

CURRICULUM VITAE

JUAN R. SANCHEZ-ESTEBAN, M.D.

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EDUCATION

Undergraduate: 1972-1974 Science
"Instituto Cura Valera"
Almeria, Spain

Medical School: 1974-1980 Autonomous University of Barcelona
Barcelona, Spain

POSTGRADUATE EDUCATION AND TRAINING

1984-87 Residency, Pediatrics
"Hospital Materno-Infantil Valle de Hebron"
Barcelona, Spain

1/1988-6/88 Child Neurology Unit
"Hospital Materno-Infantil Valle de Hebron"
Barcelona, Spain

1988-91 Neonatology Training
"Hospital Materno-Infantil Valle de Hebron"
Barcelona, Spain

1991-94 Junior Attending Neonatologist

- “Hospital Materno-Infantil Valle de Hebron”
Barcelona, Spain
- 1994-96 Residency, Pediatrics
Metropolitan Hospital Center
New York, NY
- 1996-99 Fellowship in Neonatology
Women and Infants’ Hospital of Rhode Island
Brown University
Providence, Rhode Island
- 2003 Marine Biological Laboratory Summer Course: “The
Biochemical and Molecular Basis of Cell Signaling”

POSTGRADUATE HONORS AND AWARDS

- 1998 “Effects of Mechanical Forces on Pulmonary Epithelial Gene Expression and
Differentiation”. Selected for news media coverage. Annual meeting of the
Pediatric Academic Societies (APS/SPR/APA), New Orleans, LA
- 1998 “Mechanical Forces Regulate Surfactant Protein Gene Expression in
Isolated Alveolar Epithelial Cells and Type II Cell Phenotype”. Young
Investigator’s Award on Basic Science. 6th Annual Hospital Research
Celebration. Posters Session. Rhode Island Hospital. Providence, RI
- 2001 Selected to participate in new mentoring program for Beginning Faculty,
Brown Medical School
- 2003 Richard B. Salomon Faculty Award (Brown Medical School)
- 2004 Parker B. Francis Fellow
- 2005-present Committee Member, New England Perinatal Society
- 2006-present Chair, Expedite Review Subcommittee of Institutional Review Board
- 2008 National Institute of Health, R01 Grant Award
- 2008 American Lung Association, Career Investigator Award (declined)

MILITARY SERVICE

- 1981-83 Navy (Spain)

BOARD CERTIFICATION

1993	Educational Commission for Foreign Medical Graduates, No 0-461-013-5
1996	American Board of Pediatrics, No 060146
2000	Rhode Island Medical License, No MD10402
2001	Neonatal-Perinatal Medicine, No 003856

ACADEMIC APPOINTMENTS

1996-2000	Instructor in Pediatrics, Brown Medical School
2000-2009	Assistant Professor of Pediatrics (Research Scholar) The Warren Alpert Medical School of Brown University
2009-present	Associate Professor of Pediatrics (Research Scholar) The Warren Alpert Medical School of Brown University

HOSPITAL APPOINTMENTS

1991-94	“Clinica Quiron” Barcelona, Spain Staff Neonatologist
1991-94	“Clinica Stauros” Barcelona, Spain Staff Pediatrician
1996-99	Women and Infants Hospital of Rhode Island Neonatology Fellow
1999-present	Women and Infants Hospital of Rhode Island Staff Neonatologist
2003-present	Pawtucket Memorial Hospital Staff Neonatologist
2004-present	Kent Hospital Staff Neonatologist

OTHER APPOINTMENTS

2005-06 Ad Hoc Reviewer, The Israel Science Foundation

HOSPITAL COMMITTEES

1996-99 Member, Regional Neonatal Transport Team Committee

1996-99 Member, Special Care Nursery Discharge Plan Committee

1997-99 Coordinator of Maternal Fetal Medicine Elective for Neonatal-Perinatal Medicine Fellowship

2002-04 Member, WIH Health Sciences Information Center Committee

2003-present Member, Institutional Review Board Committee and Expedite Review Subcommittee

2006-present Chair, Expedite Review Subcommittee

2006 Team Leader, Clinical Guideline: Congenital Diaphragmatic Hernia

2006-present Member, Neonatal Sepsis Task Force

2007 Team Leader, Clinical Guideline: Nasal Ventilation in Newborns

2007-present Member, Clinical Guideline: Patent Ductus Arteriosus in Newborns

2007-present Member, Multidisciplinary Discharge Planning Tool Committee

2009 Ad hoc Member, Safety Data Monitoring Board Committee

2009-present Member, Necrotizing Enterocolitis Task Force

UNIVERSITY AND EXTRAMURAL COMMITTEES

2004 Search Committee, Associate Director of the Molecular Biology and Histology Core for COBRE in Perinatal Biology, Women & Infants Hospital

