CURRICULUM VITAE

Lawrence K. Silbart, MPH, Ph.D.
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Educational Background

Post-Doctoral Fellowship, Immunopathology, 1988-1989, U. Michigan Medical School, Ann Arbor, MI
Ph.D., Toxicology (School of Public Health), 1987, University of Michigan, Ann Arbor MI
MPH, Double Major – Toxicology and Industrial Hygiene, 1982, University of Michigan, Ann Arbor, MI
BGS, (Concentration in Biochemistry), 1980, University of Michigan, Ann Arbor, MI

Professional Training and Positions Held:

1981-84 Clinical Laboratory Tech., Department of Pathology, U. of Michigan Hospital.
1983-84 Staff Scientist, National Wildlife Federation, Great Lakes Natural Resource Ann Arbor, MI
1985-87 Research Assistant, Department of Pathology, U. of Michigan Medical School.
1986-87 Research Assistant, Department of Pharmacology, U. of Michigan Medical School.
1988-89 Postdoctoral Research Fellow, Department of Pathology, University of Michigan.
1989-91 Research Investigator, Department of Pathology, University of Michigan.
1991-97 Assistant Professor of Animal Science, University of Connecticut, Storrs, CT.
1991-97 Joint Appointment - Assistant Professor of Molecular and Cell Biology, UCONN, Storrs, CT
1991-06 Assistant Director, Center for Environmental Health, University of Connecticut, Storrs, CT.
1997-05 Associate Professor of Animal Science, The University of Connecticut, Storrs, CT
1997-06 Joint Appointment – Associate Prof of Molecular and Cell Biology, UCONN, Storrs, CT
1998-06 Joint Appointment – Associate Professor of Pathobiology, UCONN, Storrs, CT
1997-17 Visiting Scholar, Harvard University School of Public Health, Boston, MA
1997- P.I., Center of Excellence for Vaccine Research
1998-06 Co-Facility Head, Flow Cytometry/Confocal Microscopy, UCONN, Storrs, CT
2000 Visiting Associate Professor, Children's Hospital, Harvard University, Boston, MA
2001-13 Associate Director, Center of Excellence for Vaccine Research, UCONN
2002-06 Adjunct Associate Professor of Veterinary Medicine, Tufts U. School of Veterinary Medicine
2005-13 Doctoral Program in Public Health and Health Policy, Concentration Chair, UCONN
2006- Joint Appointment - Professor of Molecular and Cell Biology, UCONN, Storrs, CT
2006- Joint Appointment – Professor of Pathobiology, UCONN, Storrs, CT
2006-10 Adjunct Professor of Veterinary Medicine, Tufts University School of Veterinary Medicine
2006-13 Center for Environmental Science and Engineering Advisory Committee
2006-13 Director or co-director, Center for Environmental Health, UCONN, Storrs, CT
2006-13 Department Head, Department of Allied Health Sciences, CANR, UCONN, Storrs, CT
2007 -10 Editorial Board – Clinical and Vaccine Immunology (ASM journal)
2010-12 Chair-Elect/Chair; Division G, American Society of Microbiology
2010 - Harvard NIOSH Education Resource Center (ERC) Advisory Committee Member
2013-17 Vice Provost for Strategic Initiatives
2017-18 Sabbatical Leave – Torigen Pharmaceuticals (Farmington, CT)
2006- Professor, Department of Allied Health Sciences, CANR, UCONN, Storrs, CT

Administrative/Leadership Experience (Not Exhaustive List)

Vice Provost for Strategic Initiatives (2013 – 2017)

Responsibilities included providing leadership, strategic planning and financial management for many initiatives falling under the NextGenCT legislation, a $1.7 billion state-funded program to sustain UConn from 2014 – 2024, including many capital projects.

- **Innovation, Entrepreneurship and Industry Partnerships**: Worked with colleagues in many schools/colleges/offices to enhance the entrepreneurial landscape at UConn. This work led to the formation of University-wide collaborations to help train students and faculty on how to engage with private industry partners in research partnerships. Over the course of four years, dozens of programs ranging from student internships, senior design (engineering), shark-tank innovation competitions, accelerator functions and forging industry partnerships through a variety of outreach mechanisms were undertaken, thereby broadening the collaborative research base of the University. Oversaw a group of direct reports who developed webpages, promotional materials and presentations to attract industry partners to researchers and equipment needed to solve technical challenges in a broad array of industrial settings. Participated in significant outreach with industry groups (e.g. Chambers of Commerce, Economic Develop Boards etc.) to make known the research capabilities, facilities, and partnering capabilities available at UConn.

- **Economic Development**: Participated as PI and co-PI on two US Economic Development Administration projects to broaden UConn's reach in collaborative research (described above) and to develop a proof-of-concept center within the UConn Innovation Partnership Building. This work targeted small- to-medium sized enterprises (SMEs) within CT that have limited budgets for R&D and can benefit from University collaborations. Several companies have already benefited from this work, and nearly a dozen more are in the pipeline. The proof-of-concept center (for rapid prototyping) is under construction and its inaugural director has been hired. Participated heavily in the development of a modeling and simulation center which will occupy the space adjacent to the proof-of-concept center.

- **Innovation Partnership Building/Technology Park**: Worked with many stakeholders to transition this $100 million project from concept to reality. This involved working in teams to 'program' the building (programmatic and space allocation), and directly oversaw the selection and acquisition of nearly $30 million in state-of-the-art equipment including a world-class electron microscopy facility. Building construction is now nearly complete, and parts of the facility are now fully operational. Assisted in the development of several 'high-end' partnerships and agreements including a $25 million, 15-year partnership agreement with FEI (recently acquired by Thermo-Fisher), a $9M partnership with Eversource Energy, and a $3M partnership with Zeiss. In total we currently have nine flagship partnerships ranging in value from $1M - $25M. Worked in teams to developed strategic planning documents, governance structure, operating procedures and funding models to help insure the success of the project.

- **Strategic Planning and the Academic Plan Proposal Internal Grants Program**: Played a major role in marshalling 300 participants over a 14-month period to draft UConn's Academic Plan (effort headed by Dr. Sally Reis, Vice Provost for Academic Affairs). Worked primarily on all health-related initiatives – a major part of the overall plan. Subsequently played a major role on the implementation team to craft and execute an internal grants program which has seed-funded over $16M in projects including the formation of several Centers, two Institutes and a Genetic Counseling Graduate Program. Created the infrastructure for soliciting, organizing, peer-reviewing, scoring, disseminating funds and reviewing multi-year projects on an annual basis.

- **Academic Center and Institute Review**: Oversaw the review of approximately 70 University Centers and Institutes on a 5-year rolling basis (approximately 14 per year). Worked with directors to assist them in preparing self-study documents, then organized a standing faculty committee to review and make recommendations to the Provost and Board of Trustees. Worked with the faculty committee to develop an in-depth 'best practices' document to insure successful formation, operation, review and dissolution of Centers and Institutes.

- **Departmental Reviews**: Led efforts to review all academic departments on a rolling 7-year basis (approximately 8 per year). Worked with Deans and Department Heads to assist in their preparation of self-study documents, organized external review, site visits and subsequently made recommendations to the Provost regarding each department's strengths, weaknesses and resource issues.

