

CURRICULUM VITAE

David M. Svinarich, Ph.D.

OFFICE ADDRESS

Providence Hospital
Department of Patient Care Research
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Southfield, Michigan 48075
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EDUCATION

B.S. (1983) Microbiology, The University of Michigan, Ann Arbor, MI.
M.S. (1984) Biology, Wayne State University, Detroit, MI.
Ph.D. (1989) Wayne State University School of Medicine, Detroit, MI.
Dissertation Title: The Coordinate Regulation of Toxinogenesis in *Shigella dysenteriae* Type 1 by a Ferric Uptake Regulatory Protein (FUR)
Advisor: Sunil Palchaudhuri, Ph.D.
Major: Microbiology and Immunology
Minor: Biochemistry

POSTDOCTORAL TRAINING

Postdoctoral Fellow Department of Molecular Biology and Genetics, Wayne State University School of Medicine Advisor: Stephen A. Krawetz, Ph.D., 1990-1993.

FACULTY APPOINTMENTS

Senior Scientist, National Institutes of Health (NICHD), Perinatal Research Branch, 1993-94.

Assistant Professor, Department of Obstetrics and Gynecology,
C.S. Mott Center for Human Growth and Development, Wayne State University School of Medicine, 1994-2002.

Assistant Professor, Joint appointment, Department of Pediatrics, Wayne State University School of Medicine, 1996-2000.

Coordinator of Neonatal Research, Hutzel Hospital, Wayne State University School of Medicine, 1998-2000.

Assistant Professor, Adjunct appointment, Department of Immunology and Microbiology, Wayne State University School of Medicine, 1997 to present.

Assistant Professor, Adjunct appointment, Center for Molecular Medicine and Genetics, Wayne State University School of Medicine, 2003 to present.

Assistant Professor, Adjunct appointment, Department of Obstetrics and Gynecology, Wayne State University School of Medicine, 2003 to present.

Director of Patient Care Research, Providence Hospital, 2002-2009.

Director of the St. John Health System Cardiovascular Research Network, 2007 to present.

Director, Neurosurgical Research Network, 2008 to present.

St. John Health System Director of Research and Development, 2009 to present.

LICENSING

State of Michigan, Department of Consumer & Industry Services, Board of Pharmacy. Controlled Substance License. License number: K702423. 2002 to present.

United States Department of Justice Drug Enforcement Administration Controlled Substance Registration Certificate. DEA Registration number: RS0301907. 2002 to present.

CAREER RELATED COURSES

IntelliGenetics Molecular Biology Software course, 1990.
Lean/Six Sigma Green Belt training, 2007.

CAREER RELATED ACTIVITIES

1. Institutional Review Board (IRB) chairman (2002-2004).
2. IRB board member (2005 to present).
3. Chairman of the IACUC Animal Investigation Committee (2002 to present).
4. Scientific Advisory Board Member, Molecular Innovations, Inc. (2002 to present).
5. Developed a Summer Externship Program designed to expose undergraduates and high school seniors to biomedical research (2002 to present).
6. Completely revised research, animal research and IRB applications (2002).
7. Developed fee structures for outside collaborations involving animals (2002).
8. Developed clinical research rotation agreements with both national and "off-shore" medical schools (2002).

