

## CURRICULUM VITAE (2020)

### I. PERSONAL INFORMATION

#### SUSAN HYMES PROSS

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#### PLACE OF BIRTH:

New York, NY

### II. PROFESSIONAL DEVELOPMENT

#### EDUCATION:

1966 - 1970 Cornell University, Ithaca, NY - Biology/Education, B.S., 1970  
1970 - 1975 University of Pennsylvania, Philadelphia, PA - Biology, Ph.D., 1975

#### CAREER DEVELOPMENT:

1970 - 1974 Graduate Student/Teaching Assist. Dept. of Biology. U. of Pennsylvania, Philadelphia, PA  
1975 Instructor, Dept. Biology, Hillsborough Community College, Tampa, FL  
1975 Postdoctoral fellow, Dept. Medical Microbiology and Immunology, USF COM, Tampa, FL  
1983 Visiting Assistant Professor, Dept. Chemistry, USF, Tampa, FL  
1986 - 1990 Visiting Assist. Prof., Dept. Medical Microbiology and Immunology, USF COM, Tampa, FL  
1990 - 2001 Assistant Professor, Dept. Medical Microbiology and Immunology, USF COM, Tampa, FL  
2001 – 2005 Associate Professor, Dept. Medical Microbiology and Immunology, USF COM, Tampa, FL  
2005 – 2010 Associate Professor, Dept. Molecular Medicine, USF College of Medicine, Tampa, FL  
2005 – 2006 Faculty Co-Chair for LCME Accreditation  
2006 – Present Director Scholarly Concentrations Program (per 2015 now Co-Director)  
2015 – 2018 Co-Director RISE (Research Innovation Scholarly Endeavors)  
2011 – Present Professor, Dept. Molecular Medicine, USF College of Medicine, Tampa, FL

### III. RESEARCH SCHOLARLY ACTIVITIES

#### RESEARCH INTERESTS:

Immunology; educational development and assessment

#### RESEARCH GRANTS: PREVIOUS SUPPORT AS PI:

**Agency:** USF Aging Program  
**Title:** Vaccination Efficacy in the Aged Population  
**Per./Dir. Costs** 7/1/96 - 6/30/97; \$7500

**Agency:** Research and Creative Scholarship Grant - USF  
**Title:** Effect of Stress and Immunity as a Function of Age  
**Per./Dir. Costs** 1/1/96 - 12/31/96; \$7500

**Agency:** NIDA RO1 DAO6385-01A1  
**Title:** Immune Modulation by Marijuana: Function of Age  
**Per./Dir. Costs** 4/90 - 3/93; \$332,049

**Agency:** American Heart Association – Florida Branch  
**Title:** Cardiovascular disease and Stroke:

Impact of Nicotine on Cytokines, Cellular Adhesion Molecules and Apoptosis  
 Per. /Dir. Costs 07/01/00-06/30/02; \$60,000

