*Curriculum Vitae*

**Frederick S. Southwick, M.D.**

Professor of Medicine

University of Florida College of Medicine

***Home Address:*** 6362 NW 41st Ave

Gainesville, FL 32606

***Office Address:*** Division of Infectious Diseases

Department of Medicine

Box 100277, Health Science Center

University of Florida College of Medicine

Gainesville, Florida 32610-0277

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***Education:***1964-68 **B.A. Yale University**

1968-73 **M.D. Columbia College of Physicians and**

**Surgeons**

***Postgraduate Training and Fellowship Appointments:***

1973 **Research Assistant** (Infectious Diseases) with Dr. Paul

Beeson, (Feb-June) Nuffield Department of Medicine,

Radcliffe Infirmary, Oxford, England

1973-74 **Intern in Medicine,** Boston City Hospital, Boston, MA

1974-75 **Junior Assistant Resident,** Internal Medicine, Boston City   
 Hospital, Boston, MA

1975-76 **Senior Assistant Resident,** Internal Medicine,

Massachusetts General Hospital, Boston, MA

1976-77 **Chief Resident,** Internal Medicine, Boston City Hospital,

Boston, MA

1977-78 **Clinical Infectious Disease Fellow,** Massachusetts  
 General Hospital

1977-80 **Infectious Disease Research Fellow,** (Protein

Biochemistry), Massachusetts General Hospital

***Faculty Appointments:***

1980-82 **Instructor in Medicine,** Harvard Medical School,

Boston, MA

1982-85 **Assistant Professor of Medicine**, Harvard Medical School,

Boston

1985-90 **Assistant Professor of Medicine**, University of

Pennsylvania, School of Medicine

1987-91 **Adjunct Assistant Professor of Clinical Pharmacology**

Philadelphia College of Pharmacy and Science

1988-91 **Member of Cell Biology Graduate Group**, U. of Penn.

(***Faculty Appointments continued)***

1990-91 **Tenured Associate Professor of Medicine**, University of

Pennsylvania School of Medicine

1991- **Professor of Medicine and Chief of Infectious Diseases,**

University of Florida College of Medicine

1991- **Affiliate Professor of Biochemistry and Molecular**

**Biology**, University of Florida College of Medicine

1. **Affiliate Professor of Molecular Genetics and Microbiology,** University of Florida College of Medicine

1994- **Tenured Professor of Medicine**, University of Florida

College of Medicine

2015- Elected to **Faculty Senate**

***Hospital and Administrative Appointments:***

1984-85 **Director of Infectious Disease Outpatient Service**,

Massachusetts General Hospital

1981-85 **Infectious Disease Attending and Consultant**,

Massachusetts General Hospital

1985-91 **Infectious Disease Attending,** Hospital of the University of

Pennsylvania

1991-2010 **Chief of Infectious Diseases**, and Fellowship Training  
 director University of Florida College

of Medicine

1992-98 **Member**, Shands Hospital Finance Committee

1994-96 **Member**, Board of Directors, State Communications

Company

1997-07 **Vice-Chairman of Medicine for Research** 2010**-**14 **Quality Projects Manager** for the Senior Vice President for   
 Health Affairs UF & Shands Healthcare System

2014-2016 **Fellowship Training Director Infectious Disease**

2017- **Director of Quality and Safety in Patient Care**, Division of  
 Hospitalist Medicine

***Specialty Certification:***

**American Board of Internal Medicine, Internal Medicine**

**American Board of Internal Medicine, Infectious Diseases**

**Certified Professional in Patient Safety,** <http://bcert.me/saqyivuu>

***Licensure:*** **Florida,** ME 0064085 5/91- present

***Awards, Honors, and Membership in Honorary Societies:***

**Dean's List,** Yale Varsity Letters: Football, Lacrosse,

Wrestling (captain), Book and Snake Senior Society

**International Fellow of Columbia University**,

**Edward J. Noble Foundation Leadership grant** (covered the

full cost of Medical School)