9. Increased Departmental Staff by 100% using external funds (2002 to present).
10. Developed external business agreements in the areas of tissue procurement, sponsor supported laboratory training, sponsor supported basic and applied biomedical research, etc. Net income in excess of \$200,000 (2003 to 2005).
11. Developed a full color brochure and appeared on a television commercial promoting research at Providence Hospital (2003).
12. Instituted an expedited review policy for suitable clinical studies (2003).
13. Published the Providence Hospital Research Bulletin (2003, 2007).
14. Substantially increased the level of sponsored support for our annual Resident Research Day (2002 to present).
15. Developed fee structures for IRB review within the St. John Health System (2003, 2009).
16. Participated in the development of an intellectual property and patent agreement protocol within the St. John Health System (2003).
17. Developed a Website for the Department of Patient Care Research (2004, 2009).
18. Established the Providence Hospital Biosafety Committee (2004 to present).
19. Developed reciprocal IRB agreements throughout the St. John Health System (2004, 2009).
20. Developed a Surgical and Clinical Skills Training Center (2005).
21. Developed an Anatomical Research Center (2005).
22. Developed external business agreements to bring clinical trials research to the St. John Health System (2005).
23. Developed a business plan to establish a Phase I and Phase II clinical research site with a large Contract Research Organization (2005).
24. Developed regional training opportunities for several large biomedical companies (2005 to present).
25. Founding Board Member, Michigan Neurosurgical Foundation (2005 to present).
26. Developing clinical trials collaborations among investigators in Oncology and Cardiology, across the St. John Health System (2005).
27. Developed external agreements and fee structures for training in Microsurgery, Animal Research and Anatomical Research (2005).
28. Developed a clinical trials preliminary review procedure to assess study quality and fulfillment of enrollment quotas (2006).
29. Established an improved pricing strategy for clinical trials contracts (2006).
30. Participated in the drafting and establishment of scientific misconduct policies for the St. John Health System (2007).
31. Drafted research review policies for the Providence Hospital Research Committee (2007).
32. Developed a Cardiovascular Research Network Bulletin for St. John Health (2007).

33. Brought in WSU School of Medicine Anatomists to conduct pro-dissections and didactic sessions with graduate medical students (2007 to present).
34. Established a second Summer Biomedical Research Program to expose students to careers in biomedical research and medicine (2007 to present).
35. Participated in the development and implementation of the "First Midwest Conference on Stem Cell Biology and Therapy" in collaboration with Oakland University, Rochester, Michigan (2008).
36. Developed and obtained funding (Caduceus Society, \$31,000) for the Summer Biomedical Research Program (2008).
37. Appeared on ABC (Channel 2 News), highlighting the Summer Biomedical Research Program (2008).
38. Helped to develop a searchable clinical database for Neurosurgical services (2008).
39. Developed policies to ensure adequate oversight of investigators conducting clinical trials (2008).
40. Developed policies to ensure appropriate financial oversight of clinical trials (2008).
41. Developed policies to ensure appropriate use of the IRB by investigators conducting studies at Providence hospital (2008).
42. Developed a business plan for an ACLS Code training program within Providence Hospital (2009).
43. Developed a budget for simulation training program and facility at Providence Park, Novi, MI (2009).
44. Obtained funding (Caduceus Society, \$15,000) for the Summer Biomedical Research Program (2009).

STRATEGIC BUSINESS RELATIONSHIPS

Abbott Spine
 Abiomed, Danvers, MA
 Aesculap, Inc., Center Valley, MI
 Assay Designs, Inc., Ann Arbor,
 Asterand, plc., Detroit, MI
 Blackstone Medical, Inc. Springfield, MA
 Bauer BioMedical, LLC., UT
 Boston Scientific, Natick, MA
 Covidien, Mansfield, MA
 Issys Designs, Inc., Ann Arbor, MI
 JoiMax-Milford Medical, GmbH, Germany
 Molecular Innovations, Inc., Novi, MI
 Somanetics, Inc., Troy, MI
 SpineVision, San Francisco, CA
 Stryker Hopkinton, MA

Synthese Spine
Tyco Healthcare, Princeton, NJ
TranS1, Wilmington, NC
US Surgical, Los Angeles, CA
ZDR, Inc., Pinkney, MI
Zimmer Spine, GmbH, Germany

CONSULTING

American Red Cross, 2002.
Molecular Innovations, Inc., 2002-2003.
Assay Designs, Inc., 2003-2004.
Pontiac Osteopathic Hospital, 2003 to present.
Bon Secours Hospital, 2004.
Asterand, Inc. 2005 to present.
St. Joseph Hospital, 2006-2008.