#### PUBLICATIONS – BIOMEDICAL RESEARCH:

##### Papers (\* = co-primary author)

1. **Pross, S. H.**, and D. T. Rowlands, Jr. 1975. Immunity in the developing amphibian. *Adv Exp Med Biol*. 64:373-82.
2. Fishel, C. W., **S. H. Pross**, and T. W. Klein. 1976. The effect of Bordetella pertussis on rosette-forming cells present in the peritoneal fluids of mice. *J Reticuloendothel Soc.* 19:97-108.
3. **Pross, S. H.**, J. A. Hallock, R. Armstrong, and C. W. Fishel. 1977. Complement and Fc receptors on cord blood and adult neutrophils. *Pediatr Res.* 11:135-7.
4. **Pross, S. H.**, T. W. Klein, and C. W. Fishel. 1977. Ribonucleoside and nucleotide components of normal human blood lymphocytes and platelets. *Proc Soc Exp Biol Med.* 154:508-12.
5. Klein, T. W., **S. H. Pross**, and W. R. Benjamin. 1978. Characterization of mouse peritoneal exudate and associated leukocyte adherence inhibitory activity after intraperitoneal injection of either Bordetella pertussis or *Corynebacterium parvum* vaccines. *Infect Immun.* 22:778-85.
6. Benjamin, W. R., T. W. Klein, **S. H. Pross**, and H. Friedman. 1981. Inhibition of mononuclear phagocyte elongation, migration, and cellular exudate formation following Bordetella pertussis vaccine administration. *Proc Soc Exp Biol Med.* 166:249-56.
7. **Pross, S.**, T. Klein, C. Newton, and H. Friedman. 1987. Differential effects of marijuana components on proliferation of spleen, lymph node and thymus cells in vitro. *Int J Immunopharmacol.* 9:363-70.
8. **Pross, S.**, T. Klein, C. Newton, and H. Friedman. 1987. Enhanced suppression of blastogenic responses by weanling mouse lymphoid cells treated with tetrahydrocannabinol *in vitro*. *Proc Soc Exp Bio Med.* 186:17-20.
9. **Pross, S.**, C. Newton, T. W. Klein, and H. Friedman. 1987. Age-associated differences in cannabinoid-induced suppression of murine spleen, lymph node and thymus cell blastogenic responses. *Immunopharmacology.* 14:159-68.
10. Spitzer, J. A., H. Friedman, C. Newton, R. Widen, **S. Pross**, and T. W. Klein. 1987. Suppressed *in vitro* blastogenic responsiveness of rat spleen cells after continuous infusion of endotoxin by an implanted osmotic pump. *Proc Soc Exp Biol Med.* 186:21-6.
11. Friedman, H., T. Klein, S. Specter, **S. Pross**, C. Newton, D. K. Blanchard, and R. Widen. 1988. Drugs of abuse and virus susceptibility. *Adv Biochem Psychopharmacol.* 44:125-37.
12. **Pross, S.H.**, T.W. Klein, C.A. Newton, J. Smith, R. Widen, and H. Friedman. 1990. Differential T-cell subpopulations by THC (delta-9- tetrahydrocannabinol). *Int J Immunopharmacol* 12:539-544.
13. **Pross, S.H.**, T.W. Klein, C. Newton, J. Smith, R. Widen, and H. Friedman. 1990. Age-related suppression of murine lymphoid cell blastogenesis by marijuana components. *Dev Comp Immunol* 14:131-137.
14. **Pross, S.**, C. Newton, T. Klein, R. Widen, J. Smith, and H. Friedman. 1991. Suppression of T lymphocyte subpopulations by THC. *Adv Exp Med Biol* 288:113-117.
15. **Pross, S.H.**, Y. Nakano, R. Widen, S. McHugh, C.A. Newton, T.W. Klein, and H. Friedman. 1992. Differing effects of delta-9-tetrahydrocannabinol (THC) on murine spleen cell populations dependent upon stimulators. *Int J Immunopharmacol* 14:1019-1027.
16. **Pross, S.**, Y. Nakano, J. Smith, R. Widen, A. Rodriguez, C. Newton, and H. Friedman. 1992. Suppressive effect of tetrahydrocannabinol on specific T cell subpopulations in the thymus. *Thymus* 19:97-104.
17. **Pross, S.**, C. Newton, R. Widen, T.W. Klein, H. Friedman, and J.A. Spitzer. 1992. Splenocyte blastogenesis suppressed in rats implanted with an osmotic pump. *Life Sci* 50:99-108.
18. **Pross, S.H.**, Y. Nakano, S. McHugh, R. Widen, T.W. Klein, and H. Friedman. 1992. Contrasting effects of THC on adult murine lymph node and spleen cell populations stimulated with mitogen or anti-CD3 antibody. *Immunopharmacol Immunotoxicol* 14:675-687.
19. **Pross, S.**, Y. Nakano, R. Widen, S. McHugh, and H. Friedman. 1993. Age related immunomodulation in murine splenocytes induced by delta-9- tetrahydrocannabinol (THC). *Mech Ageing Dev* 68:11-26.
20. **Pross, S.**, Y. Nakano, S. Bowen, R. Widen, and H. Friedman. 1993. Effects of marijuana on spleen lymphocytes from mice of different age groups. *Adv Exp Med Biol* 335:73-80.
21. Rast, J.P., R.N. Haire, R.T. Litman, **S. Pross**, and G.W. Litman. 1995. Identification and characterization of T-cell antigen receptor-related genes in phylogenetically diverse vertebrate species. *Immunogenetics* 42:204-212.

22. Snella, E., **S. Pross**, and H. Friedman. 1995. Relationship of aging and cytokines to the immunomodulation by delta-9- tetrahydrocannabinol on murine lymphoid cells. *Int J Immunopharmacol* 17:1045-1054.
23. Ramarathinam, L., **S. Pross**, O. Plescia, C. Newton, R. Widen, and H. Friedman. 1997. Differential immunologic modulatory effects of tetrahydrocannabinol as a function of age. *Mech. Ageing Dev* 96:117-126.
24. Hakki, A., N. Hallquist, H. Friedman, and **S. Pross**. 2000. Differential impact of nicotine on cellular proliferation and cytokine production by LPS-stimulated murine splenocytes. *Int J Immunopharmacol* 22:403-410.
25. Hallquist, N., A. Hakki, L. Wecker, H. Friedman, and **S. Pross**. 2000. Differential effects of nicotine and aging on splenocyte proliferation and the production of Th1-versus Th2-type cytokines. *Proc Soc Exp Biol Med* 224:141-146.
26. Hakki, A., K. Pennypacker, S. Eidizadeh, H. Friedman, and **S. Pross**. 2001. Nicotine Inhibition of Apoptosis in Murine Immune Cells. *Exp Biol Med* 226:947-953.
27. Hakki, A., H. Friedman, and **S. Pross**. 2002. Nicotine modulation of apoptosis in human coronary artery endothelial cells. *Int Immunopharmacol* 2:1403-1409.
28. Nora Hallquist, Herman Friedman, and **Susan Pross**, Effects of Nicotine on Immunity, *Science and Medicine*, 8: 46-51, 2002
29. Mamata, Y., A. Hakki, Y. Yamamoto, C. Newton, T.W. Klein, **S. Pross**, and H. Friedman. 2005. Nicotine modulates cytokine production by Chlamydia pneumoniae infected human peripheral blood cells. *Int Immunopharmacol* 5:749-756.
30. Patton, G.W., D.A. Powell, A. Hakki, H. Friedman, and **S. Pross**. 2006. Nicotine modulation of cytokine induction by LPS-stimulated human monocytes and coronary artery endothelial cells. *Int Immunopharmacol* 6:26-35.