**Muscular Dystrophy Research Fellowship Award**

**National Research Service Award,** National Institute of Health

**Elected, American Society for Clinical Investigation**

**Elected, John P. Morgan Society,** University of Pennsylvania

**Elected, Philadelphia College of Physicians**

**Honorary Degree, University of Pennsylvania** (awarded to

all Univ. of Pennsylvania tenured faculty)

**Elected, Association of American Physicians**

**Elected, American Clinical and Climatological Association**

1998 **Faculty Research Prize for Clinical Science,** University of   
 Florida College of Medicine (1-2 recipients/year)

1. **Professors’ Excellence Award,** University of Florida
2. **Maxwell Finland Lecturer, National Infectious Disease Society of America Annual Award**

2001 **Elected** **Outstanding Division in the Department of   
Medicine,** Department of Medicine House Staff

1. **University of Florida Research Foundation Award for   
    distinguished research accomplishments**
2. **Teaching Excellence Award,** Dept. Medicine House Staff
3. **Elected Fellow of the American College of Medicine**

**2006 Theodore E. Woodward Award** for the best paper presented at the   
 American Clinical and Climatological Association annual meeting

**2007 Exemplary Teacher Award,** University of Florida

**2008** Selected for **Who’s Who in America**

**2009 Exemplary Teacher Award,** University of Florida

**2010-11 Advanced Leadership Initiative Fellow,** The Harvard Business   
 School

**2013 University of Florida Research Foundation Award for   
 distinguished research accomplishments**

***Memberships in Professional and Scientific Societies:***

**American Clinical and Climatological Association**

**American College of Physicians**

**American Society for Cell Biology**

**American Society for Clinical Investigation**

**American Society of Hematology**

**American Society of Microbiology**

**Association of American Physicians**

**Infectious Disease Society of America**

***Editorial Positions:***

**Editorial Board:** Associate Editor *Journal of Infectious Diseases  
 American Journal of Medicine*

**Frequent Ad Hoc** Reviewer for: *J*. *Cell Biol., Molec. Biol. Cell, J. Clin.*

*Invest., N. Engl. J. Med., Ann. Intern. Med., Blood, Am. J. Med., J.*

*Leukocyte Biol, Cell Motility and the Cytoskeleton, Biochemistry,*

*J. Immunology, Infect. & Immun., Clin. Infect. Dis.*

***Study Sections:***

**Ad hoc Reviewer,** NIH Bacteriology and Mycology 1 Study Section

(November,1993)

**Ad hoc Reviewer,** NIH Hematology I Study Section (1994-1995)

**Member,** NIH Special Study Section on RFA Nutrition and Immune

Function (March, 1995)

**Permanent Member ,** NIH Hematology I Study Section ( 1996-1998).

**NIH Board of Scientific Counselors** ,Warren G. Magnuson ClinicalCenter. (1998- 2002)

**Ad hoc Reviewer**, NIH Erythrocyte and Leukocyte Biology Study section (June 2003)

**Ad hoc Reviewer**, NIH Innate Immunity Study section (June 2004)

**Chairman NIH Board of Scientific Counselors,** Warren G. Magnuson Clinical Center (2003-2009)

**NIH Board of Scientific Counselors,** Warren G. Magnuson Clinical Center (2018- )

***Principal Investigator:***

**"Regulation of actin filament formation in phagocytes".** National Institute of Health, RO1-AI23262 Grant, Direct Costs $250,000/year

Grant period: 8/1/2006-7/31/2012, Funded since 1981

**"Listeria uses host cell actin to spread cell to cell".** National Institute of

Health, RO1-AI34276 grant, Direct Costs: $225,000/year.