2005-present Search Committee, Neonatology Faculty Position, Women & Infants Hospital, Brown Medical School

2008 Society for Pediatric Research, Annual Meeting. Co-Chair, Platform Session on Lung Development

- 2008 New England Conference on Perinatal Research, Annual Meeting, Moderator, Platform Session
- 2008 Eastern Society for Pediatric Research, Abstracts Reviewer Committee.
- 2009 Eastern Society for Pediatric Research, Annual Meeting, Moderator, Platform Session

MEMBERSHIP IN SOCIETIES

- 1988-94 Catalan Society of Neonatology, Barcelona, Spain
- 1995-present American Academy of Pediatrics
- 1997-present New England Perinatal Society
- 1998-present Eastern Society for Pediatric Research
- 2000-present American Thoracic Society
- 2001-present American Physiological Society
- 2001-present The American Society for Cell Biology
- 2003-present Society for Pediatric Research

JOURNAL PEER REVIEW

- American Journal of Physiology Lung Cellular and Molecular Physiology
- Journal of Histochemistry and Cytochemistry
- Journal of Pediatrics
- Apoptosis
- Experimental Lung Research
- Pediatric Pulmonology
- World Journal of Pediatrics
- Pediatrics
- Cell Biochemistry and Biophysics
- Journal of Perinatology

ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. Roig Quilis M, Sanchez Esteban J, Lombes A, Dimauro S, Navarro F, Balbuena C, Dominguez Luengo C, Sune Garcia J, Macaya Ruiz A. Clinical and Biochemical heterogeneity of childhood cytochrome C deficiency. Review of the literature. *An. Esp. Pediatr.* 34(2): 115-122, 1991.
2. Sanchez-Esteban J, Tsai SW, Sang J, Qin J, Torday JS, Rubin LP. Effects of Mechanical Forces on Lung-Specific Gene Expression. *Am. J. Med. Sci.* 316(3): 200-4, 1998.
3. Torday JS, Sanchez-Esteban J, Rubin LP. Paracrine Mediators of Mechanotransduction in Lung Development. *Am. J. Med. Sci.* 316(3): 205-8, 1998.
4. Sanchez-Esteban J, Cicchiello L, Tsai SW, Wang Y, Williams LK, Torday JS, Rubin LP. Mechanical Stretch Promotes Alveolar Epithelial Type II Cell Differentiation. *J. Appl. Physiol.* 91: 589-95, 2001.
5. Sanchez-Esteban J, Wang Y, Cicchiello L, Rubin LP. Cyclic Mechanical Stretch Inhibits Cell Proliferation and Induces Apoptosis in Fetal Rat Lung Fibroblasts. *Am. J. Physiol Lung Cell Mol Physiol* 282(3): L448-56, 2002.
6. Sanchez-Esteban J, Wang Y, Gruppuso PA, Rubin LP. Mechanical stretch Induces Fetal Type II Cell Differentiation via an EGFR-ERK Signaling Pathway. *Am.J.Resp.Cell Mol.Biol* 30 (1): 76-83, 2004.
7. Sanchez-Esteban J, Wang Y, Filardo EJ, Rubin LP, Ingber DE. Integrins $\beta 1$, $\alpha 6$ and $\alpha 3$ contribute to mechanical strain-induced differentiation of fetal lung type II epithelial cells via distinct mechanisms. *Am. J. Physiol Lung Cell Mol Physiol* 290: L343-50, 2006.
8. Wang Y, Maciejewski BS, Weissman G, Silbert O, Han H, Sanchez-Esteban J. DNA microarray reveals novel genes induced by mechanical forces in fetal lung type II epithelial cells. *Pediatr.Res* 60: 118-24, 2006.
9. Wang Y, Maciejewski BS, Lee N, Silbert O, McKnight NL, Frangos JA, Sanchez-Esteban J. Strain-induced fetal type II epithelial cell differentiation is mediated via cAMP-PKA-dependent signaling pathway. *Am. J. Physiol Lung Cell Mol Physiol* 291: L820-7, 2006.
10. Lee H-S, Wang Y, Maciejewski BS, Esho K, Fulton C, Sharma S, Sanchez-Esteban J. Interleukin-10 Protects Cultured Fetal Rat Type II Epithelial cells from Injury Induced by Mechanical Stretch. *Am. J. Physiol Lung Cell Mol Physiol* 294:L225-32, 2008.
11. Silbert O, Wang Y, Maciejewski BS, Lee H-S, Shaw SK, Sanchez-Esteban J. Roles of RhoA and Rac1 on actin remodeling, cell alignment and differentiation in fetal type

II epithelial cells exposed to cyclic mechanical stretch. *Exp. Lung Res.* 34:663-680, 2008.