**ABSTRACTS AND TALKS – BIOMEDICAL RESEARCH (1990 – present).**

1. **Pross, S.**, Widen, R., Newton, C., Klein, T., and Friedman, H. Changes in T cell markers during murine development. *Amer Assoc Immunol*, New Orleans, LA, 1990.
2. **Pross, S.**, Newton, C., Widen, R., Smith, J., Klein, T., and Friedman, H. Differential suppression of murine T lymphocyte subpopulations by THC. *Amer Assoc Immunol*, New Orleans, LA, 1990.
3. Pili, R., Newton, C., Widen, R., Smith, J., **Pross, S.**, Klein, T., and Friedman, H. Effects of delta-9-tetrahydrocannabinol on the proliferation of murine splenic lymphocyte subsets. *Amer Assoc Immunol*, New Orleans, LA, 1990.
4. **Pross, S.** Nakano, Y, McHugh, S, Newton, C., and Widen, R. Suppression of CD3 and alpha beta T cell receptor stimulation. *ASM*, Dallas, TX, 1991.
5. **Pross, S.**, Nakano, Y., Smith, J., Widen, R. Rodriguez, A. Newton, C., and Friedman, H. Suppressive effect of tetrahydrocannabinol on murine thymic cell populations. *FASEB*, Atlanta, GA, 1991.
6. Nakano, Y., **Pross, S.**, McHugh, S. Newton, C., and Friedman, H. Relationship of THC induced immunomodulation and IL-2 activity in murine splenocytes and lymph node cells. *Fifth International Congress on Immunopharmacology*, Tampa, FL, 1991.
7. **Pross, S.**, Nakano, Y., Newton, C., and Friedman, H. Effect of age on immunomodulation by delta-9-tetrahydrocannabinol (THC). *International Immunology Congress*, Budapest, Hungary, 1992.
8. Nakano, Y. **Pross, S.**, Zhu W, and Friedman, H. THC modulation of interleukin 2 activity and receptor expression by spleen cells from mice of varying ages. *Int. Immunol Congress*, Budapest, Hungary, 1992.
9. Nakano, Y., **Pross, S.**, Newton, C., and Friedman, H. THC induced modulation of IL-2 activity in mitogen stimulated splenocytes of mice of varying ages. *FASEB*. Anaheim, CA, 1992.
10. **Pross, S.**, Nakano, Y., McHugh, S. Widen, R., and Friedman, H. Effect of delta-9-tetrahydrocannabinol (THC) on spleen cells from mice of different ages. *FASEB*. Anaheim, CA, 1992.
11. **Pross, S.**, Nakano, Y., Widen, R., and Friedman, H. Age related differential immunomodulation by delta-9-tetrahydrocannabinol (THC) on murine splenocytes. *USF COM Research Day*, Tampa, FL, 1992.
12. **Pross, S.**, Nakano, Y., Bowen, S. Widen, R., and Friedman, H. Effects of marijuana on splenic lymphocytes from mice of different age groups. *Int. Symposium on Drugs of Abuse*, Tampa, FL, 1992.
13. **Pross, S.**, Nakano, Y., Klein, T., and Friedman, H. Contrasting immunomodulatory effects of delta-9-tetrahydrocannabinol (THC) and 11-OH THC on splenocytes from mice of different ages. *Int Cannabis Res Society*, Keystone, CO, June, 1992.
14. **Pross, S.**, Bowen S., Nakano, Y., and Friedman, H. Role of adherent cells in the differential

