francis College Use of technology to enhance learning in the modern classroom.
May 2002	KWEA conference, The use of Computer and Internet based simulations in teaching
April 2003`	KWEA Conference, Role of Assessment in Online Courses
April 2005	Trendsetters Conference for High School Girls:---chaired a session "Use of Technology in Medicine"
April 2006	Headed a Conference on Current Trends in Technology use in KWEA Colleges and Universities

November 2006	The use of technology in science education First Research Conference at New York College of Technology (CUNY)
November 2009	Led Panel Discussion on Ethics in Medicine: Brooklyn Catholic Lawyers Guild
May 2010	Stems Cells: A Review of the Current Status and Ethical Implications. Invited Speaker Catholic Lawyers Guild of Brooklyn, NY
April 2012	Accumulation and Toxicology of Metals in Oral Tissue Conference on the Environment St. Francis College
April 2014	Panel discussion Downtown Brooklyn Chamber of Commerce Technology and Education of Students
April 2015	Panel discussion Downtown Brooklyn Chamber of Commerce Biotechnology, Entrepreneurship, and Venture Capital.

SPECIAL PROJECTS

1986	Member of Committee and coauthor of a report on the computerization of the undergraduate institutions of Yeshiva University
1987	Established a new Physiology Laboratory based upon computer data acquisition of physiological signals. Development and introduction of computer physiological simulation programs into undergraduate labs.
1988	Integration of computers into general biology and chemistry laboratories.
1991	Established and trained faculty at St. Mary's College in the use of computers and Technology in a Physiology curriculum.
1992	Worked with faculty at New York University establishing computerized facilities in physiology laboratories
1993- present	Worked on various consulting projects dealing with training, and, the use of technology in education. .
1996	Involved in the Development of a computerized and high tech laboratory for the teaching of Science.
1997 - 1998	Developed and advanced the use of internet and software in the teaching of physiology and biology labs
1998	Development of Web pages to enhance the teaching of cell biology and physiology
1998	Developing a CD-ROM of images and textual materials for Biology, Cell Biology and Physiology Courses at Stern College.
2000	Creation of multimedia materials for undergraduate biology
2000	Created a new Information Technology Department for St. Francis College
2001	Creation of Class materials for the teaching of Medical Informatics

2002	Creation of multimedia based course materials for a course on Computer Based Information Systems (MIS)
2005-2006	Developed a week long training course for faculty on the use of technology in the classroom
2014	Developed a Generic RN program
2015	Developed training sessions for On-Line and Hybrid Learning
2017	Creation of a means of utilizing a “learning glass” solution to create learning podcasts to supplement science and nursing education
2019	CCNE Nursing Accreditation Team
2024	CCNE Nursing Accreditation

GRANTS AWARDED:

National Research Service Award - Prostaglandins and the regulation of Erythropoietin production.
1980 \$100,000

Fordham University Research Council - Prostanoids and the regulation of Erythropoietin production.
\$2000

University Research Council - Role of polyamines in radiation induced cataracts and control of proliferation events in lens cells. \$2500

National Science Foundation (1990) Instrumentation and Lab Improvement Grant - Microcomputer based data acquisition and analysis for undergraduate physiology laboratories" \$60,000

NSF computerization and networking grant 1999 \$500,000

Hyde Watson Foundation (1994) Purification and action of an inhibitor to Autotumorolytic Factor.
\$150,000

Bulova Foundation coPI purification and action of ATF (1995) \$80,000

FIPSE Grant (2000 2003) (CoPI) Development of a Knowledge Workers Educational Alliance (KWEA) \$599,373

St. Francis College Faculty Development Grant (2002) Bioinformatics across the curriculum \$2500

NTY State Classroom technology upgrades 2003 \$40,000

2002 NY State Science and Technology enrichment programs technology \$60,000

Title II D Grant—Enhancing Education through Technology grants—2001 \$300,000

2003 \$ 300,000

2006 \$300,000

NYS State Grant for a Summer Science Academy and Project Odyssey 2004 \$15,000

Federal Earmark for Project Access 2005 \$650,000

NYState grant to develop a Nursing Teaching laboratory 2005 \$265,000

NYS State and NYC Grant to create Summer Institutes for Teachers in Mathematics and Science--
2006 \$80,000

21st Century Gear Up Grant. With Catholic Charities \$890,000.