12. Wang Y, Maciejewski BS, Soto-Reyes D, Lee H-S, Warburton D, Sanchez-Esteban J. Mechanical stretch promotes fetal type II epithelial cell differentiation via shedding of HB-EGF and TGF- α . *J Physiol.* 587 (8): 1739-1753, 2009.

BOOKS OR BOOK CHAPTERS

1. Sanchez-Esteban J. Utilizacion del oxido nitrico en la prematuridad: comentario. De guardia en Neonatologia. 2003b. Ed: Ergon. ISBN:84-8473-213-4.

ABSTRACTS

1. Sanchez-Esteban J, Tsai SW, Torday JS, Rubin LP. Effect of Mechanical forces on pulmonary epithelial lung-specific gene expression and differentiation. Accepted for platform presentations at the New England Conference on Perinatal Research, Chatham, MA, 1997; at the Society for Physical Regulation in Biology and Cellular Deformation, Atlanta, GA 1997; at the New England Perinatal Society, Woodstock, VE, 1998; and at the Society for Pediatric Research, New Orleans, LA. May 1998. *Ped. Res.* 1998; 43:296 A.
2. Sanchez-Esteban J, Cicchiello L, Tsai SW, Williams L, Rehan VK, Rubin LP. Mechanical Stretch-Activated Type II Cell-Fibroblast interactions Regulate Surfactant Protein Gene Expression and Alveolar Remodeling. Accepted for platform presentations at the New England Perinatal Society, Woodstock, VE, 1999 and at the Society for Pediatric Research, San Francisco, CA, 1999. *Ped. Res.* 1999; 45:319 A.
3. Sanchez-Esteban J, Cicchiello L, Tsai SW, Wang Y, Torday JS, Rubin LP. Mechanical Stretch Inhibits Proliferation and Induces Apoptosis in Isolated Fetal Rat Lung Fibroblasts. Accepted at the 7th Annual Research Celebration Poster Presentation, 1999, Providence, RI. Accepted for thematic poster session. American Thoracic Society. Toronto, Canada, 2000. *Am. J. Respir. Crit. Care Med.* 2000; 161: A567.
4. Sanchez-Esteban J, Wang Y, Rubin LP. Mechanical Stretch Activates Extracellular Signal-Regulated Protein Kinase (ERK), p38 Kinase and Jun-N-Terminal Kinase (JNK) in Fetal Rat Pulmonary Epithelial Cells. Accepted for platform presentations at the New England Perinatal Society, Woodstock, VE, 2001 and at the New England Conference on Perinatal Research, Chatham, MA, 2001. Accepted for poster session presentation, Society for Pediatric Research, Baltimore, MD, 2001. *Ped. Res.* 2001; 49: 57A.
5. Sanchez-Esteban J, Wang Y, Rubin LP. Role of MAPK Pathways and Cytoskeleton on Stretch-Induced Type II Cells Differentiation. Accepted at the 9th Annual

Research Celebration Poster Presentation, 2001, Providence, RI. Accepted for platform presentation. Society for Pediatric Research, Baltimore, MD. May 2002. *Ped. Res.* 2002; 51: 54A.

6. Sanchez-Esteban J. Mechanical stretch activates heterotrimeric-G proteins in fetal rat lung type II cells. Accepted for platform and poster presentations. FASEB Meeting, San Diego, CA. April 2003. *FASEB J.* 2006; 20:LB41.
7. Sanchez-Esteban J, Wang Y, Rubin LP. Mechanical stretch induces fetal type II cell differentiation via an insulin-like growth factor I receptor (IGF-IR)-ERK pathway. Accepted for platform presentation. Society for Pediatric Research, Seattle, WA. May 2003. *Ped. Res.* 2003; 53(4): 52A.
8. Sanchez-Esteban J, Wang Y, Rubin LP, Filardo EJ. Stretch-inducible fetal lung epithelial cell differentiation: Role of laminin-integrin receptors. Accepted for platform presentation. Society for Pediatric Research, San Francisco, CA. May 2003. *Ped. Res.* 2004; 55(4): 46A.
9. Lee N, Silbert O, Wang Y, Sanchez-Esteban J. Stretch-induced fetal lung differentiation is mediated via β_2 adrenergic receptor-cAMP signaling pathway. Accepted for poster presentation Society for Pediatric Research, Washington DC, CA. May 2005.
10. Silbert O, Wang Y, Maciejewski BS, Shaw SK, Sanchez-Esteban J Mechanical strain activates Rho and induces stress fiber formation in fetal lung type II epithelial cells. Accepted for platform presentation. Eastern Society for Pediatric Research and New England Perinatal Society. Accepted for poster presentation. Society for Pediatric Research. 2006.
11. Maciejewski BS, Wang Y, McCoy A, Sanchez-Esteban J. Role of caveolin-1 in mechanotransduction of fetal type II epithelial cells. Accepted for platform presentation, Society for Pediatric Research, Toronto, Canada, 2007. (Amanda McCoy received Travel Award from the SPR)
12. Wang Y, Maciejewski BS, Sanchez-Esteban J. Effects of EGFR ligands on fetal type II epithelial cell differentiation. Accepted for poster presentation, Society for Pediatric Research, Toronto, Canada, 2007.
13. Lee H-S, Wang Y, Maciejewski BS, Fulton C, Sanchez-Esteban J. Response of lung fetal type II epithelial cells to injury induced by mechanical distention. Accepted for poster symposium, Society for Pediatric Research, Toronto, Canada, 2007.
14. Wang Y, Maciejewski BS, Sanchez-Esteban J. Mechanical stretch releases EGFR ligands in cultured fetal type II epithelial cells. Accepted for poster presentation at the Rhode Island Research Alliance Symposium, Providence, RI, 2008. Accepted for platform presentation, Society for Pediatric Research, Honolulu, Hawaii, 2008.