Grant period: 7/1/2010 - 6/30/2015, Funded since 1993

**“Anthrax Toxins impair neutrophil actin-based motility”** National Institute of Health, RO1-AI64891, Direct Costs 225,000 (1st Year)

Grant period: 8/1/2006-7/31/2011,

***Training Grants:***

**Robert Wood Johnson Minority Faculty Development Program**

Mentor for Dr. Clarence Young

$ 300,000 Grant period: 7/1/88 - 6/30/92

**NIH Infectious Disease Training Grant, Assistant Training Director**

**$**1,000,000 Grant Period: 10/2008-10/2013

***Academic Committees:***

**New Pathway Project in General Medical Education**,

Harvard Medical School

**Medical House Officers Education Committee,** Hospital of

the University of Pennsylvania

**Cell Biology Graduate Group Admissions Committee,**

University of Pennsylvania

**House Officer Selection Committee**, Dept. of Medicine,

University of Pennsylvania

**Faculty Search Committee for Muscle Institute**, University

of Pennsylvania

**M.D/Ph.D.** **Program Admissions Committee**, University of

Pennsylvania School of Medicine

**House Officer Advisory Committee,** University of Florida **House Officer Selection Committee**, University of Florida **Search Committee for Chief of Hematology-Oncology,**

Department of Medicine, University of Florida

**Search Committee for Chief of Pulmonary**, Department of

Medicine, University of Florida

**Faculty Research Advisory Board member**

**Chairman, Search Committee for Chief of Gastroenterology**

**Search Committee for the Chairman of Surgery**

**University Wide Tenure and Promotion Committee**

**Search Committee Hematology/Oncology Chief**

**Medical School Admissions**

**Organizer of University of Florida, Department of Medicine  
 Research Retreat**, 160 Scientific Abstracts presented

**Chairman National 2nd Year Infectious Disease Curriculum  
 Committee, IDSA (Infectious Disease Society of America)**

**Chairman of the Resistant Pathogen Taskforce,   
 Shands Healthcare System**

***Major Teaching and Clinical Responsibility***

Developed the Clinical Microbiological Case based Conferences for Second YearMedical School students

Former Lecturer, Graduate Course in Cell Biology

Director and Creator of the UF Coursera Open Online Course – Fixing Healthcare Delivery , 1st offered beginning September 2014 (>30,000 students, 150 Countries)

Director and Creator 3rd & 4th year elective “Fixing Healthcare Delivery” 2015 to the present

Director and Creator of UF Cousera Open Online Course – Fixing Healthcare Delivery 2.0: Advanced Lean offered beginning August 2017

Infectious Diseases Attending Rounds at Shands and the VAMC

(1.5 months/year, 1980-2015)

General Medicine Ward Attending at Shands (1.5 months/year 1978-present)

### Trainees

Dr. Mark DiNubile, Postdoctoral Research Fellow

Present position – Investigator, Merck & Co.

Dr. P.J. Brennan, Postdoctoral Research Fellow

Present position - Professor of Medicine, University of  
 Pennsylvania School of Medicine

Dr. Clarence Young, Postdoctoral Research Fellow

Present Position - Vice President for Clinical Research, Glaxo Smith Kline

Dr. Gussiou Dabiri – Ph.D. graduate student

Present Position - Office of Research Affairs, Glaxo, Smith, Kline

Dr. Noel Maun – M.D/Ph.D. student

Present Position – Hematology-Oncology Specialist, Tampa, FL

Dr. William Zeile – Ph.D graduate student

Present Position -Assistant Professor, University of Florida College of  
 Medicine

Schefal Parik, Masters Degree student

Present Position – New products Division, Biogen, Boston, MA

Dr. Laura Larson – Postdoctoral Research Fellow –   
 Present Position - Infectious Disease Consultant, Atlanta, GA

Andrea A. Roebuck, Master Degree –   
 Present position: completing her degree in patent law,

University of Florida College of Law

Dr. Russell During –Ph.D. graduate student

Present Position: Assistant Professor Physician Assistant Program, University of Florida

Dr. Ellen Bishai – Ph.D. graduate student

Present Position: Veterinary student, University of Pennsylvania

Dr. Sarah Szarowicz – Ph.D. graduate student

Present Position: Postdoctoral Fellow, Army Medical Research Institute of Infectious Diseases at Fort Detrick, MD

Kassidy Chauncey – Ph.D. graduate student, thesis completed, graduation 4/24/12

***Lectures and Visiting Professorships by Invitation:***

April, 1989 "How do phagocytes regulate actin filament assembly?" European Society of Clinical Investigation, Athens, Greece, Chairman of the session on "Chemotaxis and the role of contractile proteins"

May, 1990 Chairman for Session on PMN adhesion, receptors, cytoskeleton and motility, International Phagocyte Workshop, Washington, D.C.