- blastogenesis and cytokine production of lymphoid cells from mice of different ages. Soc. Leukocyte Biology, Charleston, SC, 1992.
15. **Pross, S.**, Fink, M., Snella, E., Newton, C., and Friedman, H. T-cell mediated response affected by marijuana: function of age. ASM., Atlanta, GA, 1993.
  16. Coffey, R.G., and **Pross, S.**, Tetrahydrocannabinol (THC) inhibition of macrophage nitric oxide production. Amer. Assoc. Immunol. Denver, CO, 1993.
  17. Coffey, R.G., Yamamoto, Y., Snella, E., Williams, J. F., Clark, M., Johnson, K., and **Pross, S.** Delta-9-tetrahydrocannabinol (THC) inhibition of macrophage and hepatocyte nitric oxide (NO) production. Fifteenth Annual Meeting of the Southeastern Pharmacology Society (SEPS) Clearwater, FL, 1994.
  18. **Pross, S.**, Snella, E., Pruitt, A., and Widen, R. Suppression of spleen and lymph node immunity by a combination of dexamethasone and THC. 93rd General Meeting of the ASM, Las Vegas, NV, 1994.
  19. Bercu, B. B., Engelman, R., **Pross, S.**, and Walker, R. Perspectives in Immunology and Medicine, Immune responses to chronic administration of GH secretagogues in aged rats, Clearwater Beach, FL, 1994.
  20. Crucian, B., Dunne, P., Friedman, H., Ragsdale, R.G., **Pross, S.**, and Widen, R. Increase in IL-10 production by multiple sclerosis patients peripheral blood mononuclear cells in response to MBP detected at the RNA and protein level. Exp. Biol., Atlanta, GA, 1995.
  21. **Pross, S.**, Snella, E., and Friedman, H. Effect of cytokines on the age dependent immunomodulation of delta-9-tetrahydrocannabinol. Exp. Biol., Atlanta, GA, 1995.
  22. Rocha, G., J.C. Sanchez-Thorin, Y. Yamamoto, B. Bowyer, L. Chandler, **S. Pross**, S.X. Stevens, H. Friedman, J. Deschenes, and Rowsey, J.J., Gene expression in the rat during corneal graft rejection. World Congress on the Cornea, IV, Orlando, FL, 1996.
  23. Rocha, G., J.C. Sanche-Thorin, Y. Yamamota, B. Bowyer, **S. Pross**, S.X. Stevens, H. Friedman, J. Deschenes, and Rowsey, J.J. mRNA analysis in rat cornea and iris/ciliary body in normal, prevascularized and previously grafted eyes. Investigative Ophthalmology and Visual Science vol 37 1996.
  24. Ramarathinam, L., **Pross, S.**, Plescia, O.J., and Friedman, H. Differential immunologic modulatory effects of THC as a function of age. First Int. Conference on Immunology and Aging, Bethesda, MA, 1996.
  25. **Pross, S.**, Hakki, A., Newton, C., Klein, T., and Friedman, H. Nicotine modulation of cytokine formation by murine spleen cells defining Th1 vs. Th2 helper cells. Drugs of Abuse, Immunomodulation and AIDS. Scottsdale, AZ, 1998.
  26. Friedman, H., Hakki, A., **Pross, S.**, and Klein, T. Endotoxin stimulation of immune function: modulation by the illicit drug marijuana and addictive nicotine. The fifth conference of the International Endotoxin Society, Sante Fe, NM, 1998.
  27. **Pross, S.**, Hakki, A., Hallquist, N. and Friedman, H. Cytokine production in LPS stimulated macrophages-modulation by nicotine. ASM, Chicago, IL, 1999.
  28. **Pross, S.**, Hakki, A., Hallquist, N., Wecker, L., Newton, C and Friedman, H. Immunomodulation by nicotine: effects of cytokine production by murine macrophages and lymphocytes. Exp. Biol. Washington DC, 1999.
  29. Hakki, A., Hallquist, N., Wecker, L. Friedman, H. and **Pross, S.** Impact of nicotine on cytokine production as a function of murine age. CPDD Mexico, June 1999.
  30. **Pross, S.**, Hallquist, N., Hakki, A., Wecker, L. and Friedman, H. Nicotine action on murine lymphocytes and macrophages as a function of age Respiratory symposium, Sante Fe, New Mexico, 1999.
  31. Hallquist, N. Widen, R. Cuevas, J., Wecker, L., Friedman H. and **Pross, S.** Nicotinic Acetylcholine Receptor (nAChR) Subunits associated with Immune Organs and Cells. Training Grant Symposium, Tampa, FL, March 2000.
  32. Hallquist, N., Hakki, A., Cuevas, J., Widen, R., Wecker, L., Friedman, H., and **Pross, S.** Nicotinic receptors: impact on immune function. AAI Seattle, WA, May 2000.
  33. Hallquist, N., Hakki, A., Cuevas, J., Widen, R., Wecker, L. Pennypacker, K., Friedman, H. and **Pross, S.** Nicotinic Receptors and Immunity. 2000 Suncoast Biotechnology Conference, Tampa, FL October 2000.
  34. Patton, G.W., Hakki, A., Hallquist, N., Pennypacker, K., Friedman, H, and **Pross, S.** Modulation of immune parameters by nicotine, a molecular approach. Ann Meeting Soc of Toxicol, San Francisco, 2001,
  35. Hakki, A., Pennypacker, K., Eidizadeh, S., Friedman, H., and **Pross, S.** Down-regulation of dexamethasone-induced apoptosis by nicotine. FASEB, Orlando, 2001.

36. Hallquist, N., Cuevas, J., Widen, R., Friedman, H., and **Pross, S.** Nicotine receptors located to immune cells. FASEB, Orlando, 2001.
37. Patton, G., Friedman, H., Wecker, L., **Pross, S.** Impact of nicotine on cytokines involved with atherosclerosis and inflammation. FASEB, Orlando, 2001.
38. **Pross, S.**, Hakki, A., Pennypacker, K., and Friedman, H. Nicotine inhibits apoptosis of lymphocytes, role of specific receptors. CPDD, Phoenix, AZ, 2001.
39. Hakki, A., Thomas, A., Friedman, H., **Pross, S.** Nicotine immunomodulation of human coronary artery endothelial cells. FASEB, New Orleans, LA, 2002.
40. Patton, G.W., Harasz, J., Friedman, H., **Pross, S.** Nicotine alteration of cytokines/chemokines in human coronary artery endothelial cells. FASEB, New Orleans, LA 2002.
41. Patton, G.W., Harasz, J., Friedman, H., **Pross, S.**, Cytokine modulation by nicotine and LPS in human coronary artery endothelial cells. CPDD, Quebec City, Canada 2002,
42. Hakki, A., Friedman, H., **Pross, S.**, Nicotine immunomodulation of apoptosis in human coronary artery endothelial cells. CPDD, Quebec City, Canada 2002.
43. **Pross, S.** Nicotine-induced immunomodulation, talk, CPDD, Quebec City, Canada 2002
44. Patton, G.W., Harasz, J., Friedman, H., **Pross, S.**, Endotoxin induction of cytokines/chemokines in human coronary artery endothelial cells is modulated by nicotine. Int. Endotox. Soc. Washington, DC 2002.
45. **Pross, S.** Symposium convener, Drugs of Abuse, CPDD, Bal Harbour , FL 2003
46. Hakki, A., Rodwan, A., Friedman, H. and **Pross, S.**, Apoptosis modulation in human epithelial cells by nicotine and heat shock proteins. *Soc. Neuroimmun. Pharm.*, Santa Fe, NM, March 2004.
47. Hakki, A., Rodwan, A., Friedman, H., and **Pross, S.**, Apoptosis modulation in human epithelial cells by nicotine and heat shock protein, *Amer. Assoc. Immun.* (FASEB), Wash., D.C., from pp. 118, April, 2004
48. Mamata, Y.; Hakki, A.; **Pross, S.**; Yamamoto, Y.; Klein, T. and Friedman, H. "Chlamydia pneumoniae and microbial involvement in atherosclerosis" USF Cardiovascular Initiative Symposium, Tampa, FL., Jan., 2004.
49. Hakki, A.; Friedman, H. and **Pross, S.** "Nicotine impact on apoptosis in human coronary artery endothelial cells." USF Cardiovascular Initiative Symposium Program, Tampa, FL., Jan.30, 2004.
50. Hakki, A., Radwan, A., Friedman, H. and **Pross, S.** The combined modulation of nicotine and Chlamydia heat shock protein on cell proliferation and apoptosis in HEp-2 cells FOCIS - Federation of Clinical Immunology Societies (FOCIS) 5th Annual, Boston, May 12-16, 2005.
51. Syed, S. Hakki, A., Madhusoodanan, S., Sanberg, P., **Pross, S.** and El-Badri, N. Cumulative Production of Trophic Factors by Human Umbilical Cord Blood Mesenchymal Stem Cells. *Stem Cells Research and Therapeutics* April, 2005
52. Mamata, Y; Hakki, A.; Yamamoto, Y.; Newton, C.; Klein, T.W.; **Pross, S.** and Friedman, H. "Nicotine modulates cytokine production in *Chlamydia pneumoniae* infected human peripheral blood cells." 11<sup>th</sup> SNIP Conference, Clearwater Beach, FL., April 6-10, 2005.
53. Gajera, V., Hakki A., **Pross, S.**, English, D., El-Badri, N.S. Angiogenic potential of ovarian monocyte progenitor cells, Annual undergraduate Research Symposium, USF Honors College, 2006