St Francis will create support services for teachers and afterschool activities in teaching computer programming in the K-12 schools. St. Francis will also create an Inventors Institute which will support creative project development in a K-8 environment.

Summer institutes for Teachers in Mathematics and d Science 2007 \$ 320,000

City Capital Grant for Video Conferencing Facilities, classroom upgrades and writing lab

and writing lab	2011	\$ 400,00
City Council Grant Hi Definition TV studio	2012	\$ 825,000
Brooklyn Borough Presidents Office Technology upgrades to classrooms	2012	\$400,000
Alden Trust - Psychology Lab Development	2010	\$ 100,000
Nursing Education Grant with NYC Health and Hospital Corp (HHC) US Department of Health and Human Services' Health Resources and Services Administration (HRSA)		\$ 860,000
Con Edison Grants for Greenhouse Development	2010- 2012	\$ 30,000
NY State Homeland Security program development	2012	\$ 245,000
TD Bank award for teacher development and entrepreneurship in app development		\$ 4,000
Google Grant Raspberry Pi in training of teachers in STEM	2013	\$ 10,000
City Capital Request Computer Lab upgrade	2013	\$360,000
City Capital Grant for creation of a Nursing Simulation Lab		\$ 839,000
City Capital Grant for science equipment		\$ 498,000
Borough President Classroom technology upgrade		\$565,885
City Capital Grant and City Council Grant for an Advance Microscopy Lab		\$ 275,000
City Capital Grant for equipping a Nursing Microbiology Lab		\$355,000
NYS Assembly Grant to build a nursing Microbiology Lab		\$500,000
NYS award to Eileen Dugan Life Science Center		\$1,000,000
Spencer Foundation Grant to create programs in Risk Management (2015)		\$ 50,000
Spencer Foundation Grant for Risk Manager, Visiting Program		\$ 2,000
Capital grant to establish a laboratory for teaching Anatomy and Physiology		\$ 280,000
Utilizing Anatomage 3D dissection Tables and a 3D printed anatomical model (Navigator)		
Robert Wood Johnson Foundation Grant to develop Nursing Program in Health Literacy (2017)		\$ 40,000
Library and Library Classroom, Fine Arts Classroom Technology Update (2017)		\$260,000
Grant NY City Council Develop a Makerspace Lab		\$389,000
Alden Foundation- Creation of a <u>Center for Active Learning</u> , Innovative Teaching, and Faculty Development		\$100,000
NY City Council Grant to Redesign Teaching Classrooms for Active Learning	2019	\$ 363,000
Cabrini Foundation SFC Wellness Center Expansion	2022	\$200,000
Cabrini Foundation Nursing Residency Program		\$220,000
US Department of Education St. Francis Nursing Simulation Lab.	-2022	\$1,500,000

Computer Experience

Word Processing:

Wordperfect (DOS and Windows), Word (PC/MAC), PICO, and Vi (UNIX editors),
 LibreOffice, Spreadsheets: Lotus, Excel,
 Databases DbaseIII, DbaseIII+, Dbase IV, Paradox, Access, Approach, SQL
 Presentation Programs: Presentation (Wordperfect), Powerpoint, Freelance, Harvard Graphics
 Drawing Programs: Corel Draw,, Photoshop, Paintbrush, Morph, Corel Adobe Illustrator
 Web Pages: Have experience with HTML, Frontpage, GoLive, Dreamweaver, Flash
 Desktop Publishing: Ventura, Pagemaker, InDesign
 Scientific and Math Packages: Mathcad, Labtech Notebook, Sigma Plot, Sigmascan, Sigmastat, SPSS,
 Labview, Visual Basic, Vernier, Bio-Pac, Prizm
 Quicken, Peachtree, Director, Asymetrix Toolbook, Adobe Premiere, Aperture
 Linux, R, Biopython, Python, Java, Perl, Swift

PUBLICATIONS

1. Dods, R.F. and Burdowski, A.J. Adenosine 3' -5 cyclic monophosphate dependent protein kinase and phosphoprotein phosphatase activities in rat Islands of Langerhans, BBRC 51(2), p. 421, 1973.