MAJOR PROFESSIONAL SOCIETIES

Scientific Council Member-American Heart Association, 1992-1993.
Society for Gynecologic Investigations, 1997-2009.
American Association for the Advancement of Science, 1996-2000.
New York Academy of Science, 1997.
Infectious Diseases Society of Obstetrics and Gynecology, 1998-2006.
Society of Research Administrators International, 2003-2005.
Preterm Birth International Collaborative (PREBIC), 2006 to present.

AWARDS/HONORS

Graduate Professional Scholarship, 1985-1987.
Graduate Research Assistantship, 1988.
David Sanderson Memorial Travel Award, 1988.
Facilitator: American Society for Microbiology Scientist-Educator Team Program, 1992.
Infectious Diseases Society for Obstetrics and Gynecology, Best Young Investigator Award, Upjohn Research Award, 1995.
WHO'S WHO IN SCIENCE AND ENGINEERING, 3rd Edition, 1996-97.
Research Society on Alcoholism/National Institute on Alcohol Abuse and Alcoholism Junior Investigator Award, 1996.
Society for Perinatal Obstetricians, Scientific Abstract Award, 1998.
Research Society on Alcoholism Research Recognition Award Finalist, 2000.
Empire's Who's Who Among Executives and Professionals, 2006-2007.

CITATIONS (selected)

Cited in: New Insights On Molecular Pathways Utilized By Salmonella Species In Cell Binding. Communicable Disease Report CDR Review. 4(11)R136-140, 1994.

Cited in: New Insights On Molecular Pathways Utilized By Salmonella Species In Cell Binding. *Frontiers in Bioscience* 1,D131-145, 1996.

Cited in: "Three Months in Review: Current Progress in Early Pregnancy Investigation" *Early Pregnancy: Biology and Medicine*, 1997.

Cited in: Current Awareness in Biomedicine; Growth Factors & Cytokines. Ethanol-induced expression of cytokines in a first-trimester trophoblast cell line *7(20):3*,1998.

Cited in: Intelihealth, Reuters, Ltd. The role of trophoblasts in alcohol-induced fetal immune dysfunction, 1998.

Cited in: Alcohol and Pregnancy; ETOH. The Alcohol and Alcohol Problems Science Database. The Office of Scientific Affairs, National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health. P. 61, June 1999.

Cited in: SCIENCE, Regulation of Intestinal alpha-Defensin Activation by the Metalloproteinase Matrilysin in Innate Host Defense. *286:113-117*, 1999.

Cited in: Alcohol and the Developing Fetus-A Review. *Med Sci Monit.* **6(5):1031-1041**, 2000.

Cited in: Molecular Biotechnology included in chapter on: Characterizing a Human Lysyl Oxidase Chromosomal Domain. Stephen A. Krawetz. **15(3):225-236**, 2000.

Cited in: Public Human PSDTM. Human Protein Report, Proteome, Inc. 2001. Included in chapter: Clinical studies. *Infectious Diseases in Obstetrics and Gynecology.* **9(2):113-116**, 2001.

Cited in: *Reproductive Biology and Endocrinology.* Review, Innate Immune Defensins in the Human Endometrium. **1:1-17**, 2003.

Cited in: Effect of Lifestyle Exposures on Sperm Aneuploidy, Cytogenetic and Genome Research **111(3-4): 371-377**, 2005.

Cited in: *American Journal of Reproductive Immunology*, Circulating Endothelial Progenitor Cells During Normal Pregnancy and Pre-Eclampsia. **56:79**, 2006.

Cited in: NATURE REVIEWS/IMMUNOLOGY, Defensins in Innate Antiviral Immunity. **6(6):447-456**, 2006.

GRANTS

Detection of Defensins in Gynecologic Tissues. Fund for Medical Research

Education (FMRE), Wayne State University, School of Medicine, 1993. P.I. D.M. Svinarich. Amount: \$10,000.

Research Stimulation Support, Wayne State University, 1995. P.I. D.M. Svinarich. Amount: \$200.00.