#### BOOK CHAPTERS – BIOMEDICAL RESEARCH:

1. Friedman, H. and **Pross, S.** Nicotine and Immunity" in "Infectious Diseases and Substance Abuse", edited by Friedman, Klein and Bendinelli Springer, pp. 77-92, 2005
2. **Pross, SP** and Friedman, H. Nicotine and immunity, in *Infectious Agents and Substance Abuse*, eds. H. Friedman, T.W. Klein and M. Bendinelli, Springer Publishers, New York, NY 159-170, 2006
3. Friedman, H., **Pross, S.**, Stress, in *Encyclopedia of Stress*, 2<sup>nd</sup> ed. Ed. G. Fink, Elsevier Ltd, 2006
4. Friedman, H., **Pross, S.** and Klein, T.W., Addictive drugs and reaction with infectious diseases, *J. FEMS Microbiol. Immunol.*, Vol. 47: 330-342, 2006
5. Friedman, H. and **Pross, S.**, Recreational drugs, immune function and resistance to infections, *Immunotoxicol. and Immunopharmacol.*, 3<sup>rd</sup> ed., edited R. Luebke, Raven, 2006

**IV. EDUCATION SCHOLARLY ACTIVITIES****COURSES:****Medical****Name of Course****Role****Dates**

|  |                         |                |
|--|-------------------------|----------------|
| BMS 6300 Medical Microbiology and Immunology   | Lecturer                | 1982 - 2004    |
| BMS 6832 Clinical Problem Solving Course (CPS) | Facilitator             | 1998 - 2010    |
| BMS 6300 Medical Microbiology and Immunology   | Co-Director             | 2002 - 2004    |
| BMS 6300 PMIID                                 | Director                | 2004 - 2010    |
| BMS 6832 Evidence Based Medicine               | Small Group Facilitator | 2005 - 2006    |
| BMS 6941 Long-range Clinical Experience        | Small Group Facilitator | 2005 - 2010    |
| BMS 6991 Scholarly Concentrations              | Director then Co-Dir.   | 2006 - present |
| BMS 5005 Professions of Medicine               | Lecturer                | 2007 - 2014    |
| BMS 6041 Course 5 - Year 2                     | Director                | 2010 - present |
| BMS 6042 Course 6 - Year 2                     | Lecturer                | 2010 - present |
| BMS 6043 Course 7 - Year 2                     | Lecturer                | 2010 - present |
| BMS 6642 Course 3 - Year 1                     | Lecturer                | 2012 - 2014    |
| BMS 6643 Course 4 - Year 1                     | Lecturer                | 2017 - present |
| BMS 6816 Course 1 - Year 1                     | Lecturer                | 2012 - present |
| Medical Sciences Skill Development (MSSD)      | Lecturer                | 2014 - present |

**Graduate**

|   |                      |                |
|---|----------------------|----------------|
| GEY 6934 Biomedical Aging                       | Contributing Faculty | 1998 - 2000    |
| GMS 6102 Research Planning and Methods          | Contributing Faculty | 1998 - 2002    |
| GMS 6105 Advances in Immunology                 | Co-Director          | 1998           |
| GMS 7930 Laboratory Methods                     | Director             | 1998 - 2002    |
| GMS 7939 Departmental graduate seminar series   | Director             | 1998 - 2006    |
| GMS 6004 Introduction to medical Sciences (IMS) | Contributing Faculty | 2005- present  |
| GMS 6104 Cellular Immunology                    | Contributing Faculty | 2002 - 2004    |
| GMS 6182 Microbiology Laboratory Rotations      | Contributing Faculty | 2002 - 2004    |
| GMS 6940 Supervised Teaching                    | Director             | 2002 - 2005    |
| GMS 6101 Cellular and Molecular Immunology      | Lecturer             | 2004 - present |
| GMS 6001 Foundations Course                     | Lecturer             | 2003 - 2011    |
| GMS 6100C Core Course                           | Lecturer             | 2003 - present |
| GMS 6110 Host/Parasite Interactions             | Lecturer             | 2005 - present |
| GMS 7930 Medical Science Learning Skills        | Facilitator          | 2005 - 2010    |
| GMS 6141 Medical Microbiology and Immunology    | Lecturer             | 2010-present   |
| GMS 6114: Vaccines and Applied Immunology       | Lecturer             | 2018 - present |