- **General Provost Office Duties**: Participated heavily in adjudicating difficult promotion/tenure/reappointment (PTR) dossiers with relevant deans and department heads, ultimately making recommendation to the Provost on 'tight' cases. Participated on several successful 'target of opportunity' hires and retention offers. Served as the Provost's Office representative on several Board of Trustee Committees, a Clinical Compliance/Contracts Committee (co-chair), Audit and Compliance, High-risk consulting and Conflict of Interest committees. Also represented the Provost's Office on matters involving student recruitment into high demand programs, and helped manage the associated 'downstream' challenges resulting from enrollment increases. Developed procedures for assessing faculty teaching workload across all schools and colleges. Participated in annual budget hearings and many emergency budget meetings to mitigate the effects of state-mandated budget cuts (7 consecutive cuts). Helped organize several events at the State Capitol to promote UConn's STEM research and teaching efforts. Met with donors on several occasions to promote UConn's efforts in expanding STEM education/research to support the philanthropic efforts of the Foundation. Participated in weekly meetings to discuss handling of delicate faculty matters ranging from alleged sexual harassment to alleged misappropriation/misuse of funds.

Department Head, Allied Health Sciences (2006-2013); interim head 2015-2016 (while serving as Vice Provost)

- **Transition from School to Department**: The Department of Allied Health Sciences was formed in 2006 upon the dissolution of the School of Allied Health, and I became its inaugural head. Upon joining, the department had approximately 130 students enrolled in its undergraduate/graduate 'professional programs', and about 20 graduate students affiliated with other programs. Over the ensuing years we developed and implemented five concentrations within Allied Health focusing primarily on pre-professional training. These concentrations have become wildly successful, with total enrollments exceeding 800 students for the past four years. Managing the hiring and orientation of new faculty to meet this challenge, and working with upper administration to justify new positions was a major challenge. Many new courses were developed, and our student advising center expanded from two to five advisors (who also lecture).

- **Expanding the Research Mission**: The former School of Allied Health had been criticized for its lack of emphasis on research, and I was charged to remedy this situation. Following an in-depth strategic planning exercise, we embarked on a faculty hiring plan to recruit research-active faculty in a variety of areas including behavioral science, health promotion science, genetics and genomics, biostatistics, epidemiology, occupational health and safety, and most recently, genetic counseling. The research productivity of the department has since skyrocketed with respect to all outcome measures including NIH-funded research projects, publications, presentations, number of students graduated etc.

- **Oversaw AHS clinical programs and participated in program accreditation**: Worked closely with the directors of Dietetics (two programs), Diagnostic Genetic Sciences (two programs) and Medical Technology (now 'Medical Laboratory Science'). Worked on issues of student recruitment and retention, academic issues (e.g. dismissals), budget, faculty development, clinical placements, clinical affiliation agreements and related issues. Participated in the review of self-study documents and actively participated in accreditation site visits.

- **Faculty Development and Recruitment**: Worked closely with upper administration, and in keeping with departmental priorities to hire several research-intensive faculty along with lecturer/advisors, assistant professors in residence and support staff to accommodate the needs of the department. Worked with faculty for professional development with respect to promotion and tenure.

- **General Duties**: Worked with faculty and staff to ensure smooth running of the department. Participated on many committees including the Graduate Committee to facilitate program development and recruitment. Held monthly faculty meetings and evaluated all faculty and staff through a proscribed merit process in addition to PTR. Oversaw all departmental budgets and exercised fiscal responsibility, always keeping accounts in good standing (never had a deficit year). Managed direct reports to manage departmental affairs, budgets and general operations.

Sabbatical Leave (Torigen Pharmaceuticals; Farmington CT; August – December, 2017): Participated in experimental design planning and the preparation of a joint SBIR grant Proposal to NIH focusing on immuno-oncology approaches for treating companion animals (mostly dogs) with cancer. This collaboration is ongoing, with two Sponsored Research Agreements (see below) awarded to UConn to translate this work into the laboratory. One scientific publication has resulted from these activities, with one honors undergraduate student completing her thesis and a second student nearing completion.

Professor of Allied Health Sciences (2017 – present): I have resumed my duties in the department and have begun teaching AH3175/5366 (Environmental Health) plus the graduate level Vaccines course (scheduled for Spring, 2020). I also advise students who elect the Environmental Health Concentration. I have re-opened my research laboratory and have begun taking on graduate students and honors undergraduates. We have published two papers regarding our mycoplasma research, one related to canine immuno-oncology, and have a second collaborative immuno-oncology manuscript ready for submission. We have had two Sponsored Research Agreements with Torigen Pharmaceuticals (~$200,000) funded and have a pending NIH R21 proposal for $225,000.

Entrepreneurial Activity: In 2018, I established a faculty-affiliated company named 'Therapeutic Bandage Products LLC.' Our team now includes five scientists, four business advisors and three students. We have acquired $63,000 in seed funds (non-dilutive) and have produced a prototype of our biodegradable microneedle platform technology for the treatment of MRSA, chronic non-healing wounds and other skin conditions.

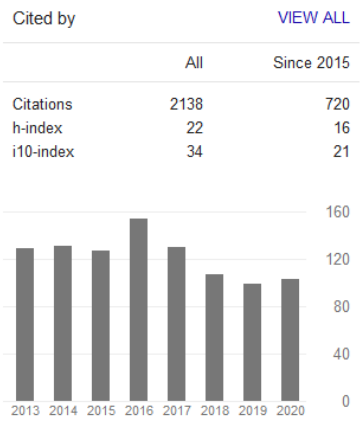
Honors and Awards:

- Alpha Zeta
- Gamma Sigma Delta
- Phi Kappa Phi (Inducted 1997); President of UConn Chapter (#59) – 2011-2013; 2018-
- Evans Scholarship, University of Michigan, 1976-1980
- Dean's List, University of Michigan-Ann Arbor
- National Honor Society, Highland Park High School

- Donald M. Kinsman Award for Excellence in Undergraduate Teaching. 2002
- UCANRAA Excellence in Teaching Award, 2003
- Outstanding Faculty Advisor Award – Nomination (2004)
- CANR Special Achievement Award (Merit) 1997, 2004
- UConn Connects Outstanding Mentor Award (2009)

Research Statistics:

Google Scholar:



Research Gate:

Lawrence K Silbart

33.03 · MPH, Ph.D. · Edit

574.1
Research Interest
More details

1,078
Citations
View

Peer-Reviewed Articles:

Keren, D.F., Silbart, L.K., Lincoln, P.M. and Annesley, T.M (1986): Significance of immune responses to mucosal carcinogens: A hypothesis and a workable model system. *Pathol. Immunopathol Res*.; 5:265-277.

Silbart, L.K., Nordblom, G., Keren, D.F., Wise, D.S., Lincoln, P.M. and Townsend, L.B.: (1988) A rapid and sensitive screening method for the detection of anti-2-acetylaminofluorene immunoglobulins. *J. Immunol. Methods*.; 109:103-112.