April 1992 Chairman of the Infectious Disease Subspecialty sessions, National AFCR, ASCI, AAP meetings, Baltimore, MD

Aug. 1992 "Actin assembly is necessary and likely to provide the propulsive force for *Listeria* intracellular movement" Gordon Conference, Motile and Contractile Systems, Plymouth, New Hampshire

Dec. 1992 Visiting Professor Vanderbilt University Medical Center

April, 1993 "Higher intracellular gelsolin content results in longer actin filament rocket tails and more rapid intracellular movement of *Listeria monocytogenes* in transfected 3T3 Fibroblasts" Cold Spring Harbor Laboratories Symposia on *The Cytoskeleton and Cell Function*

Dec. 1993 "Leukocyte Motility: The Orchestration of Multiple Actin Regulatory Proteins." Plenary Session International Congress on the Regulation of Leukocyte Production and Immune Function Sydney, Australia

Jan. 1994 "Regulation of actin assembly in nonmuscle cells: Lessons learned from Listeria" Keystone Symposium on Bacterial Pathogenesis,   
Santa Fe, New Mexico

April, 1994 Meet the Professors, National meeting of the American College of Physicians: Topics: Bacterial Meningitis, CNS Infections in AIDS, and Bacterial Sinusitis

April, 1994 Visiting Professor University of Maryland Medical School

July, 1994 "Uncoupling of *Listeria*-actin based motility by oligoproline peptides" Gordon Conference: Motile and Contractile Systems, Plymouth, New Hampshire

March, 1995" CNS Infection in AIDS" Keynote Speaker, Watson Clinic Internal Medicine Symposium, Lakeland, FL

April, 1995 "Gain of function mutations of the actin capping protein, Cap G" Cold Spring Harbor Laboratories Symposia on *The Cytoskeleton and Cell Function*

June 1995 Visiting Professor, University of Pittsburgh School of Medicine

May, 1996 "Listeriosis: Intracellular Mechanisms of Disease" Keynote speaker, Florida Infectious Disease Society Annual Meeting

February, 1997 Visiting Professor, Brigham and Women’s Hospital, Harvard Medical School, Boston, MA

March, 1997 “Intracellular Pathogenesis of Shigella” One of four keynote speakers for Symposium on Infectious Diseases, Zurich, Switzerland

March, 1997 “The role of oligoproline sequences in the Shigella intracellular movement and cell-to-cell spread” Lecturer, Pasteur Institute, Paris, France

March, 1997 “Shigellosis and Listeriosis: Intracellular life cycles can explain many unique clinical manifestations.” Visiting Professor, Hospital Cantonal, Geneva, Switzerand.

May, 1997 “Medical care from the patients perspective”. Society of General Internal Medicine, Conference on Professionalism. Washington D.C.

November, 1997 Visiting Professor, University of Alabama Birmingham

December, 1997 Visiting Professor, University of Miami, Miami, FL

March, 1998 Visiting Professor, University of Virginia, Charlottesville, VA

March, 1998 Visiting Professor, University of Pennsylvania, Philadelphia, PA

May, 1998 “Listeria and Shigella intracellular pathogenesis: The Generation of Actin Based Motors for Cell-to-Cell Spread, European Society of Cell Biology, Sicily, Italy.

December, 1998 “Actin-based Vaccinia Locomotion in Host Cells Involves ABM-1 and ABM-2 Sequence Recognition. American Society for Cell Biology Annual meeting. San Francisco, CA

November, 1999 “Intracellular pathogenesis of Listeriosis” Infectious Disease Association, Plenary lecture, Annual meeting, Philadelphia, PA

May-September, 2000 Visiting Professor, Division of Infectious Diseases, Hospital Cantonal, University of Geneva, Geneva Switzerland.