**Undergraduate Honors**

|   |                         |              |
|---|-------------------------|--------------|
| IDH 3350 University Honors Natural Sciences         | Faculty Leader          | 1998 - 2010  |
| IDH 4000 University Honors Major Works/Major Issues | Small Group Facilitator | 1998         |
| IDH 4830 Seminars in Medicine                       | Contributing Faculty    | 2010-present |

**ADDITIONAL EDUCATION RESPONSIBILITIES****COURSE DIRECTOR Course 5:**

As Course Director, I have the responsibility of attendance at monthly student/faculty liaison meetings, development of test questions, and attendance at question-vetting sessions. I recruit lecturers for the course and help them write lecture objectives and exam questions. I am a member of the pre-clerkship planning committee which is involved in policy as well as implementation of ideas to create and maintain an integrated curriculum. As such, I meet with Year 1 and Year 2 Course Directors every month to evaluate progress of the pre-clerkship curriculum and to plan integrative and active learning activities for students. In addition, I meet with student liaisons and counsel, mentor and advise students in the class. I attend many faculty lectures during the year to maintain a continuing presence with the students and to provide feedback to faculty.

**SCHOLARLY CONCENTRATIONS PROGRAM (SCP) Co-DIRECTOR:**

The SPC, initiated in 2006, serves as an educational opportunity for MCOM students to have independent growth and scholarship under faculty mentorship. Current enrollment is close to 400 students. This co-curricular initiative

is now an integral part of the UME curriculum and interacts with other colleges at USF Health. The SCP is part of a national SC Collaborative that meets, communicates regularly, and publishes. I supervise the development of all 10 concentrations that are part of the MCOM SCP, meet monthly with students and with faculty leaders, and help develop systems to showcase, track and assess student performance and achievements. I am currently involved with the creation of an inter-professional scholarly concentration initiative with the College of Pharmacy.

#### **RESEARCH INNOVATION SCHOLARLY ENDEAVORS CO-DIRECTOR (RISE): (2014-2018)**

The RISE, initiated in 2014, aims to provide a centralized resource to promote and support students engaged in research, scholarship, innovation and creative endeavors. Its vision is that by supporting opportunities for inquiry, research and innovation, students will be able to showcase their knowledge and experiences and ultimately embark on a lifetime scholarly approach to the practice of medicine. I was involved with creating systems and programs to support the mission. I was a leader in the creation of the Robert A Good Honor Society which acknowledges excellence in research by students and faculty at MCOM.

#### **ACADEMIC MENTORING:**

I mentor students throughout the year in terms of performance in courses. With graduate students, I mentor in terms of guidance regarding helping them attain their career goals. I consistently have several Year 2 students officially assigned to me by the OEA. I have been a part of the Mentoring Initiative for the new Lehigh Valley/USF SELECT pathway.

#### **STUDENT COMMITTEES:**

##### **DISSERTATION COMMITTEES**

##### **Completed**

|                        |      |                     |      |
|------------------------|------|---------------------|------|
| William Benjamin       | 1979 | Joe Zendegui        | 1980 |
| Ann Vickery Debaldo    | 1980 | Ray Widen           | 1981 |
| Mayra Yebra            | 1992 | Nagwa Dajani        | 1992 |
| Sherry Rier            | 1994 | Steve Shivers       | 1994 |
| Zhi-Ming Zhang         | 1994 | Ana Gomero Co-Chair | 1995 |
| Jeong-Im Sin           | 1995 | Ro Kirzner          | 1995 |
| Susan Hoffman          | 1995 | Shannon McHugh      | 1996 |
| Brian Crucian Co-Chair | 1996 | Andrew Burgess      | 1996 |
| Karen Brown Co-Chair   | 1997 | Rebecca Bowden      | 1999 |
| Noel Hawke             | 2000 | Krystal Wright      | 2002 |
| Rodney Arcenas         | 2002 | Nicole McCray       | 2006 |
| Kavon Rezai-zadeh      | 2008 |                     |      |

#### **MENTORING – USF:**

##### **University Honors Student Preceptor – Research Projects**

|                  |      |                   |           |
|------------------|------|-------------------|-----------|
| Mathew Fink      | 1993 | Steve Patten      | 1999      |
| Goskin Ozkarahan | 2000 | Karen Rosochowicz | 2000      |
| Carolyn Lyons    | 2002 | Alia Radwan       | 2002-2004 |
| Jaimie Mickey    | 2002 |                   |           |

##### **University Honors Committee Participant**

|                 |      |             |      |
|-----------------|------|-------------|------|
| Sowsan Rasheid  | 1998 | Kay Rozecki | 2007 |
| Vaishali Javant | 2005 | Meg Payne   | 2010 |

##### **McNair Fellowship Preceptor**

|               |      |                 |      |
|---------------|------|-----------------|------|
| Nidhi Chander | 1999 | Janese Trimaldi | 2002 |
|---------------|------|-----------------|------|

#### **ADVISORY COMMITTEES:**

##### **PhD Students**

|                          |      |              |      |
|--------------------------|------|--------------|------|
| Homero San Juan Veregara | 2001 | Tangying Lu  | 2003 |
| John Briggs              | 2002 | James Rogers | 2004 |