The role of Nitric Oxide expression in Alcohol Mediated Intrauterine Growth Retardation. Department of Obstetrics and Gynecology Pilot Grant, Wayne State University, School of Medicine, 1996-98. P.I. D.M. Svinarich. Amount: \$10,000.

The Role of Endothelial Nitric Oxide Synthase in Ethanol-Induced Vascular Spasm. Department of Obstetrics and Gynecology Chairman's Grant, Wayne State University, School of Medicine, 1997-98. P.I. D.M. Svinarich. Amount: \$13,000.

The Role of Cytokines and Vasoactive Agents in Post-Operative Adhesion Formation. Co-PI. Drs. Mike Diamond, Frank Yelian. Investigator: D.M. Svinarich. Genzyme Corp., 1997-98. Amount: \$7,500.

Effects of Imiquimod on Human Placental Trophoblast Function. 3M Pharmaceuticals. 1997-98. Co-P.I Bernard Gonik, D.M. Svinarich. Amount: \$13,000.00.

The Effect of Paternal Alcoholism on Methyltransferase Activity in Offspring. Co-PI. Wayne State University School of Medicine, Department of Obstetric and Gynecology, 1997. Co-P.I. E. Abel, D.M. Svinarich. Amount: \$5,000.00.

Regulation of Pulmonary Circulation in Fetus and Newborn. P.I.: Ganesh Konduri. Collaborating Investigator: D.M. Svinarich. NIH, 4/01/98-3/31/02. Amount: \$779,697.00. Percent effort: 15%.

Minority Biomedical Research Student Grant. Collaborating Investigator: D.M. Svinarich. NIH, 4/1/98-3/31/99. Amount: \$33,128.

Initiative for Minority Student Development (IMSD). Collaborating Investigator: D.M. Svinarich. NIH(NGMS), 4/1/99-3/31/00. Amount: \$2,000,000.00.

The Effect of Succinate on Mononuclear Cell Transcription and Production of Interleukin-8. Society for Gynecologic Investigation Medical Student Stipend for Research in Reproduction. Society for Gynecologic Investigation. Co-P.I: B. Gonik, D.M. Svinarich. 1998. Amount: \$2,000.00.

The Effects of Prenatal Alcohol Exposure on Cortical Neuron Development: Mechanism of Alcohol's Neurotoxicity in Fetal Alcohol Syndrome. The ARC of Michigan. 1998. Amount: \$1,200.00. Thesis Advisor.

WSU-ORSP. The Effect of Paternal Alcoholism on Methyltransferase Activity. PI. 1998 Amount: \$1,000.00.

Alteration of placental endothelin-1 transcription and the development of IUGR following prenatal cocaine abuse. P.I.: David M. Svinarich. Wayne State University School of Medicine, Department of Obstetrics and Gynecology, 1999. Amount: \$8,083.

The Effects of Prenatal Alcohol Exposure on Cortical Neuron Development: Mechanism of Alcohol's Neurotoxicity in Fetal Alcohol Syndrome. The ARC of Michigan. 2000. Amount: \$1,200.00. Thesis Advisor.

Initiative for Minority Student Development (IMSD). Collaborating Investigator: D.M. Svinarich. NIH(NGMS), 4/1/00-3/31/01. Amount: \$776,983.00.

Intergovernmental Personnel Act Contract. P.I.: David M. Svinarich. NIH/National Institute of Child Health and Human Development. 1/1/2002-12/31/2002. Amount: \$16,327.00. Declined.

Development of an Anatomical Research Laboratory. P.I.: David M. Svinarich. Providence Hospital Caduceus Society. 5/2/05-5/1/06. Amount: \$24,457.20.

Capital equipment purchase-Anatomical Research laboratory. P.I.: David M. Svinarich. Providence Hospital Caduceus Society. 7/20/07. Amount: \$28,440.00.

Summer Biomedical Research Program. P.I.: David M. Svinarich. Providence Hospital Caduceus Society. 6/2/08. Amount: \$31,000.00.