2. Carson, E.J., Roy, M., Naughton, B.A. Burdowski, A.J., Gordon, A.S., The effect of reticuloendothelial overload on extrarenal erythroenin and erythropoietin production. Abstract 29th Annual Meeting of Soc. Hemat., 1976.
3. Naughton, B.A., Kaplan, S.M., Roy, M., Burdowski, A.J. Piliero, S.J. and Gordon, A.S., Hepatic regeneration and erythropoietin production in the rat, Science 196, 301, 1977.
4. Roy, M. Burdowski, A.J., Carson, E.J. Piliero, S.J. and Gordon, A.S., In vitro production of erythropoietin by isolated rat Kupffer cells, Fed.Pro. Am. Soc. Exp. Biol., 1978.
5. Roy, M., Burdowski, A.J., Grubman, S.A., Naughton, S.A. Piliero, S.J. and Gordon, A.S., the Reticuloendothelial system and Extrarenal Erythropoietin Production, Abstr. 21 Ann Meet. Am. Soc. Hemat., 1978.
6. Roy, M., Carson, E.J., Burdowski, A.J. Grubman, S.A. Piliero, S.J. and Gordon, A.S., The effect of reticuloendothelial overload on extrarenal erythroenin and erythropoietin production, J.R.E.S. 25 (2), p. 151, 1979.
7. Derelanko, M.J., LoBue, J.A. Meagher, R.C. Burdowski, A.J. Piliero, S. and Gordon A.S. Exp. Hemat. 83 (3), p.327. 1980.
8. Burdowski, A.J. and Fisher, J.W. Prostanoids and erythropoietin in programmed isolated perfused dog kidneys, Abs. Dallas Meet. Int. Soc. Exp. Hemat., 1980.
9. Burdowski, A.J., Brookins, J. Kadowitz, P.J., Jubiz, W., Salmon, J., Moncada, S. and Fisher, J.W., Relationships between prostaglandins and renin on erythropoietin production following hypoxic stimulation, Exp. Hemat. 8 (Suppl.), p. 8, 1980.
10. Fisher, J.W., Radke, H., Jubiz, W., Nelson, P.K. and Burdowski, A.J. Prostaglandin activation of erythropoietin production and erythroid progenitor cells, Exp. Hemat. 8 (Suppl.), p.8, 1980.
11. Fisher, J.W., Nelson, P.K., Beckman, B. and Burdowski, A.J. Kidney Control of erythropoietin production in renal endocrinology (ed. Dunn), Williams and Wilkens, 1983.
12. Burdowski, A.J., Roy M., Varon, M., Friedman, F. and Grob, H., Characterization of a partially purified tumorolytic factor. AAAS J.1984
13. Mitrani, R., Burdowski, A.J., and Worgul, B., The effects of ionizing radiation on dividing cells in the conjunctival epithelium, Invest. Ophthal. and Visual Sci. 25 (Suppl.) p.3, 1984.
14. Burdowski, A.J., Roy, M., Varon, M., Friedman, F. and Grob, H.S. Characterization of a partially purified murine tumorolytic factor, Proc. 150th Meeting AAAS, New York, pp. 152-153, 1984.
15. Burdowski, A.J. Roy, M., Friedman, F., and Grob, H.S., Autotumorolytic factor: Purification from pooled sera. Fed. Proc. 44, p.910, 1985.
16. Roy, M., Getz, G.K. Burdowski, A.J. Friedman, F., and Grob, H.S., Histo-chemical studies on induced mammary tumor lysis, Fed. Proc. 44, p.910, 1985.
17. Burdowski, A.J., Roy, M., Friedman, F. and Grob, H.S., Purification of a syngenetic cross-reactive autotumorolytic factor, Proc. Soc. Exper. Med. 187, pp. 172-178, 1987.