Silbart, L.K. and D.F. Keren: (1989) Reduction of Intestinal Carcinogen Absorption by Carcinogen-Specific Secretory Immunity. *Science*; 243:1462-1464.

Kilbane, A.J., Silbart, L.K., Manis, M., Beitins, E.Z. and Weber, W.W.: (1990) Human N-acetylation genotype determination with urinary caffeine metabolites. J. Pharmacol. Exp. Therap.; 47(4):470-7.

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Silbart L.K., D.F. Keren, R.A. McDonald, P.M. Lincoln, L. Goslinoski, and J.B. Smart (1992). Characterization of the Mucosal Immune Response to 2-Acetylaminofluorene-protein conjugates. *Regional Immunology* 4(4):245-254.

Silbart, L.K. (1993) Stimulating Mucosal Immunity: The Challenge of Oral Vaccination. *Clinical Immunology Newsletter* 13:113-119.

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Aflatoxin B1 Following Mucosal Immunization with Aflatoxin B1-Carrier Protein Conjugates and Cholera Toxin. *Annals of the New York Academy of Science* 778:422-425.

McAleer, F.T., Silbart, L.K., VanKruiningen, H.J., Koudelka and A. Tobias (1996). A Simplified Procedure for Studies of Intestinal Immunity in Rabbits. *J. Immunological Methods* 194:49-58.

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Oliver, A.R., Silbart, L.K., McDonald, R.A., Miller,B. and D.F. Keren (1997). Mucosal Unresponsiveness to Aflatoxin B1 is not broken by Cholera Toxin. *Immunology and Cell Biology* 75:47-53.

Rasmussen, M.V., Oliver, A.R. (1997) Immunoprophylactic intervention in chemical toxicity and carcinogenicity. *Veterinary and Human Toxicology*. 39:37-43.

Winchell,J.M. Van Kruninginen,H.K., and L.K. Silbart, L.K. (1997) Mucosal Immune Response to an HIV C4/V3 Peptide following Nasal or Intestinal Immunization of Rabbits*, AIDS Research and Human Retroviruses*. 13: 881-889.

Rasmussen, M.V., and Silbart, L.K. (1998) Peroral Administration of Specific Antibody Enhances Carcinogen Excretion. *J. Immunotherapy* 21:418-426*.*

Oliver, A.R., Silbart, L.K., (1998) Local and systemic tolerance to orally administered dinitrochlorobenzene are not broken by CT. *International Archives of Allergy and Immunology*. 116:318-324.

Winchell, J.W., Routray, S., Betts, P.W., Van Kruiningen, H.J., Silbart, L.K. (1998) Mucosal and Systemic Antibody Responses to an HIV-1 C4/V3 Construct Following DNA Immunization of Rabbit Peyer's Patches. *J. Infec. Dis*. 178:850-3.

Zinckgraf, J.W., Winchell, J.M., and Silbart, L.K. (1999) Fecal and vaginal immune response to a mucosally delivered HIV gp120-derived C4/V3 peptide *J. Repro. Immunol.* 45(2):99-112

Rasmussen,M.V., Barker T.T. and Silbart, L.K. (2001) High Affinity binding site-mediated prevention of chemical absorption across the gastrointestinal tract. Toxicology Letters 125:51-59

Lynch, M.P., Faustman, C., Silbart, L.K., Rood, D. and Furr, H.C. (2001). Detection of lipid-derived aldehydes and aldehyde:protein adducts in vitro and in beef. J. Food Sci. 66:1093-1099.

Papazisi, L., Silbart, L.K., Frasca Jr., S., Rood, D., Liao, X., Gladd, M. Javed, M.A. and S. J. Geary (2002) A Modified Live *Mycoplasma gallisepticum* Vaccine to Protect Chickens From Respiratory Disease. *Vaccine* 20:3709-19.

Wilkinson, J., Rood, D., Minor, D., Guillard, K., Darre, M. and Silbart, L.K. (2003) Immune Response to a Mucosally Administered Aflatoxin B1 Vaccine. *Poultry Science* 82:1565-1572.

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Silbart, L.K. (2006) Incorporating Problem-Based Learning Exercises into an Environmental Health Curriculum. Feature Aritcle: *J. Environ. Health 68(9):43-47.*

Srinivasan C, Lee J, Papadimitrakopoulos F, Silbart LK, Zhao M, Burgess DJ. (2006) Labeling and intracellular tracking of functionally active plasmid DNA with semiconductor quantum dots. Mol Ther. 2006 Aug;14(2):192-201. Epub 2006 May 12..

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using Slope Correction. Clinical and Vaccine Immunology 13(7): 802-805.

Challa S., Barrette R., Rood D., Zinckgraf J., French R., Silbart L. (2007) Non-toxic Pseudomonas aeruginosa exotoxin A expressing the FMDV VP1 G-H loop for mucosal vaccination of swine against foot and mouth disease virus. Vaccine. 2007 Apr 30;25(17):3328-37. Epub 2007 Jan 12.

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14. PubMed PMID: 21918121; PubMed Central PMCID: PMC3209021.

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10.1128/IAI.06078-11. Epub 2012 Jan 17. PubMed PMID: 22252865; PubMed Central PMCID: PMC3294651.

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Silbart, L.K. and D.F. Keren (1998) 'Structure and Function of the Gastrointestinal Immune System'. In: Pathology of the Gastrointestinal Tract, 2nd edition, pp 99-113, Eds: Ming S.and H. Goldman.

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M. Javed, M. Gladd, K. Cecchini, S. Frasca Jr., D. Rood, P. Hudson, S.J. Geary, L.K. Silbart. Correlates of Immune Protection in GT5 Vaccinated Chickens Challenged with Pathogenic *Mycoplasma gallisepticum* R_{low}University of Connecticut, Center of Excellence for Vaccine Research, Storrs, CT Abstract and oral presentation (M. Javed), CRWAD meeting, November 12-14, 2004, Chicago IL.

M. Javed*, M. Gladd, K. Cecchini, S. Frasca Jr., D. Rood, P. Hudson, S.J. Geary, L.K. Silbart. Correlates of Immune Protection in GT5 Vaccinated Chickens Challenged with Pathogenic *Mycoplasma gallisepticum* R_{low}. 77th Northeastern Conference on Avian Diseases, Cornell University, Ithaca, NY 6/15 – 6/17/05
[*Note: M. Javed won the “best oral present by a student” for his presentation]

S. Challa, R. Barrette, D. Rood, J.W. Zinckgraf, R.A. French and L.K. Silbart. Non-toxic *Pseudomonas aeruginosa* exotoxin A expressing the FMDV GH-loop: A novel mucosal vaccine against Foot and Mouth Disease. Accepted. American Association of Immunologists Annual Meeting, Boston, MA May, 2006.