October, 2002 – Visiting Professor, University of Colorado School of Medicine  
Denver, CO

September , 2004 “Calcium regulation of Listeria Actin-based Motility – University of Geneva, Geneva, Switzerland

June, 2005 “Role of phosphoinositides in Listeria intracellular Motility”. Invited speaker, Phagocyte Gordon Conference, New London, CT

October, 2005 “Listeriosis” University of California, San Diego, CA

July, 2006 “Listeria: Lessons learned from an intracellular pathogen”, and Visiting Professor, Brown University, Providence, RI

October, 2007 Bacillus Anthracis: Why is this infection so deadly?

Medical College of Georgia, Augusta, GA

October 2009 Visiting Professor, University of Kentucky – Wild Cat Rounds Using Athletic Principles to Improve Multidisciplinary Rounds

October 2010 Visiting Professor, University of Pennsylvania, Pennsylvania Hospital. “A Harvard Business Student Perspective on Teamwork in Medicine”.

December, 2011, Visiting Professor, University of Alabama Birmingham – Baptist Hospital “Gatorounds, Converting Medical Groups into Medical Teams”

June, 2012 Plenary Speaker American College of Physicians, Alabama   
annual meeting “Teamwork in Medicine”

March, 2013 Dinner Speaker Advanced Leadership Healthcare Think Tank  
“What Our Founding Father Samuel Adams can teach us about improving health care.”

September 2014 Medical Grand Rounds University of California San Diego Department of Medicine “Medical Mistakes: Why to they happen and how do we prevent them.”

September, 2014 Great Teachers Grand Rounds Series, NIH Clinical Center  
“Medical Mistakes: Why do they happen, and how can we prevent them?

June, 2015 TeamStepps National Meeting Denver, CO, Adapting TeamStepps to unique environments; Using Athletic Principles to Improve Hospital Multidisciplinary Rounds.

October 2015 Kickoff of a multidisciplinary rounding initiative at Grady Memorial Hospital, Atlanta Georgia“Applying Athletic Principles to Multidisciplinary Rounds”

March 2016 Yale University, New Haven. Symposium on Improving Healthcare Quality “Keeping Score: How the Rothman Index can be applied to assess Multidisciplinary Teamwork in Healthcare”

September 2016 Aspen Institute, Aspen Colorado, Conference on Ethical Healthcare Leadership. “The Challenge of Leading Effective Multidisciplinary Health Care Teams”

June, 2017 TeamSTEPPS National Conference, Cleveland, Ohio “What Our Founding Father Samuel Adams Can Teach Us About Implementing TeamSTEPPS”

***Authored Books:***

**Southwick, F.S.** and Schooley, R.T. *Key References in Infectious Diseases: An Annotated Guide.* New York: Churchill Livingston,1982

**Southwick, F.S.** *Infectious Diseases in 30 days.* New York: McGraw-Hill, March 2003.

**Southwick, F.**S. *Infectious Disease Quick Glance,* New York: McGraw-Hill, September 2004

**Southwick, F. S.** *Critically Ill: A 5-Point Plan to Cure Healthcare Delivery - A toolkit for nurses and others who aspire to transform care in our hospitals and clinics.* Carlsbad, CA: No Limits Publishing Group, June, 2012

**Southwick, F.S. editor,** Carol Kauffman, Richard Wenzel, A.W. Karchmer and Bernard Hirschel Associate Editors – Clinical Decision Support: Infectious Diseases – A full online decision support program for Infectious Diseases, 2017

**Southwick,** F.S. Infectious Diseases: A Clinical Short Course, Lange Series, New York: McGraw-Hill, 4th edition, revised 2020

***Book Chapters:***

**Southwick,** **F.S.** Intracranial suppuration. In *Infectious Diseases,* Fifth Edition, Editors P. Hoeprich, C. Jordan, A. Ronald, 1994.