18. Friedman, F., Staines, J., Scanlon, M., Sapienza, L., Burdowski, A.J. and Grob, H.S., Autotumorolytic factor (ATF) derived from neoplastic murine, canine and feline sera, Fed.Proc:46(3): 431, 1987.
19. Scanlon, M., Friedman, F. Burdowski, A.J. and Grob, H.S., Action autotumorolytic factor (AFT) on mammary tumor cells in vitro, Fed. Proc.46 (3): 998,1987.
20. Burdowski, A.J., Roy, M. Bartfeld, E., Katzenstein, Jr., Friedman F. and Grob, H.S., Isolation of a serum inhibitor factor for murine autotumorolytic factor (ATF), Fed. Proc. 46(3): 430, 1987.
21. Brunetta, M. Friedman, F., Burdowski, A. and Grob, H.S., Role of Estrogen in the Genesis and Maintenance of the C3H (T/F) Murine Mammary Adenocarcinoma. FASEB JOUR. 2(4):A814, 1988.
22. Scanlon, M. Friedman, F., Burdowski, A. and Grob, H.S. Induction of Lymphocyte Humoral Cytotoxicity by an Autotumorolytic Factor (ATF). FASEB JOUR. 2(4):A691, 1988.
23. Kajumo, F. Scanlon M., Friedman, F., Burdowski, A., and Grob H.S. A Tumor Lytic Factor (ATF) Derived from Pre-tumor Animals of a Spontaneous Mammary Tumor Strain C3H(T/F). FASEB. JOUR. 2(4):814, 1988.
24. Burdowski, A. Bartfeld, E., Jaffe, D., Scanlan, M., Grob, H.S. and Friedman, F. Isolation and Mechanism of Action of a Serum Inhibitor To a Tumorolytic Factor, ATF. FASEB JOUR. 2(4):A814, 1988.
25. Burdowski, A.J., Berger,M., Farkas,Z., Bartfeld, L., and Brandwein. Microcomputer Data Acquisition and Data Analysis in an undergraduate physiology lab. FASEB. JOUR. 2 ((4), 1988.
26. Friedman,F., Matus,R.,Stains,J. Grob,H.S., Burdowski, A.J. Tumorolytic Factor Derived From Sera of Dogs and Cats with Spontaneous Mammary Tumors, Proc. Vet Cancer Society, 1988.
27. Burdowski, A.J., Bartfeld, E., Scanlan,M., Grob, H., Friedman, F., Action of a Serum Inhibitor Autotumorolytic Factor (ATF), FASEB. J. 3:641, 1989
28. Cempe, D.M., Scanlon, M., Burdowski, A.J., Grob, H., Friedman, F. Prophylactic Activity of Autotumorolytic Factor (ATF). FASEB J., 4:641,1990.
29. Burdowski, A.J., Scanlan, M. and Friedman, F., "Lymphocyte Sensitization in the Autotumorolytic Process, FASAB J., 6(5):A1930, 1992.
30. Scanlan, M., Burdowski, A.J. and Friedman, F., Immunocyte Mediation of Autotumorolysis, FASAB J. 6(5):A1898, 1992.
31. Petkus, A., Burdowski, A.J. and Friedman, F., FASAB J. 8(5): 1994.
32. Williams, J., Burdowski, A. and K. Nolan. 2003. Effects of salinity changes on dissolved oxygen concentrations in water inhabited by mollies
33. P. Cohen, S. A. Philips, A. Burdowski, R. E. Gordon, I. P. Tan, G. Stotzky, and S. M. Lipson. 2004. The training of undergraduate science majors in virological techniques: Research application to anti-viral activity by comestible juices. Abstr. 11th Annual American Society for Microbiology Conference for Undergraduate Educators, held at Xavier University of Louisiana