S. Siddiqui and L. K. Silbart. Anesthesia affects allergen deposition and eosinophilia in the airways of BALB/c mice. Poster presentation at the American Association of Immunologists annual meeting, Boston, MA 2006

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meeting]

S. Siddiqui and L. K. Silbart. Anesthesia affects allergen deposition and eosinophilia in the airways of BALB/c mice. Poster presentation at the Graduate Student Research Forum of College of Agriculture and Natural Resources, University of Connecticut, Storrs, CT 2007

S. Siddiqui, J. Morris, N. Avery, D. Rood and L. K. Silbart. Pulmonary Inflammation correlates with allergen deposition in the lower respiratory tract in mouse model of allergic asthma. Poster presentation at the Experimental Biology (American Association of Immunologists annual meeting), San Diego, CA 2008

Szczepanek SM, Liao X, Tulman ER, Siddiqui S, Rood D, Gladd M, Wyand S, Silbart LK, Geary SJ. "Generation and Evaluation of an Attenuated Strain of *Mycoplasma pneumoniae*". 108th General Meeting of the American Society for Microbiology. Boston, Massachusetts (National). June 1-5, 2008. [Oral Presentation and Poster].

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Szczepanek SM, Barrett RW, Rood D, Silbart LK. "FMDV serotype O_1 peptide-based vaccines incorporating xeno-epitopes refocus humoral immune responses away from a major decoy epitope to alternative immunogenic sites". 91st Annual Meeting of the Conference of Research Workers in Animal Diseases. Chicago, Illinois (International). December 5-7, 2010. [Oral Presentation].

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Szczepanek SM, Barrett RW, Rood D, Silbart LK. "Xeno-epitopes Incorporated into FMDV VP1 G-H Loop-based Peptide Vaccines Induce Humoral Immune Refocusing" 45th Annual Northeast Regional meeting of the American Society for Microbiology, Albany, NY (Regional). November 9-10, 2010, [Poster, *BEST POSTER AWARD*].

Majumder S, Mohammed J, Szczepanek SM, Rood D, Geary SJ, Frasca S. Jr., Silbart LK. "*Mycoplasma gallisepticum* Infection Causes Up-Regulation of Inflammatory Mediators, Cytolytic Molecules and Pro-Apoptotic genes in Chickens". 45th Annual Northeast Regional meeting of the American Society for Microbiology, Albany, NY (Regional). November 9-10, 2010. [Poster].

Majumder S/Mohammed J, Szczepanek SM, Rood D, Geary SJ, Frasca S Jr., Silbart LK. "Expression of Inflammatory Mediators and Pro-apoptotic Genes During *Mycoplasma gallisepticum* Infection". 18th Conference of the International Organization for Mycoplasmology. Chianciano Terme, Italy (International). July 11-16, 2010. [Poster].

Secor ER, Guernsey LA, Szczepanek SM, Silbart LK, Thrall RS, Han D. "Identification of a Peptide Biomarker for Bromalin from *Ananas comosus Merr.*using LC-SRM/MS". 2012 NIH-NCCAM International Research Congress: Integrative Medicine & Health Conference. Portland, Oregon (National). May 15-18, 2012. [Poster].

Beck,J.; B Szczepanek, S.; Guernsey, L. ; Natarajan, P.; Shah, S.; Rafti, E.; Matson, A.,Schramm, C.;

Thrall, S.; Silbart, LK. and Secor Jr., ER. (2013) Bromelain, an anti-inflammatory pineapple extract, Limits Antigen Specific Responses in Allergic Sensitization. Forsch Komplementmed 2013;20(Suppl 1):P120 DOI:10.1159/000178122 ICCMR 2013 Conference April. London, England.

Secor Jr. ER Szczepanek S, Guernsey LA, Thrall RS, Silbart LK and Han DK**.** Identification of a Peptide Biomarker from Bromelain, an extract of Ananas comosus Merr, Using LC-SRM/MS. BMC Complementary and Alternative Medicine 2012, 12(Suppl 1) P22 doi:10.1186/1472-6882-12-S1-P22; IRCIMH Congress. May. Portland, OR.

Beaudet, J., Tulman, E., Pflaum, K., Liao, X., Korhonen, K., Silbart L.K., and Geary, S.J. (2015) Transcriptional Profiling of the Host Immune Response to *Mycoplasma gallisepticum*. Abstract (accepted). USA Mycoplasma Consortium for presentation June 24-25, 2015 (San Antonio, TX). 3rd USA Mycoplasma Consortium Meeting.

Beaudet, J., Tulman, E., Pflaum, K., Liao, X., K., Silbart L.K., and Geary, S.J. (2016) Transcriptional Profiling of the Host Immune Response to Virulent and Attenuated Vaccine Strains of *Mycoplasma gallisepticum*. Abstract (accepted). American Society for Microbiology for presentation June 16-20, 2016. ASM Microbe 2016.

Beaudet, J., Tulman, E., Pflaum, K., Liao, X., K., Silbart L.K., and Geary, S.J. (2016) Transcriptional Profiling of the Host Tracheal Immune Responses Following Infection with Virulent *Mycoplasma gallisepticum*. Abstract (accepted). International Organization of Mycoplasmology for presentation July 3-7, 2016 (Brisbane, Australia). 21st International Organization for Mycoplasmology Congress.

Academic Advising:

High School Students [laboratory training/exercises] (10):

Laura Kubica, Glastonbury High School
Glen Billings, Glastonbury High School
Beth Grossman, Glastonbury High School
Jasper Connor, NIH NCRR High School Student Apprentice Program
Larissa Consing, NIH NCRR High School Student Apprentice Program
Brian Burgess, Morgan High School, Clinton, CT
Philip Licitra, Glastonbury High School
Lauren Dugdale, Glastonbury High School
Laura Mothersele, Glastonbury High School
Rebecca Sawyer, Glastonbury High School

Undergraduate Academic Advisees [Environmental Health or Individualized Majors] (81):

Mary LeMieux (individualized major)
Irene Checchin
Poly Ingraham
Rob Hartley
Elizabeth Peterson (University Scholar)
Brook Reynolds
Tom Barrett
Jamie D'Agostino
Cara Endyke
Robin Fiorente
Rachel Grabowski
Larissa Graham
Alicia Heffernan
Julianna Kristoff
Julie Hansen
Laura Thibodeau
David Thomas
Madalina Totolici
Joe Zavalishin
Tonia Vassilowitch
Sheila Kitchen
Sheryl Kitchen
Nina Carte
Ashley Kay

Diana Orlando
Alaina Risotti
Louis Tuohy
Christy Quagliaroli
Melissa Krah
Varicia Vanterpool
Amanda Duran, Pre-Vet
Rich Kochan
Aaron Niderno
Nathalia Xavier
Curt Ciarleglio, Pre-Vet
Zacharie Goodreau, Pre-Vet
Bryan Winkler
Jessica McShane
Kyle Begey
Christopher Doran
Kristen Legutki
Mary Nolan
William Tucci
Thomas Vohoska
Alexandra Isenberg
Katelyn Hope
Philip Gorecki (University Scholar)
Emre Aksoy
James Doran
Elizabeth Fearnley
Andrea Fossa
Devan Newton
Matthew Tumpney
Bryan Winkler
Scott Adamson
Alex Craven
Morgan Caswell
Erin Cuyler
Bridget Teevan
Kathryn Hanrahan
Quentin Kreilmann
Patrick Larkin
John Chen
Alyssa Bucci
Evan Goldberg
Pam Herrara
Andrew Kavanah
Analise O'Dea
Sakthi Ramesh
Daniel Ware
Ryan Cirillo
Gerson Cisneros
Kara Priest
Jamie Swetz
Maria Tompkins
Deanna Willbanks
Sara Butter
Katelyn Hope
Max Mikolajczyk
Haley Brennan
Amber DeRobertis
Christine Drube
Patrick Larkin
Linda Sihaphong
Katherine Bell
Adrienne Nguyen
Haley Brennen
Vincent Infante