**Southwick, F.S**. Septic Thrombophlebitis of Major Dural Sinuses. *Current Topics in Infectious Diseases,* Volume 15, edit. Remington, J. and Swartz, M.N., 1995.

**Southwick, F.S.**, and Swartz, M.N. Septic Dural Sinus and Cortical Vein Thrombophlebitis. In: *Neurosurgery.* Wilkins, RH, Rengachary, S, eds. New York: McGraw-Hill. 1995

Zeile, W.L., Purich, D.L. and **Southwick, F.S.** Video microscopy: protocols for examining the actin-based motility of Listeria, Shigella, Vaccinia and lanthanum-induced endosomes. In *Cytoskeleton: signaling and cell regulation*, editors Carraway, K.L. and Carraway, C.A.C. Oxford University Press 2000

**Southwick, F.S.** Gram positive rods. *ACP Medicine* Editor, Dale, D. and Federman, D. 2005, updated 2010

**Southwick, F.S.** The Actin Cytoskeleton: Regulation of Actin Filament Assembly and Disassembly in *Cellular Microbiology*, Editors: Cossart, P. Boquet, P., Normark, S., and Rappuloli, R. ASM Press 2005

**Southwick F.S**. Listeria invasion and spread in nonprofessional phagocytes in *Phagocytosis of Bacteria and Bacterial Pathogenicity*, Editors Ernst, J.D. , and Stendahl, O, Campbridge Press 2006

**Southwick, F.S**. Brain Abscess: Pathogenesis and clinical manifestations in *Uptodate* 12/01/2006

**Southwick, F.S.** Brain Abscess: Diagnosis and Treatment in *Uptodate*, 5/1/2017

**Southwick, F.S**. Septic Dural Sinus Thrombosis in *Uptodate*, 5/1/2017

**Southwick, F.S.** Nocardiosis *Cecil Medicine*, Editor Goldman, L. Saunders, Elsevier, 2019

***Papers:***

**Southwick, F.S.,** Crelin, E.S.: The development of sexual dimorphism in transplanted mouse pelvises. *Yale J. Biol. Med.* 41:444-447, 1969.

**Southwick, F.S,** [Carr H.S](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&itool=pubmed_Abstract&term=%22Carr+HS%22%5BAuthor%5D)., [Carden G.A. 3rd](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&itool=pubmed_Abstract&term=%22Carden+GA+3rd%22%5BAuthor%5D), [D'Alisa R.M](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&itool=pubmed_Abstract&term=%22D%27Alisa+RM%22%5BAuthor%5D)., [Rosenkranz H.S](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&itool=pubmed_Abstract&term=%22Rosenkranz+HS%22%5BAuthor%5D). The effect of acridine orange on the growth of Escherichia coli. *J. Bact.*110:439-441, 1972

**Southwick, F.S.,** Durack, D.T.: Chemotherapy of Experimental streptococcal endocarditis. Part III. Failure of a bacteristatic agent (tetracycline) in prophylaxis, *J. Clin. Path.* 27:261-264, 1974

Goldman, L., Caldera, D.L., **Southwick, F.S.**, et al.: Cardiac risk factors and complications in non-cardiac surgery. *Medicine* 57:359-370, 1978

Goldman, L., Caldera, D.L., Nussbaum, S.R., **Southwick, F.S.**, et al.: Multifactorial index of cardiac risk in nor-cardiac surgical procedures. *N. Engl. J. Med.* 297:847-850, 1977

**Southwick, F.S.,** Dalglish, P.H.: Recovery after prolonged hypothermic asystole. *JAMA* 243:1250-1253, 1980

Simon, H.B., **Southwick, F.S.,** Moellering, R.C. Jr., Sherman, E.: Hemophilus Influenzae in hospitalized adults: Current Perspectives. *Am. J. Med.* 69:219-226, 1980