##### **Masters Students**

|             |      |              |      |
|-------------|------|--------------|------|
| Laura Blood | 2003 | Sara Saporta | 2004 |
|-------------|------|--------------|------|

**QUALIFYING EXAMINATION COMMITTEE MEMBER:**

**PhD Students**

|                          |      |                   |      |
|--------------------------|------|-------------------|------|
| Homero San Juan Veregara | 2002 | Amy McCord        | 2004 |
| Jerry Bulen              | 2003 | William Nikolic   | 2006 |
|                          |      | Kavon Rezai-zadeh | 2007 |

**PUBLICATIONS-EDUCATION:**

**BOOK CHAPTERS - EDUCATION:**

1. **Pross, S** and S. Hymes Medical Mycology in Outline Review of Microbiology and Immunology, Appleton and Lange, 2003

**PAPERS-EDUCATION**

1. Emily P. Green, Jeffrey M. Borkan, **Susan H. Pross**, Shelley R. Adler, Melissa Nothnagle, Philip Gruppuso "Encouraging Scholarship: Medical School Programs to Promote Student Inquiry Beyond the Traditional Medical Curriculum" *Academic Medicine* 85(3):409-418, March 2010
2. Bahner, I Saporta, S, Somboonwit, C and **Pross, S** "Teaching Science Through Biomedical Research In An Elective Curriculum" *Medical Science Educator*. Issue 22(3S), August 2012

**WORKSHOPS/POSTERS-EDUCATION**

1. Advisory presentation for curriculum development. Marshall University, 2006
2. Touro University curriculum advisement 2006
3. Techniques for Integration in Course-Based Curricula, Wheeler, **Pross**, Nazian, AAMC SGEA New Orleans, 2009 – award winner
4. Skill Building for Scholarly Concentrations Programs, AAMC Boston 2009 (national SC collaborative)
5. Scholarly Concentrations Programs in Undergraduate Medical Education, SGEA Oklahoma City, OK
6. Reflections on the First Year of an Elective Scholarly Concentration Program - Student and Faculty Response to a Creative Initiative, **Susan Pross et al.** AAMC SGEA New Orleans meeting 2009
7. Participant – Educational Scholarship Group 2010 USF COM
8. Attendee - Education Faculty Development Series 2010 USF COM
9. Scholarly Concentration Programs, AAMC Washington, DC 2010
10. **Susan Pross**, Ingrid Bahner, Roberta Collins, Alicia D. H. Monroe "Scholarly Concentrations – A Program that Fosters Scholarship and Student Individuation" IAMSE, St. Petersburg, FL 2011
11. Donald E. Wheeler, **Susan Pross**, Charles Preuss, Ingrid Bahner, "Team-Based Learning Exercises as a Method of Integration between Traditional Department-Based Second Year Courses." IAMSE, St. Petersburg, FL 2011
12. Bahner, I., Somboonwit, C., **Pross, S.**, Collins, R.J. and Saporta, S. "Teaching Science Through Biomedical Research In An Elective Curriculum" *Medical Science Educator*. 22(3) : 143-146, 2012
13. **Susan Pross**, Ingrid Bahner IAMSE presentation "Do Scholarly Concentration Programs Contribute To Lasting Scholarship" June, 2013 Miami, FL
14. Bahner, I; Schocken, D; Somboonwit, C; Collins, R.J.; and **Pross, S.H.** 2013 Contributions of the scholarly concentration program in biomedical research to the scientific competencies of the core medical curriculum. June, 2013 SGEA Miami, FL
15. **Susan Pross**, Ingrid Bahner Focus Session Leader IAMSE How to Successfully foster Medical Student Scholarship June, 2014 Nashville, TN
16. Stanley Nazian, Danielle Gulick, Mudra Kumar, Dawn Palaszewski and **Susan Pross**, Poster, "Difficulty and Discriminative Ability of Core vs. Supplementary Questions – Can We Test for Competency and Excellence Simultaneously?" IAMSE 2014 Nashville, TN

**LEADERSHIP POSITIONS - EDUCATION**

|  |              |
|--|--------------|
| LCME Faculty Co-Chair                                      | 2005-2007    |
| Director then Co-Director Scholarly Concentrations Program | 2005-present |
| Co-Director – RISE   | 2014-2018    |
| Scholarly Concentration Collaborative member (national)    | 2007–present |
| Speaker - Introduction to MCOM applicants                  | 2009-2017    |
| Speaker – MCOM Admissions Second Look                      | 2010-2017    |



Facilitator – Scholarly Concentrations Symposium 2010-present  
 Facilitator – Scholarly Concentrations Next Step Program 2011-present  
 Co-Director Education Scholarly Concentration 2020

**PROFESSIONAL ACTIVITIES - EDUCATION:**

Chapter reviewer – including Saunders publishing 1998, 2001, 2006; 2010  
 Grant Reviewer –NIH *ad hoc* review 1998, 2000, 2002  
 Grant Reviewer – American Heart Association – local 2001, 2002, 2003  
 Dept. Representative Educational Strategies Workshop - National 1994, 1996, 1998, 2002, 2004  
 Participant – OCME (now OEA) classes for teaching development 2000, 2001, 2002  
 Item Writer – NBME Step 1 Examination 2003, 2004, 2005, 2006, 2007  
 Participant, Central Asian Republics Regional Medical Ed. Partnership 2004  
 Paper reviewer – Journal of Biomedical Education 2012