Undergraduate Independent Study Students Performing Laboratory Investigations/Honors Thesis (24):
*(an * denotes undergraduate students who were co-authors on peer-reviewed scientific papers)*

Soumya Routray*
James Samuel (Honors Thesis)
Cara Endyke
Frank McAleer* (First Authored Publication)
Jan Koudelka*
Allison Tobias*
Adriene Zuwallack*
Devon Minor*
Beth Wolfert*
Jessica Urbonas * (second author)
Daniel Zapata
Gretchen S Scheibel
Konstantina Gialelis
Kristen Digiulio
Lindsey Segundo
Naomi Avery (University Scholar)
Katarzyna Kaczmarek
Heather Wanczyk (post-bac)
Kathryn Saltzman
Christine Cappola
Bridget Teevan
Christen Bellucci (Honors Advisor)
Alyssa Matz (Honors Advisor – MCB)
Megan Seferian (Honors Thesis – Pathobiology)

Master's Degree Advising (36) Major or Co-Major Advisor (16) **in bold**:

John Wilkinson, M.S., Animal Science - Primary Advisor (Defended 2000)
Richard Johnson, M.S., Chemistry, Associate Advisor (Completed, 2002)
Courtney Snyder, M.S., (Plan B) Animal Science, Primary Advisor (Completed, 2001)
Daniela Fischer, M.S., Molecular and Cell Biology, Primary Advisor (Completed, 2002)
Omar Delgado, M.S.., (Plan B) Molecular and Cell Biology, Primary Advisor (Completed, 2002)
Letisha Wubbel, M.S. (Plan B), Animal Science (Completed 2001)
Casey Moyes, M.S., Animal Science, Associate Advisor (Completed, 2004)
Tolga Barker, M.S., Primary Advisor, Animal Science (Completed, 2003)
Eric Ling, M.S., Associate Advisor, Pathobiology
Chandrika Rajan, M.S., Associate Advisor, Pharmacy (Completed, 2005)
Evan Barry, M.S., Animal Science, Primary Advisor (Plan B)
Sheila Tucker, M.S., Animal Science, Primary Advisor (Plan B, Completed, 2004)
Nikoletta Kallinteris, M.S., Molecular and Cell Biology, Associate Advisor (Completed, 2001)
Ahmet Okur, M.S., Associate Advisor, Pathobiology, (Completed 2001)
Derek Stevens, MCB, Primary Advisor (Completed 2003)
Erica Poulin, PVS, Associate Advisor
Kara Beaudet, Animal Science Plan B M.S., Primary advisor
Amy Gates, PVS, Associate Advisor (Plan A)
Robert Proietto, M.S., ANSC, Associate advisor
Bridget Sullivan, M.S., Allied Health Sciences, Associate Advisor (Plan A)
Dana Elm, M.S. in Allied Health Sciences, Associate Advisor (Plan B)
Katy Peasley, M.S. in Allied Health Sciences, Associate Advisor (Plan B)

Geraldine Napoleone, Allied Health Sciences, Advisor (Plan B)
Maryann Fusco-Rollins, Animal Science, Advisor (Plan B)
Chun-Nian Chen, Molecular and Cell Biology, Associate Advisor (Plan B)
Heather Mispagel, Pathobiology and Veterinary Sciences, Associate advisor (Plan B)
Dana Dinatale, Nutritional Sciences, Associate Advisor (Plan A)
Jessica Altland, Allied Health Sciences, Associate Advisor (Plan A)
Heather Wanczyk, Animal Science, Major Advisor (Plan A)
Raymond Ward, Allied Health Sciences, Major Advisor (Plan B)
Clare Taracciano, Molecular and Cell Biology, M.S. (Plan B)
Avani Patel, Allied Health Sciences, Major Advisor (Plan B)
Chrisanthi Kanaris, Allied Health Sciences, Major Advisor (Plan B)
Frank Zappulla, M.S., Pathobiology, Co- major Advisor (Plan A)
Chenyang Jiang, M.S. Pathobiology, Associate Advisor (Plan A)
Nicole Faucette, M.S. Pathobiology, Major Advisor (Plan A)

Ph.D. Degree Advising (44); Major or Co-Major Advisor (12) in bold:

Jonas Winchell, Ph.D., Molecular and Cell Biology - Primary Adviser (Completed 1997)
Alfred Oliver, Ph.D., Animal Science - Primary Advisor (Completed, 1997)
Max Rasmussen, Ph.D., Animal Science - Primary Advisor (Completed 1999)
Michele Barber, Ph.D., Pathobiology - Associate Advisor (Completed 1998)
Lisa Borghesi, Ph.D., Molecular Cell Biology - Associate Advisor (Completed, 1995)
Jeehee Youn, Ph.D., Molecular and Cell Biology - Associate Advisor (Completed, 1996)
Warren Brooks, Ph.D., Molecular and Cell Biology - Associate Advisor (Completed, 2002)
John Zinckgraf, Ph.D., Molecular and Cell Biology – Advisor (Completed, 2002)
Michelle Elliott, Ph.D., Pathobiology, Associate Advisor (Completed, 2005)
Michael Lynch, Ph.D., Animal Science, Associate Advisor (Completed 1999)
Emel Canpolat, Ph.D. Molecular and Cell Biology, Associate Advisor (Completed, 2004)
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Michael Goedken, Ph.D., Pathobiology, Associate Advisor (Completed, 2004)
Milton Levin, Ph.D., Pathobiology, Associate Advisor (Completed, 2004)
Jiali Tang, Ph.D., Animal Science, Associate Advisor (Completed, 2005)
Roger Barrette, Ph.D., Primary Advisor, Animal Science (Completed, 2007)
Mohammed Javed, Ph.D., Primary Advisor, Animal Science (Completed, 2006)
Giovanni Rompato, Ph.D. Associate Advisor, Pathobiology (Completed, 2005)
Rupa Challa, Ph.D., Primary Advisor, Animal Science (Completed, 2008)
Shafiuddin Shafiuddin, Ph.D., Primary Advisor, Animal Science (Completed, 2008)
Meghan May, Ph.D. Pathobiology, Associate Advisor (Completed, 2006)
Haibing Yang, Ph.D. Plant Science, Associate Advisor (Completed, 2006)
Manoj Kumar, M. Ph.D., Animal Science, Associate Advisor (Completed, 2006)
Suman Surendranath, Ph.D., Animal Science, Associate Advisor (Completed, 2006)
Pedram Rezamand, Ph.D. Animal Science, Associate Advisor (Completed, 2006)
Charudharshini Srinivasan, Ph.D., Associate Advisor, Pharmacy (Completed, 2007)
Bo, Dai, Ph.D., Associate Advisor, Animal Science (CRB) (Completed, 2008)
Evan Barry, Ph.D. Animal Science (CRB; Completed 2009)
Chris Overand, Ph.D., Associate Advisor (PVS)
Steve Szczepanek, Ph.D., Associate Advisor (PVS), Completed 2009
Wei Ma, Ph.D., Plant Science, Associate Advisor (Completed, 2008)
Diana Alejo, Ph.D. Animal Science, Major Advisor (Completed, 2013)
Sanjukta Majumder, Ph.D. Animal Science, Major Advisor (Completed, 2014)
Eric Secor, Ph.D.; Public Health; Co-major Advisor (Completed, 2013)