Crowley, C.A., Curnutte, J.T., Rosen, R.E., Andre-Schwartz, J., Gallin,J.I., Klempner, M., Snyderman, R., **Southwick, F.S.**, Stossel, T.P., Babior, B.M.: An inherited abnormality of neutrophil adhesion. Its genetic transmission and its association with a missing protein. *N. Engl. J. Med.* 302:1163-1168, 1980

**Southwick, F.S.,** Stossel, T.P.: Isolation of an inhibitor of actin polymerization from human polymorphonuclear leukocytes. *J. Biol. Chem.* 256:3030-3036, 1981

Lew, P.D., **Southwick, F.S.,** Stossel T.P., Whitin, J.C., Simons, E., Cohen, J.H.: A variant of chronic granulomatous disease: deficient oxidative metabolism due to a low affinity NADPH oxidase. *N. Engl. J. Med.* 305:1329-1333, 1981

**Southwick, F.S.**, Hartwig, J.H.: Acumentin, a protein in macrophages which caps the "pointed" end of actin filaments. *Nature* 297:303-307, 1982

**Southwick, F.S.,** Tatsumi, N., Stossel, T.P.: Acumentin, an actin modulating protein of rabbit pulmonary macrophages. *Biochemistry* 22:6321-6326, 1982

Lew, P.D., **Southwick, F.S**., Montgomery, W.W., Weber, A.L., Baker, A.S.: Sphenoid Sinusitis: A Review of 30 Cases. *N. Engl. J. Med.* 309:1149-1154, 1983

**Southwick, F.S.**, and Stossel, T.P.: Contractile Proteins in Leukocyte Function. *Seminars in Hematology,* 20:305-321, 1983

Spiegel, J.E., Beardsley, D.S., **Southwick, F.S**., Lux, S.E.: An Analogue of the erythroid membrane skeletal protein 4.1 in non-erythroid cells. *J. Cell Biol.* 99:886-893, 1984

Stossel, T.P., Hartwig, J.H., Yin, H.L., **Southwick,** F.S., Zaner, K.S.: The Motor of Leukocytes. *Fed. Proc.* 43:2760-2763, 1984

DiNubile, M.J., **Southwick, F.S.:** Effects of macrophage profilin on actin in the presence and absence of acumentin and gelsolin, proteins which block the opposite ends of actin filaments. *J. Biol. Chem.* 260:7402-7409, 1985

**Southwick, F.S.** Regulation of phagocyte movement. In the Inflammatory Process: An Introduction to the Study of Cellular and Humoral Aspects (2ndedition). PerVenge, ed. Uppsala, Sweden. 1985.

Stossel T.P., Chaponnier, C., Ezzel, R., Hartwig, J.H., Jamney, P., Kwietkowsky, D., Smith, D.B., **Southwick, F.S.**, Yin, H., Zaner, K.S.: Nonmuscle Actin Binding Proteins. *Annual Reviews of Cell Biology* 1 :353402, 1985

**Southwick, F.S.**, Richardson, E.P. Jr., Swartz, M.N.: Septic thrombosis of the dural venous sinuses. *Medicine* 65:82-106, 1986

**Southwick,** **F.S.**, DiNubile, M.J.: Rabbit aleveolar macrophages contain a Calcium-sensitive, 41,000 dalton protein which reversibly blocks the "barbed" ends of actin filaments but does not sever them. *J. Biol. Chem.* 261:14191-14195, 1986

**Southwick, F.S**., Stossel, T.P. Phagocytosis. In the *Manual of Clinical Laboratory Immunology* (third edition) Rose NR, Friedman H, Fahey JL, eds. Washington, D.C.; American Society of Microbiology, pg 326-331, 1986

Shalit, M., Dabiri, G.A., **Southwick, F.S.**: Platelet-activating factor both stimulates and "Primes" human polymorphonuclear leukocyte actin filament assembly. *Blood* 70:1921-1927, 1987

**Southwick, F.S**., and van der Meer, J.W.M.: Recurrent cystitis and bladder mass in two adults with chronic granulomatous disease. *Ann Intern. Med.* 109:118-121, 1988

**Southwick, F.S**., Dabiri G.A., Stossel, T.P.: Neutrophil actin dysfunction (NAD) is a genetic disorder associated with partial impairment of neutrophil actin assembly in three family members. *J. Clin. Invest.* 82:1525-1531, 1988

DiNubile, M.J., **Southwick, F.S.** Contractile Proteins in Leukocytes. *Methods of Enzymology.* 162:246-271, 1988.