34. Bastion, C., L. Sethi, P. Cohen, R. Gordon, A. Burdowski, and S. M. Lipson. 2004. Mechanism of inactivation by the American Cranberry (*Vaccinium acrocarpon*) of mammalian enteric viruses. Abstr. Ann. Mtg. Metropolitan Association of University and College Biologists (MACUB), 11/6/04.
35. Cohen, P., S.-A. Phillip, A. Burdowski, R.E. Gordon, I.P. Tan, G. Stotzky, and S. M. Lipson 2004. The training of undergraduate science major in virological techniques: Research application to anti-viral activity comestible juices, Abstr., Amer. Soc. for Microbiol., Conference for Undergraduate Educators, (ASMCUE). May 21-23, 2004 16A, p. 15.
36. Cohen, P., L. Sethi, C. Bastein, R. Gordon, A. burdowski, S. M. Lipson. 2005. Mechanism(s) of inactivation by the American Cranberry (*Vaccinium macrocarpon*) of mammalian enteric viruses. Abstr., Amer. Soc. for Microbiol.
37. Presentation at The national meeting of the Annual Society of Microbiology on May 21-May 2 Investigations Into The Effects Of Cranberry Juice Cocktail, Cranberry Concentrates, And Proanthocyanidins, On The Infectivity Titer Of A Mammalian Enteric Reovirus. S. M. Lipson^{1*}, P. Cohen¹, J. Zhou¹, A. Burdowski¹, and G. Stotzky.
38. Teaching stewardship of the New York/ New Jersey estuaries to K-12 children: From Sea to Seining Sea program. *Kathleen Nolan, Ph.D., Richard Giaquinto, Ph.D., Marilyn Verna, Ed.D., and Allen Burdowski, Ph.D.*, Pedagogical Issues in Science, Mathematics and Technology Education: Sharing Our Success Special Papers Series; New York Consortium for Professional Development
39. Sethi, L. Cohen, P., Burdowski, A. Lipson, S. Inhibition of Bacteriophages and a Mammalian Enteric Virus by Cranberry Juice”. *PHYTOMEDICINE* in press
40. Nolan, K., Verna, M., Giaquinto, R. and A. Burdowski. 2006. Teaching stewardship of the estuaries to K-12 children. *Pedagogical Issues in Mathematics and Technology Education, Pedagogical Issues in Science, Mathematics, and Technology Education 2*: 180-194.
41. Nolan, K., Glover, T. and A. Burdowski. 2006. “The Use of the Motic Camera and Image J in Teaching Biology”. Workshop presented at MACUB conference at Kingsborough Community College,
42. J. Burdowski, M. Roy, A. Burdowski, G. Stotzky, and S. M. Lipson Inhibitory Effects on Reovirus-Infectivity and Viral-Induced Gastroenteritis in Athymic Mice by Cranberry Cocktail and Concord Grape Juice Drinks. Abstr The national meeting of the Annual Society of Microbiology 2007
43. Lipson, S.M, Sethi, L, Cohen, P., Gordon, R.E., Tan, IP, Burdowski, A. Stotzky, G. Antiviral Effects on Bacteriophages and Rotavirus by Cranberry Juice *Phytomedicine* 14 (2007) p23-30
44. Lipson, SM, Cohen, P, Zhou, J. Burdowski, A, Stotzky, G. Cranberry cocktail juice, cranberry concentrates, and proanthocyanidins reduce reovirus infectivity titers in African green monkey kidney epithelial cell cultures. *Mol Nutr Food Res.* 2007 May 9;51(6):752-758
45. Afaneh, T., A.J. Burdowski, G. Stotzky, and SM Lipson. 2007. Investigations into the effects of Cranberry cocktail drink, Concord Grape Juice drink, and Proanthocyanidins, on *In Vitro* inhibition and the *In Vivo* infectivity of Rrovirus-Induced Gastroenteritis in Athymic Mice. *In Vivo.* 28 (2):2007
46. Lipson, S.M., R. E. Gordon, L. Karthekeyan, M. Singh, A. Burdowski, M. Roy, G.