Jamie Rice, Ph.D.; Molecular and Cell Biology; Associate Advisor (Completed, 2014)
Robin Walker, Ph.D. Plant Science, Associate Advisor (Completed, 2011)
Lindsey Swanson, M.S. Molecular and Cell Biology (Genetics); Associate Advisor (completed 5/11)
Kathryn Pietrosimone, Ph.D., Molecular and Cell Biology, Associate Advisor (Completed, 2013)
Yong Tang, Ph.D., Animal Science (Center for Regenerative Biology) Associate Advisor
Cheryl Bell, Ph.D., Genetics, Associate Advisor (Completed, 2014)
Jessica Beaudet, Pathobiology and Veterinary Science, Co-Major Advisor (Completed 2017)
Laurie Apuzzo, Molecular and Cell Biology (current)
Arlind Mara, Pathobiology and Veterinary Science (current)
Tyler Gavitt, Pathobiology and Veterinary Science (current)

Post-Doctoral Fellows Supervised (6):

Andrew Finley, Ph.D.
C.K. Pai, Ph.D.
Max Rasmussen, Ph.D.
John Zinckgraf, Ph.D.
Steve Szczepanek, Ph.D.
Ryan Clausen, Ph.D. (with Torigen Pharmaceuticals)

Professional Development:

High Performance Liquid Chromatography (HPLC) Training Course, March 11th – 13th, 1991, Beckman Instruments, Ann Arbor, MI

Audited a laboratory course in molecular biology techniques taught in MCB, Spring 1992.

Sabbatical Leave (Invited Visiting Associate Professor) 1/4/99 to 8/20/99, Department of Pediatrics, Harvard Medical School and G.I. Cell Biology Laboratory, Children's Hospital, Boston, MA (Sponsor: Dr. Marian Neutra).

Visiting Scholar, Harvard University School of Public Health. Attended approximately five seminars and roundtables per year, plus a three-day retreat for each of the past six years. These seminars focus on environmental and occupational health issues, epidemiology, toxicology and risk assessment. The program is coordinated by Ms. Ann Backus.

NIH Grant Writing Regional Seminar, Naragansett Bay Campus, URI 8/13/02 – all day seminar entitled "Grant Writing for Success: insights and Helpful Hints on Application Preparation" (Dr. A.M. Coelho, presenter).

Flow Cytometry Training, Becton-Dickinson, FACSCalibur Sort Key Operator (4-day training course). June 22nd to 26th, 1998, Mansfield MA.

Biacore (Surface Plasmon Resonance) Training Course (two-day) "BIA Basics." San Diego, CT 7/01

Biacore (Surface Plasmon Resonance) Training Course (one-day) "Kinetics and Affinity," Chicago, IL 11/01

Recently Appointed Administrators Workshop. University of Nebraska, 3-day workshop, Lincoln, Nebraska. June 4-7, 2007.

LEAD21 Leadership Development Program: Three one-week training sessions held in Indianapolis and Washington D.C. (2010 – 2011).

Sabbatical Leave: Torigen Pharmaceuticals, Farmington CT. Worked with a small team to develop research strategies and functional assays to assess tumor cell killing in a canine model. Wrote a corresponding NIH-SBIR grant (now pending).

Public Service/Outreach Activities:

CEH Conference - “Incorporating Molecular Mechanisms into Estimates of Cancer Risk.” April 23 & 24, 1992 (UCONN Bishop Center)

CEH Conference - “Pollution Prevention: From Policy to Pavement,” April 8 & 9, 1993 (UCONN Bishop Center)

CEH Conference - “Genetic Predisposition to Cancer.” May 6, 1994 (UCONN Bishop Center)

CEH Conference - “Breast Cancer.” April 6, 1995 (UCONN Bishop Center)

CEH Conference – “Health Risks of Farming”, all day conference 12/12/96 Bishop Center, Storrs, CT

CEH Conference – “Particulate Air Pollution and Human Health” UCONN Dodd Center, 12/11/97

CEH Conference - “Fungal Toxins: Challenges to Agriculture and Food Safety. 12/15/98

Listeria: Issues and Strategies, September 21st and 22nd, 2000. Bishop Center, UCONN Served as co-
organizer with Diane Hirsch and the Food Safety Team

Organized and Chaired Conference entitled: "Cooperative Decision Making in Managing Connecticut’s Enduring Superfund Sites" Dodd Center, 1/26/01

Sponsored Photo exhibit by Mr. Earl Dotter - "A Quiet Sickness" 1/25 - 3/16/01. Exhibit was the subject of many newspaper articles, including a feature article in the Hartford Courant.

Organized and Hosted a Visiting Scholars (Harvard University) Mini-conference entitled “The Warp and Woof of Complex Issues: Using Logic and Cognitive Science to Address Complex Environmental Issues. UCONN Dodd Research Center, March 16, 2001.

CEH Conference: Genetically Modified Foods: Impacts on Human Health and the Environment: Served as Conference co-organizer (with Dr. Chris Simon, EEB) – 2 day conference with 13 guest speakers 5/8-5/9/2003.

CEH Conference: Mad Cow and Related TSE Diseases: Science, Risk and Public Policy. Conference organizer (with a four person organizing committee). 10/6/2005. Dodd Center, Storrs, CT

Worked with a variety of students to develop nearly 400 web pages that provide the public with information on environmental health issues.

Field frequent telephone calls regarding Environmental Health Issues from the general public.