**Southwick, F.S.**, Howard, T.H., Holbrook, T., Anderson, D.C., Stossel T.P., and Arnaout, M.A.: The relationship between CR3 deficiency and neutrophil actin assembly. *Blood* 73:1973-1979, 1989.

**Southwick, F.S.**, Dabiri, G.A., Paschetto, M., and Zigmond, S.H. Polymorphonuclear leukocyte adherence induces actin polymerization by a transduction pathway which differs from chemotactic agents. *J.* *Cell Biol.* 109:1561-1569, 1989

Young, C.L.**, Southwick, F.S.**, and Weber, A. Kinetics of a 41 kilodalton macrophage capping protein with actin: Promotion of nucleation during prolongation of the lag period. *Biochemistry* 29:2232-2240, 1990

DiNubile, M. J., Boom, W. H., **Southwick, F.S.**, Septic Cortical Thrombophlebitis. *J. Infect. Dis.* 161:1216-1120, 1990

**Southwick, F.S.** and Young, C.L. The actin released from profilin-actin complexes is insufficient to account for the increase in F-actin in chemoattractant stimulated polymorphonuclear leukocytes. *J. Cell Biol.* 110:1965-1973, 1990

Dabiri, G.A., Sanger, J.M., Portnoy, D.A., **Southwick, F.S.** *Listeria monocytogenes* moves rapidly through the host cell cytoplasm by inducing directional actin assembly. *Proc. Natl. Acad. Sci. USA* 87:6068-6072, 1990

Brennan, P.J., Zigmond, S.H., Schreiber, A.D., Smith, E.R., and **Southwick, F.S.** Binding of IgG containing immune complexes to human neutrophil FcgRII and FcgRIII induces actin polymerization by a pertussis toxin-insensitive transduction pathway. *J.* *Immunol.* 146:4282-4288, 1991

Pike, M.C., Costello, K. and **Southwick, F.S.** Stimulation of human polymorphonuclear leukocyte phosphatidylinositol-4-phosphate kinase by Con A and FMLP is calcium independent: correlation with maintenance of actin assembly. *J.* *Immunol.* 147:2270-2275, 1991

Sanger, J.M., Mittal, B., **Southwick, F.S.**, Sanger, J.W. Intracellular motility and actin polymerization induced by *Listeria monocytogenes* in infected cells. In: EMSA, Bailey GW (Ed.), *Proceedings of the 49th Annual Meeting of the Electron Microscopy Society of America,* San Francisco, CA, pg 166-167, 1991.

Dabiri G.A., Young, C.L., Rosenbloom, J., and **Southwick, F.S.** Molecular cloning of human macrophage capping protein cDNA: A unique member of the gelsolin/villin family expressed primarily in macrophages. *J. Biol. Chem.* 267:16545-16552, 1992.

Sanger, J.M., Sanger, J.W., and **Southwick, F.S.** Host cell actin assembly is necessary and likely to provide the propulsive force for the intracellular movement of *Listeria monocytogenes. Infect. and Immun.* 60(9):3609-3619, 1992.

Durand, M.L. Calderwood, S.B., Weber, D.J., Miller, S.I., **Southwick, F.S.** , Caviness, V.S., Swartz, M. N. Acute bacterial meningitis in adults: A review of 493 episodes. *N. Engl. J. Med.* 328(1):21-28, 1993.

**Southwick, F.S.** Who was caring for Mary? *Ann. Intern. Med.* 118:146-148, 1993.

Harris, M.C., Shalit, M., and **Southwick, F.S.** Diminished actin polymerization by neutrophils from newborn infants. *Ped. Res.* 33:27-31, 1993.

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