**PROFESSIONAL MEETINGS – EDUCATION:**

AAMC attendee and participant Washington, DC 2006, 2007  
 AAMC attendee and presenter (SC Collaborative), San Antonio, TX 2008  
 AAMC attendee and presenter (SC Collaborative) Boston, MA 2009, 2017  
 Poster Presenter, SGEA (southern regions AAMC) New Orleans 2009  
 Workshop Co-Leader, SGEA (southern regions AAMC) New Orleans 2009  
 Workshop Co-Leader, SGEA Oklahoma City, OK 2010  
 IAMSE, St. Petersburg, FL 2011  
 AAMC San Francisco 2012  
 Workshop Co-Leader, SGEA Miami 2014  
 Workshop Co-Leader, IAMSE Nashville 2014

**AWARDS – EDUCATION:**

**USF - OEA**

Medical Education Award COM AAMC 2003, 2005, 2007-2009

**National**

Promising educator award – SGEA 2009

**Student**

Teaching Award – Year 2 1996, 2005

**Department**

Medical Education Award Dept. Molecular Medicine 2007

**Honors College**

Teaching award 2001

**FACULTY DEVELOPMENT EDUCATION – UNIVERSITY/COM**

EXCEL program participant (USF Leadership) 1998 - 1999  
 COM Leadership Program participant (per Dr. Daugherty) 2003  
 Faculty Development Small Groups participant (per Dr. Graffam) 2008  
 Faculty Development Small Groups participant (per Stevenson) 2010  
 IAMSE Webinar Attendance 2010 – present  
 Attendee ATLE Summer Teaching Symposium 2019

**V. SERVICE**

**COMMUNITY SERVICE:**

Chair, School Board Berger Jewish Community High School 1992 - 1996  
 Judge Science Fair –local, state, national 1990 - 2002  
 Chair, Academic Steering Committee Hillsborough High School 1998 - 2000  
 Interviewer, University of Pennsylvania - undergraduate 1999 - 2017  
 Interviewer, Cornell University - undergraduate 2000 - 2002  
 Mentor, Cornell University Career Service 2000 – 2004  
 Textbook assessment committee for Middleton High School 2013

**MEDICAL SCHOOL COMMITTEES:**

|   |                              |
|---|------------------------------|
| Faculty Advisor-Year 1 Medical Students               | 1990 - 1994                  |
| Faculty Advisor Year 2 Medical Students               | 1992 - 1994                  |
| Interviewer for admissions committee (incudes SELECT) | 1992 – present               |
| Curriculum Committee                                  | 1995 – 1998; 2013-present    |
| Secretary, Curriculum Committee                       | 1998 - 2000                  |
| Admissions Committee                                  | 1995-98; 2000-07; 2009- 2016 |
| Faculty Council                                       | 1996 – 1999, 2002 – 2004     |
| LCME Accreditation Review Committee                   | 1997[ 2019-present           |
| Curriculum renewal process                            | 1999 - 2001                  |
| OCME (OEA) Education Series                           | 1999 - 2000                  |
| Student Affairs Committee                             | 1999 – 2000; 2003-2005, 2007 |
| Chair Student Affairs Committee                       | 2003-2005, 2005-2007         |
| Office of Continuing Education                        | 2001 – 2003                  |
| Mission Based Management (AIMS) Committee             | 2003                         |
| Medical Student Objectives Committee                  | 2003 – 2004                  |
| Leader in Learning Communities Program                | 2003-2008                    |
| Faculty Co-Chair LCME                                 | 2005 – 2007                  |
| Mock Interview Workshop – PSEP                        | 2005-2010                    |
| IMS Admissions committee                              | 2009 - 2016                  |
| Lehigh Valley Educational Planning                    | 2009 – 2011                  |
| Educational Excellence Award Committee                | 2009-2016                    |
| Academic Performance Review Committee (APRC)          | 2006-present                 |
| Professional Student Affairs Committee                | 2013-2016                    |
| LCME Accreditation Review Committee                   |                              |
| Education Committee Chair                             | 2014-2016                    |
| Mock Site visit member                                | 2014                         |
| Site visit member                                     | 2015                         |
| Faculty Council                                       | 2018- present                |
| Chair – Curriculum Committee Discipline subcommittee  | 2018-present                 |
| Chair – APT committee of DME                          | 2019-present                 |
| DME Exam coding project                               | 2019-present                 |

**DEPARTMENTAL COMMITTEES:**

|  |              |
|--|--------------|
| Promotion and Tenure                             | 2008-present |
| Education Committee                              | 2010-present |
| Molecular Medicine Master's Admissions Committee | 2010         |
| Chair DME APT committee                          | 2020-present |

**MEDICAL SCHOOL SEARCH COMMITTEES:**

|   |             |
|---|-------------|
| COM Search Committee for Admissions Director              | 2008; 2013  |
| COM Search Committee for Associate UME Dean               | 2009        |
| School of Pharmacy Search Committee for Chair of Pharmacy | 2010        |
| COM Search Committee for OSDE Director                    | 2010        |
| COM Search Committee for Neuroscience Faculty             | 2011 - 2012 |
| COM Search Committee for Student Services                 | 2011 – 2012 |

**UNIVERSITY COMMITTEES:**

|   |                        |
|---|------------------------|
| Co-Chairman Gifted High School Summer Program | 1991                   |
| Honors Program Advisory Committee             | 1995 - 1997            |
| Model Lecturer – University Orientation       | 1998 - 2000            |
| Judicial Officer USF                          | 1999 – 2001            |
| Faculty Lecture Program - USF                 | 2001, 2003, 2005, 2006 |
| Council on Educational Policies (CEPI)        | 2020 - present         |