CEH Conference: “Mixed Messages in Public Health – It’s no wonder folks are confused” Full day conference, Dodd Center; October 22nd, 2010

CEH Sponsored Media Event: Movie Screening of “Sizzle – A Global Warming Comedy” followed by Q&A by the movies creator, Dr. Randy Olsen. October 21st, 2010

University Service:

Departmental:

- Building Safety Committee (chair, 9 years)
- Graduate Committee (chair, 6 years)
- G. White Building Renovation Committee (2 years)
- PTR committee - twice

College:

- Dean’s advisory committee on PTR (3 years)
- Food Safety Team (5 years)
- Agricultural Biotechnology Team (rarely meets)
- Faculty Advisor, Alpha-Zeta (Agricultural Honor/Service Fraternity – 2 years)
- Dean’s Faculty Advisory Council – 2 years
- Wildlife Team – 1 year
- Distance Learning Committee – 2 years

Search Committees:

- ANSC Large Animal Cloning (Dr. Jerry Yang)
- ANSC Department Head – (Dr. Ian Hart)
- ANSC/CRB Molecular embryologist – (Dr. Cindy Tian)
- ANSC/CRB Oocyte Developmental Biologist –(Dr. Ted Rasmussen)
- ANSC (Chair) Food Microbiology search, (Dr. Kumar Venkitanarayanan)
- ANSC/CEH Food allergy/toxicology; first search was unsuccessful, then position cancelled
- ANSC Department Head – two searches (‘05/06; Dr. Fletcher)
- Center of Excellence For Vaccine Research – Associate Professor in Residence (Dr. Lynn Rust)
- Center of Excellence For Vaccine Research – Assistant Professor in Residence (Dr.Tim Gorton)
- Pathobiology and Veterinary Science Department Head (Search unsuccessful – twice) Department of Nutrition, Functional Foods –Dr. Steven Davis
- Flow Cytometry and Confocal Microscopy Core facility; Facility Scientist – (Dr. Michele Barber) Flow Cytometry and Confocal Microscopy Core facility; Facility Scientist – (Dr. Carol Norris) MCB – Cell Signaling (Adam Zweifach)MCB – Cancer Center (Su Dharmawardhane)AHS – Molecular Genetics (Yih-Woei Fridell)AHS – Health Promotion (Michael Copenhaver)Center for Continuing Studies – Peter Diplock, Associate Director Center for Continuing Studies – Paul Bureau, Occupational Health and Safety
- SNAP-Ed Administrative Program Direct, Donna Zigmont
- Chair of Environmental Health and Safety Director Search (01/2011)
  UCHC Industrial Hygiene, Assistant Professor, 2011-2012
- Dean’s Search Committee, CANR (Dean Weidemann); 2008

- CANR – Associate Dean of Research Search (Chair); 2012 (Dr. Michael O'Neill)
- Director of Research Development Search; 2012-2013
- AHS – Lecturer/Advisor Search Chair (Hired Ms. Lauren Wilson) – 2012
- AHS – Hawley Armory Director Chair (Hired Ms. Janet Rochester) – 2012
- AHS – Biostatistics Search Chair (Hired Dr. Tania Huedo-Medina) – 2012
- AHS – Medical Laboratory Sciences Faculty Search (2013)
- PVS – Eminent Scholar Search – Vaccinology (2013)
- Pharm – Endowed Chair search in mechanistic toxicology (2019)
- PVS – CVMDL director search (Frasca) - 2020

University Committees

- Laboratory Safety Committee (Chair, 6 years)
- Environmental Science Undergraduate Program Steering Committee (12 years)
- Toxicology Program Steering Committee (15 years)
- Graduate Faculty Council (two, 3-year terms)
- Ad Hoc Investigations Committee (ERI) – Scientific Misconduct (4 months)
- Institutional Biosafety Committee (2 years); Vice Chair '05-'06
- Environmental Science Steering Committee (for reformation of ERI; 1 year)
- Conflict of Interest Committee (7 years; Chair 2004 - 2011)
- Strategic Planning Team – Center for Public Health and Health Policy (2 years)
- Academic Program Development Task Force (2 years)
- Occ. Environmental Health Ph.D. program co-chair (2 years)
- Environmental Literacy Committee – 2 years
- University Senate ('06 – '09)
- Board of Trustees Distinguished Professor Selection Committee (3 years)
- University Senate Representative on the Board of Trustees (Institutional Advancement); 2012-13
- University Academic Visioning Committee 2013-2014
- University IT Governance Committee 2012-2013
- Board of Trustees Distinguished Professor Committee 2018 - 2021

Grant Proposals and Manuscripts Reviewed as Ad Hoc or Panel Member:

Federal Grant Review Panels:

National Institutes of Health Special Emphasis Panel – RFA-03-017 "Cooperative Research for the Development of Vaccines, Adjuvants Therapeutics and Diagnostics for Biodefense (VATID) and SARS" 2/17 – 2/19/04

USDA Animal Health (Panel B) – National Research Initiative Competitive Grants Program Panellist 5/3 - 5/7/04

USDA Animal Health (Panel B) – National Research Initiative Competitive Grants Program Panellist 5/3 - 5/7/05

USDA Animal Health (Panel B) - National Research Initiative Competitive Grants Program Panellist – [5/8/06]

[Note: Declined two invitations to serve on NIH study panels due to conflict of interest (1) and insufficient familiarity with subject area (1)].

Ad Hoc Federal Grants Reviewed:
Department of Veterans Affairs, Office of External Reviews

U.S. Civilian Research and Development Foundation (CRDF)

USDA Animal Health

Special Initiatives:

UConn Academic Plan (2014)
UConn Tech Park – Innovation Partnership Building Planning (2014 – 2017)
Undergraduate Major in Public Health Exploratory Planning Committee (2016 – 2017)

University Grant Review Panels:

Chair of UCRF Research Advisory Council's Life Sciences Review Panel, Fall 2000 – June 2001 (two cycles – 29 proposals).

Panelist for the UCRF Research Advisory Council's Life Science Review Panel:
Written reviews prepared for 18 proposals (1996/7).

American Cancer Society – Institutional Research Grant Program (UCHC – two three-year cycles – many proposals).

Center for Environmental Health Small Grants program – 2 years

Many prospectus/dissertation proposals and general examination committees for Pharmacy, Pathobiology, MCB and Animal Science Students.

Ad Hoc Reviewer of Manuscripts for the following Journals:

J. Interferon and Cytokine Research
Vaccine
Cellular Immunology
J. Immunological Methods
J. Animal Science
J. Food Science
Clinical and Diagnostic Laboratory Immunology
Clinical and Vaccine Immunology
J. Pharmacology and Experimental Therapeutics
Avian Pathology
Infection and Immunity
Microbes and Immunity
Microbial Pathogenesis
Toxicological Sciences
International Journal of Cancer
American Journal of Respiratory and Critical Care Medicine
Journal of Clinical Microbiology
Virology
Archives of Microbiology
The Veterinary Journal
PLoS One
JOVE

Editorial Board Appointments:

Clinical and Vaccine Immunology (ASM Journal). Appointed 1/1/06 – 12/31/08
Reappointed: January 1, 2009 – December 31st, 2011

The Open Vaccine Journal

Environmental Health Insights (9/08)

Grants and Fellowships Held (1991-Present)

Federal Extramural Grants Funded; 1991- Present

USPHS (NIH) National Cancer Institute: "Mucosal Immune Response to Aflatoxin B1" 9/6/91 – 4/30/94 $276,000.

Smokeless Tobacco Research Council: "Continued Development of Mucosal Vaccines for Carcinogens." 7/91 to 6/93 $171,882

USPHS (CDC - ATSDR) "Environmental Health Conferences" 9/92-9/93 $4,976.