Summer Biomedical Research Program Funding. P.I.: David M. Svinarich. Providence Hospital Caduceus Society. 8/17/09. Amount: \$15,000.00.

PROFESSIONAL SERVICE

Reviewer (ad hoc) Journal of Diarrhoeal Diseases Research, 1993.

EduMentor program of Oakland County, 1993-2002.

Security and Safety Committee (Chair), Mott Center, 1995.

Scientific Judge: Medical Student Symposium, 1994 to present.

Thesis Defense Moderator, Master's Thesis, Dr. Yan Yang, 1995

Thesis Defense Moderator, Master's Thesis, Mr. Jeffery Schultz, 1995

Chair, Department of Obstetrics and Gynecology Vivarium, 1996-2001.

Doctoral thesis advisor, Ms. Dawn Bielawski, 1997-1999.

Doctoral thesis advisor, Ms. Surilla Randall, 1997-2001.

Master's thesis advisor, Ms. Lauri Laichalk, M.S. 1998.

Immunology and Microbiology Medical Student laboratory instructor, 1997-2002.

Reviewer (ad hoc) Alcoholism: Clinical and Experimental Research, 1998.

Scientific Judge: Minority Biomedical Research Symposium, 1998.

Reviewer (ad hoc) Alcohol, 1999.

Reviewer (ad hoc) IN VITRO, 1999.
Reviewer (ad hoc) American Journal of Obstetrics and Gynecology, 1999, 2001, 2008.
Reviewer (ad hoc) Journal of the Neurological Sciences, 2000.
Reviewer (ad hoc) IN VITRO, 2000.
Grant Reviewer (ad hoc) Canadian Institutes of Health Research, 2001.
Scientific Advisory Board Member, Molecular Innovations, Southfield, Michigan. 2002 to present.
Oakland Health Education Program (OHEP) Research Committee Member, 2002-2005.
Michigan Society for Medical Research (MISMR), Board of Directors, 2004-2006.
Chairman, Providence Hospital Institutional Review Board, 2002-2004.
Providence Hospital Institutional Review Board member, 2005 to present.
Chairman, Providence Hospital IACUC Animal committee, 2002 to present.
Providence Hospital Research Committee, 2002 to present.
Chairman, Providence Hospital Biosafety Committee, 2004 to present.
Neurosurgical Research Foundation, Board of Directors. 2005-present.
South Eastern Michigan Center for Medical Education (SEMCME), Committee Vice Chairman, 2006-present.
Oakland University Biosafety Committee Member, 2006-2009.
Scientific Judge, Michigan State University College of Osteopathic Medicine, Obstetrics and Gynecology Resident Research Day, 2006.
St. John Health System Cardiovascular Research Network Director, 2007 to present.
St. John Health System Cardiovascular Clinical Network, Co-Chair, 2007 to present.
Neurosurgical Research Network, Scientific Director, 2008 to present.
Scientific Advisory Board, Bauer BioMedical, LLC., 2008 to present.
Scientific Judge, South Eastern Michigan Center for Medical Education (SEMCME), 2009.

RESEARCH INTERESTS

Expression and regulation of non-adaptive peptides protective against infection.

Use of embryonic stem cells in the generation of intervertebral discs.

Genetic effects on pre-term birth as a function of ethnicity.

INVITED PRESENTATIONS

Wayne State University School of Medicine, Department of Neonatology, Detroit, MI. "Fundamentals of Molecular Biology" March 15, 1994.

Wayne State University School of Medicine, Department of Neonatology, Detroit, MI. "Advanced Molecular Biology Techniques" March 22, 1994.

Wayne State University School of Medicine, Department of Obstetrics and Gynecology. Grand Rounds. September 17, 1996.

Wayne State University School of Medicine, Department of Obstetrics and Gynecology, Detroit, MI. C.S. Mott Center Advisory Committee. "Detection of Human Defensin 5 in Chorion, Endocervix, Endometrium and an Endometrial Cell Line by RACE-PCR", March 13, 1997.