Stotzky. Effect of Cranberry and Grape Juice Drinks on Enteric Virus Integrity, Infectivity in Cell Culture, and Pathology in the Animal Model. In: M. Qian and A. Rimando (ed.), *Flavor and Health Benefits of Small Fruits*. Amer. Chem. Soc. Press, Chicago ().

47. Lipson, S.M., A. Sobilo, M. Andragna, M. Roy, A. Burdowski, B. Collins, G. Stotzky, 2009. Reduction in reovirus Infectivity by Pure- and Store-Purchased Cranberry and Grape Juice Drinks. In: *Fruits Juices: Properties, Consumption and Nutrition*, P.G. Scardina (ed.), Nova Publ., Hauppague, NY. '

48. Lipson, S.M., Sethi, L., Cohen, P., Gordon, R.E., Tan, IP, Burdowski, A. and G. Stotzky. 2007. Antiviral Effects on Bacteriophages and Rotavirus by Cranberry Juice Phytomedicine 14: 23-30.

49. Vilorio***, F., DiDonato***, E., Aly***, I. Glover***, T., Burdowski, A. and K. Nolan. 2007. Morphometric comparisons of salt marsh shrimp from Florida and the NY/NJ Harbor Estuary. Poster presentation at the 40th Annual Conference of the Metropolitan Association of College and University Biologists at St. Johns University, New York. 10/20/07.

50. Nolan, K., Giaquinto, R., Verna, M., and A. Burdowski. 2006. Teaching stewardship of the New York/New Jersey estuaries to K-12 children: From Sea to Seining Sea program. *Pedagogical Issues in Science, Mathematics, and Technology Education* 2: 180-194.

51. Neuner, B., Malvoisin, T., Leon, M., Burdowski, A. and K. Nolan. 2008. Water Quality and a South to North Comparison of Estuarine Shrimp. Poster and PowerPoint presentation

52. Malvoisin, T., Neuner, B., Leon, M., Melton, C., Kovalevych, V., Glover, T., Burdowski, A. and K. Nolan, 2009. A Comparison of 2300 Year-old Oyster Shells to Present-day Shells. /Poster presentation at the Undergraduate Symposium of the American Chemical Society, Pace University, May 4, 2009

53. Hemlall, D., Faison, C., Bathala, N. Burdowski, A. and K. Nolan. 2009. Intervening Transcribed Sequences of Silverside Fish and Horseshoe Crab. A poster presentation at the Metropolitan Association of College and University Biologists Annual Conference at Kingsborough Community College. Oct. 2009.

54. Faison, C., Hemlall, D., Malvoisin, T., Neuner, B., Leon, M., Melton, C., Kovalevych, V., Glover, T., Martinez, Burdowski, A. and K. Nolan. Morphometrics of 2300 Year-old and Present-day Oyster Shells. A poster presentation at the Metropolitan Association of College and University Biologists Annual Conference at Kingsborough Community College. Oct. 2009

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Burdowski, A., Zhyvotovska, A., Clark, L., Musarella-Conti, G., Batchu, M., Faizi, and K. Nolan. 2011 the Fall Back into Summer Program at St. Francis College, Oct. 13, 2011 (oral presentation), the "Is it Environmental Health or Health of the Environment?" Conference at St. Francis College, Nov. 18, 2011

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Burdowski, A., **Zhyvotovska**, A., Clark, L., Musarella-Conti, G., Batchu, M., Faizi, and K. Nolan. 2011 Northeast Natural History Conference, Syracuse, Apr. 15-18, 2012.

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Burdowski, A. NYU 3D Printing and Regenerative Medicine NYUCD Department of Oral Surgery and Esthetic Dentistry 2017

Burdowski, A. Keynote address Environmental Conference Lead Poisoning in Flint Michigan, environmental Effects. 2018 NY City Department of Education.

Burdowski, A, Risk Assessment of Patients in Dentistry. International Residents Training Program NYUCD 2019