US-PHS (NIH; NIAID, NCVDG) "Peptide Immunogens for mucosal and Systemic HIV Vaccines. P.I. Barton Haynes (Duke University). UCONN Sub-project (LKS) $351,360. 12/94 to 11/97

Protein Sciences Inc. "Vaccines trials for avian influenza virus." 6/1/97 – 5/31/98 (Co-P.I. with Michael Darre – 50%) $23,143

Bioadhesive microspheres for oral DNA Vaccination. Spherics Inc. (Subcontract on NIH SBIR grant, 9/15/00 - 9/15/01) $ 22,695 Direct Costs.

USDA Equipment Grant: Expression Studies by Real-Time PCR – Request for Equipment P.I.: Dr. Susanne Von Bodman. Silbart – one of five co-P.I.'s. Total Direct Costs Requested: $20,000 (shared instrument)

Development of Mucosal Peptide Vaccines for FMDV. USDA-NRI $200,000 (2003-2005).

Development of Mucosal Peptide and DNA Vaccine for FMDV. USDA Special Grant, Direct cost $381,203 (1999-2004)

Mycoplasma gallisepticum Vaccine. USDA Special Grant, Direct cost: $363,909 (1999-2004)

Connecticut Innovations Inc. (CII) "Development of a Mycoplama gallisepticum strain as a live-attenuated vaccine and vector for the protection of chickens and turkeys from respiratory disease. Co-P.I of project with Drs. Geary, Markus and Sekellick). Direct costs: $78,668 (LKS); overall grant $300,000.

Harvard University Stipend - $1,000 award for computer purchase in support of developing web-based learning platforms. 7/2000.

USDA – Mechanism to induce mucosal immunity to FMDV. 10/08 – 9/30/12 $600,956 (direct costs to LKS lab).

CT-Department of Economic and Community Development. Research and Development Project for EpitoGenesis. 06/2013-06/2016. $800,000.

EDA-UConn Tech Park Partnership Support. 05/13-12/15. $286,427.

USDA-NIFA—Broadening Immunity to Foot and Mouth Disease Virus in Swine. 01/15-12/16. Co-PI with Steven Szczepanek. $150,000.

USDA-ARS-Development of Strategies to Enhance the Immune Response to FMDV. 02/15-01/16 $156,805. Co-PI with Dr. Steven Szczepanek.

UDA-ARS- Development of Improved Foot-and-Mouth Disease Vaccines and Biothreaputics, 02/14-08/17. $761,041

EDA-Quiet Corner Innovation Cluster. 01/2016-12/18. Co-PI with Hadi Bozorgmanesh. $1,500,000 (1/3, 1/3, 1/3) Federal, State and UConn.

NIH-SBIR Phase I; "A Canine/Mouse Immuno-Oncology Pre-Clinical Testing Model" $224,000 (UConn Subcontract = $50,000). A. Kalinauskas (PI); Silbart Co-PI of subcontract. [**Pending resubmission**]. 9/1/2018 – 4/1/2019.

Sponsored Research Agreement – Torigen Pharmaceuticals Inc. Characterization of Immune Activation Following Vaccination with Autologous Canine Cancer Vaccines. $76,847. 5/23/18 – 5/22/19; Continuation - $116,212 5/23/19 – 5/22/2020

Total Extramural Funding (1991-present) > $6,100,000 (as PI or Co-PI).

Competitive Intramural Funding (UCONN):

UCRF Faculty Large Grant: Elicitation of a Mucosal Immune Response to HIV Synthetic Peptides" 1/93 – 12/93 $10,024.

UCRF Faculty Large Grant: The Influence of anti-carcinogen antibodies on mucosal absorption of carcinogens. 1/94 to 12/94 $13,889.

UCRF Faculty Large Grant: Reduction of oral mucosal DNA damage by carcinogen-specific salivary immunity. $6,657

UCRF Faculty Large Grant Developing DNA Vaccines to Block Latex Allergy, Competition, $14,159 (funded 1/04 to 12/04)

UCRF Faculty Large Grant – Genetic Vaccination to Induce Mucosal Immunity to HIV-1. 1/1/98 – 12/31/99 $15,000

UCRF Major Equipment Grant – FACSCalibur Fluorescence Activated Cell Sorting Core Facility (Co-P.I. with Michael Lynes, MCB) $72,665

UCRF Faculty Large Grant: 7/1/2011 – 6/30/2012 Immunological intervention in oral carcinogenesis using recombinant antibody technology. $25,000 direct costs to LKS lab.

Hatch Projects:

Mucosal Immunosuppression following immunization with AFB1-Protein conjugates. 10/92 to 9/95 $41,510

Mucosal Immune exclusion of Dietary Aflatoxin B1 in Broiler Chickens via active and passive immunity. 10/95 to 9/98 $49,884.

Development of a mucosal Mycoplasma gallisepticum vaccine for poultry. 10/98 to 9/01 $26,946.

Mycoplamsa Mucosal Vaccine, 10/01 to 9/04. $33,342.

Mechanism of Mycoplasma Immunopathology; ~$20,000/year (2011 – 2013)

The Role of Cytadherence in *Mycoplasma gallisepticum* Signaling and Inflammation; 10/31/2013-09/30/2018. ~$20,000/year

Courses Developed and Taught:

Environmental Health (Undergraduate and Graduate Level): 3-credits. Developed and solo taught this course on an annual basis from 1991 – 2013; 2018-2019. Enrollments started at four students, but steadily grew to over 70 per semester.

Food Safety (and Microbiology): Co-taught this three-credit undergraduate course with Dr. Faustman from 1994 – 2003. Enrollments typically ran from 20 – 30 students. Responsible for 50% of the course covering chemical contents and contamination of food, risk assessment etc.

Vaccines and Mechanisms of Immune Protection: Co-taught this 3-credit graduate course with Dr. Steve Geary on an alternate year basis from 2000 – 2013, scheduled for Spring 2020. Responsible for lectures covering immunology, vaccine development, adjuvants, mucosal immunology, and social issues surrounding vaccine acceptance and related topics.

Environmental Exposures and Risk Assessment: Co-taught this 3-credit graduate course with Dr. Nicholas Warren as part of the doctoral program in public health at the UConn Health Center on alternate years.

News Media

College of Ag. & Nat. Res. Journal 2(2):5-6 1995 "College scientist conducts research on AIDS, breast cancer, farm odor pollution and toxins in food."

"Studying the impact of environment on health" Lead Story. Hometown. April 7, 1994.

Longevity Magazine: "The war against cancer..." January, 1993

UCONN Advance – Feb 9 1998 "Faculty Experts offer insights on danger of biological warfare in Middle East.

Radio interviews: WILI and WHUS – 97/98
Radio interviews: WILI and WHUS – 6/12/07

UCONN Advance; November 19th, 2001 "Bioterrorism Threat Real, But Not Cause for Panic."

Professional Organizations or Societies:

The American Association for the Advancement of Science
The American Association of Immunologists
The American Society of Investigative Pathology
The American Society of Microbiology
The International Organization of Mycoplasmology
Society for Mucosal Immunology

Hobbies: Classical piano, racquetball (2x UConn IM champion, 2013 & 2018), golf (best score = 78), chess (class B; 1832 ranking, Chess.com), auto restoration (’89 Firebird), hiking, camping, reading.

References: Available upon request