Wayne State University School of Medicine, Department of Obstetrics and Gynecology, Detroit, MI. C.S. Mott Center Steering Committee. "Detection of Human Defensin 5 in Chorion, Endocervix, Endometrium and an Endometrial Cell Line by RACE-PCR", April 30, 1997.

Wayne State University School of Medicine, Department of Neonatology, Detroit, MI. "Fundamentals of Molecular Biology" December 3, 1997.

Wayne State University School of Medicine, Department of Neonatology, Detroit, MI. "Cell culture and Preimplantation" January 7, 1998.

Wayne State University School of Medicine, Genital pathogens/molecular pathogenesis interest group, Detroit MI. "Detection of Human Defensins in Gynecologic Tissues" January 6, 2000.

Wayne State University School of Medicine, Department of Neonatology, Detroit, MI. "Fundamentals of Molecular Biology" April 25, 2001.

Providence Hospital. Department of Cardiology, Southfield, MI. "Fundamentals of Molecular Biology" January 23, March 27, May 22, 2003.

OHEP. Providence Hospital, Southfield, MI. "Use and Function of the Institutional Review Board" October 13, 2004.

Wayne State University School of Medicine, Department of Cellular Biology, Detroit, MI. "Expression of Antimicrobial Peptides Comprising the Non-adaptive Immune System" December 7th, 2006.

Association of Osteopathic Directors and Medical Educators (AODME) 2007 Joint Spring Educational Institute, Marco Island, Florida. "How to Support Research and Scholarly Activities in the GME" May 11th, 2007.

The First Midwest Conference on Stem Cell Biology and Therapy, Oakland University, Rochester, Michigan. "Regulatory Aspects of Human Embryonic Stem Cell Research", May 9th, 2008.

10th Annual AUC Faculty Symposium, St. Maarten. "AUC Alumni Research, Medical Student Research Education", June 2nd and 3rd, 2008.

SEQUENCE SUBMISSIONS TO DATABASES

Human Lysyl Oxidase nucleotide sequence. Submitted to the GenBank database, Los Alamos National Laboratory. Accession number: M84150. Los Alamos, NM, 1992.

TEACHING EXPERIENCE

Instructor in Immunology and Microbiology for second year medical students, 1986.

Instructor in Immunology and Microbiology for medical technology students, 1987-1988.

Instructor in Immunology and Microbiology (Year II medical students), 1997-2002.

Molecular biology techniques (Pediatric Fellows), 1998.

RESEARCH INSTRUCTION

Visiting Scholars

Dr. Gunta Lazdane, M.D. Professor and Chairman, 1996
Dept. Ob/Gyn Medical Academy of Latvia, Riga, Latvia.

Dr. In-Bai Chung, M.D. Assistant Professor, Dept. Ob/Gyn 1996-1997
Yonsei University, Wonju College of Medicine,
Wonju Christian Hospital, Wonju, South Korea

Fellows

Dr. Maria Villanueva, M.D., Dept. Pediatrics 1995-1998
(Recipient of the Wolf W. Zuelzer Fellow Research Award,
Children's Research Center of Michigan, 1997. Joint American
Pediatric Society and The Society for Pediatric Research,
Best Young Investigator Award, 1997).

Dr. J. Edgar Posecion, M.D., Dept. Pediatrics 1998

Residents

Dr. Rand Abdounour, M.D., Dept. Pediatrics 1998-1999
(Sheldon Brenner Resident Research Award finalist, 1999)

Medical Students

Mr. Phil Zink, B.S. 1998

Mr. Jeff Jednocz, B.S. 1998

Graduate Students

Ms. Dawn Bielawski, B.S., M.S. Psychology 1997-2000
(Recipient of the RSA Scientific Abstract Award, 2000).

Ms. Surilla Randall, B.A., B.Sc., M.A. Biopsychology 1997-2000
(Recipient of an ARC foundation of Michigan Grant, 1998)

(MBRS)	
Ms. Lauri Laichalk, B.S. M.S.	1998
Undergraduate Students	
Ms. Marci Anthony (MBRS)	1997-2001
(Recipient of the Wayne State University Outstanding Undergraduate Research Award, 1998)	
Mr. Jerry Simmons	1997-1998
Ms. Michelle Jacobson (Northwestern U.)	1997
Ms. Jennifer Brightwell (MBRS)	1999-2003
Ms. Natasha Jackson (MBRS)	2001-2002
Cranbrook Institute of Science EduMentor Program Students	
Ms. Ratchel Keller	1994
Ms. Daniel Stedman	1995
Ms. Keri Whalen	1995
Ms. Kegan Sprinkle	1995
Ms. Alexis Alexandridis (First Place, Detroit Science Fair, 1997)	1996-1997
Mr. Amit Sachdeva	1997
Ms. Anna Marandici	1997
Ms. Caitlin Shein	1998
Mr. Morgan Kirley	1998-1999
Ms. Randee Miller	2001
Ms. Therez Perone	2002-2003
Research Assistants/Associates	
Mr. Norbert Wolf, B.S., NICHD, PRB	1994-1995
Mr. Hereberto Areneda, B.S., NICHD, PRB	1994-1995
Ms. Ornella Bitonti, B.S., Dept. Ob/Gyn	1995-1996
Mr. John DiCerbo, B.S., Dept. Ob/Gyn	1996-1998
Mr. Fadi M. Zaher, M.S., Dept. Ob/Gyn, Pediatrics	1996- 2000
Mr. John W. Hotra, B.S., Dept. Ob/Gyn	1996-1998
Mr. Etienne Ngoumgna, B.S., Dept. Pediatrics	1996-1997
Mr. Victor Morales, B.S., Dept. Pediatrics	1996
Dr. Boytcho Boytcher, M.D., Dept. Ob/Gyn	1998-2000
Dr. Daniel Pena, Ph.D., Dept. Psychiatry and Behavioral Neurosciences	2000
Ms. Linda Brish, B.S., Dept. Ob/Gyn	2001-2002

Discontinued after 2002.

PUBLICATIONS BOOKS AND CHAPTERS

Vasundhara Tolia, MD, FAAP, FACG, Svinarich, David, Ph.D. Evaluation and Management of Failure to Thrive. 2009. In Press

ARTICLES APPEARING IN PEER REVIEWED JOURNALS

Jones, G.J., Rabert, D.K., Svinarich, D.M., Whitfield, H.J. Association of Adhesive, Invasive, and Virulent Phenotypes of Salmonella typhimurium with Autonomous 60-Megadalton Plasmids. *Infection and Immunity* **38**:476-486, 1982.

Aqua, M.S., Svinarich, D.M., Dhar, A., and Palchaudhuri, S. The Stability of O-Antigen Plasmid Determined by a Chromosomal Region of Shigella dysenteriae. *Canadian Journal of Microbiology* **34**:58-62, 1988.

Svinarich, D.M., Sheck, M., and Krawetz, S.A. Inexpensive Isolation of Poly(A⁺)-mRNA Using Chaotropic Agents. *Methods in Molecular and Cellular Biology* **2**:143-140, 1991.

Svinarich, D.M., Twomey, T.A., Macauley, S.P., Krebs, C.J., Yang, T.P. and Krawetz, S.A. Characterization of the Human Lysyl Oxidase Gene Locus. *The Journal of Biological Chemistry* **267**:14382-87, 1992.

Svinarich, D.M. and Palchaudhuri, S. The Coordinate Regulation of Toxinogenesis in Shigella dysenteriae Type 1 by a Ferric Uptake Regulatory Protein (FUR). *Journal of Diarrhoeal Diseases Research* **3**:139-145, 1992.

Svinarich, D.M. and Krawetz, S.A. Gene Assignment by Quantitative Hybridization Analysis of Somatic Cell Hybrids. *BioTechniques* **13**:1-5, 1992.

Chang, S.M., Svinarich, D.M., Yang, T.P. and Krawetz, S.A. The Mouse Lysyl Oxidase Gene Resides on Chromosome 18. *Cytogenetics and Cell Genetics* **63**:47-49, 1993.

Romero, R., Gomez, R., Munoz, H., Acosta, L., Yoon, B.H., Svinarich, D.M., and Cotton, D.B. Macrophage inflammatory protein-1a in term and preterm parturition: Effect of microbial invasion of the amniotic cavity. *American Journal of Reproductive Immunology* **32**:108-113, 1994.

Yang, Y., Todt, J.C., Svinarich, D.M., Qureshi, F., Jacques, S.M., Graham, C.H., Chung, A.E., Gonik, B. and Yelian, F.D. Human trophoblast cell adhesion to extracellular matrix protein, entactin. *American Journal of Reproductive Immunology* **35**:2-8, 1996.

Svinarich, D.M., Bitonti, O.M., Romero, R. and Gonik, B. Induction and Post-translational expression of cytokines in a first trimester trophoblast cell line by lipopolysaccharide. *American Journal of Obstetrics and Gynecology* **36**:256-259, 1996.

Svinarich, D.M., Ornella M. Bitonti, Hereberto Araneda, Roberto Romero and Bernard Gonik. Induction and postranslational expression of G-CSF and

RANTES in a first trimester trophoblast cell line by lipopolysaccharide. *American Journal of Reproductive Immunology* **175**:970-973, 1996.

Svinarich, D.M., Wolf, N.A., Gonik, B. and Romero, R. Detection of human defensin 5 in reproductive tissues. *American Journal of Obstetrics and Gynecology* **176**(2):470-475, 1997.

Svinarich, D.M., Gomez, R and Romero, R. Detection of human defensins in placenta. *American Journal of Reproductive Immunology* **38**:252-255, 1997.

Villanueva, M.E., Zaher, F.M., Svinarich, D.M., and Konduri, G.G. Decreased Transcription of endothelial nitric oxide synthase in newborns with persistent pulmonary hypertension. *Pediatric Research* **44**(3):338-343, 1998.

Svinarich, D.M., DiCerbo, J.A., Zaher, F.M., Yelian, F.D. and Gonik, B. Ethanol-induced expression of cytokines in a first trimester trophoblast cell line. *American Journal of Obstetrics and Gynecology*. **179**(2):470-475, 1998.

I-B Chung, D.M. Svinarich, F.M. Zaher, B. Gonik, M.P. Johnson, M.I. Evans, M.P. Diamond and F.D. Yelian. Expression and regulation of vascular endothelial growth factor in a first trimester trophoblast cell line. *Placenta*. **21**:320-324, 2000.

Villanueva, M.E., Svinarich, D.M., Gonik, B. and Ostrea, E.M. Detection of cytomegalovirus in the meconium of infected newborns by the polymerase chain reaction. *Infectious Diseases in Obstetrics and Gynecology*. **8**(3-4):166-171, 2000.

Manlove-Simmons, J.M., B.S., Zaher, F.M., M.S., Tomai, M., Ph.D., Gonik, B., M.D., Svinarich, D.M., Ph.D. Effect of imiquimod on cytokine induction in first trimester trophoblasts. *Infectious Diseases in Obstetrics and Gynecology*. **8**(2):105-111, 2000.

David M. Svinarich, Ph.D., Fadi M. Zaher, M.S., Lena Holmdahl, M.D., Ph.D., Nasser Chegini, Ph.D., Bernard Gonik, M.D. and Michael P. Diamond, M.D. for the PHAMUS group. Adhesion Development and the Expression of Endothelial Nitric Oxide Synthase. *Infectious Diseases in Obstetrics and Gynecology*, **9**(2):113-116, 2001.

Dawn M. Bielawski, Fadi M. Zaher, David M. Svinarich and Ernest L. Abel. Paternal Alcohol Exposure Affects Sperm Cytosine Methyltransferase mRNA Levels. *Alcoholism: Clinical and Experimental Research*, **26**(3):347-351, 2002.

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