INVITED PRESENTATIONS

1. "Cholesterol ester storage disease". Hospital Materno-Infantil Valle de Hebron, Barcelona 1986.
2. "Treatment of bronchopulmonary dysplasia". Hospital Materno-Infantil Valle de Hebron, Barcelona 1987.
3. "CESD: Presentation of three cases". Annual Meeting Spanish Society of Pediatrics, 1987.
4. "Partial deficit of COX in infants. Clinical evolution". Neuropediatric annual meeting 1988.
5. "Differential diagnosis and treatment of neonatal respiratory distress". Course of continued training in Pediatrics, Clinica Quiron, Barcelona 1992.
6. Problem round: Thymic cysts. Metropolitan Hospital, NY. March 1995.
7. Problem round: Hepatitis B infection and renal disease. Metropolitan Hospital, NY. June 1995.
8. Problem round: Intussusception. Metropolitan Hospital, NY. March 1996.
9. "Congenital diaphragmatic hernia". Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. May 1997.
10. "Perinatal Hypoxia Ischemia". Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. June 1997.
11. "Cystic Adenomatoid Malformation". Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. May 1998.
12. "Mechanical Forces in Lung Development". Pulmonary Research Conference Brown University, Rhode Island. January 1999.
13. "Congenital Adrenal Hyperplasia". Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. April 1999.
14. "The Effect of Stretch on Lung Development". Pediatric Research colloquium. Women and Infant's Hospital. Rhode Island. May 1999.
15. "The new BPD". Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. January 2000.
16. "Respiratory Distress in Newborns: Differential Diagnosis". Pawtucket Rounds. Pawtucket Memorial Hospital. Rhode Island. May 2000.

17. "Sepsis in Neonates". Pawtucket Rounds. Pawtucket Memorial Hospital. Rhode Island. May 2000.
18. "Neonatal Hypoglycemia". Pawtucket Rounds. Pawtucket Memorial Hospital. Rhode Island. August 2000.
19. "Meconium Aspiration Syndrome". Physiologic lectures. Women & Infants' Hospital. Rhode Island. November 2000.
20. "An update on surfactant therapy". Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. December 2000.
21. "A clinical case discussion". Pawtucket Rounds. Pawtucket Memorial Hospital. Rhode Island. February 2001.
22. "Cyanosis in newborns: differential diagnosis". Pawtucket Rounds. Pawtucket Memorial Hospital. Rhode Island. February 2001.
23. "Neonatal Thrombosis". Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. June 2001.
24. "Neonatal hyperbilirubinemia". Pawtucket Rounds. Pawtucket Memorial Hospital. Rhode Island. July 2001.
25. "Mechanotransduction in stretch-induced fetal type II cell differentiation" Pulmonary Research Conference. Brown University. September 2001.
26. "Can we improve the nutrition of our ELBW infants? Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. October 2001.
27. "A fetus with ascitis and pleural effusions" Multidisciplinary Antenatal Diagnosis and Management Conference, Women and Infants' Hospital, Rhode Island. December 2001.
28. "Fetal Lung Development". Physiologic lectures. Women & Infants' Hospital. Rhode Island. February 2002.
29. "Importance of proteins in ELBW infants nutrition" Core curriculum series to pediatric residents. Hasbro Children's Hospital. Rhode Island. February 2002.
30. "Neurobehavioral deficits in preemies with normal head ultrasounds". Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. May 2002.
31. "Neonatal Sepsis". Pawtucket Rounds. Pawtucket Memorial Hospital. Rhode Island. July 2002.

32. "Early Nasal CPAP in VLBW Infants". Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. August 2002.
33. "Early Nasal CPAP to prevent BPD in VLBW Infants". Core curriculum series to pediatric residents. Hasbro Children's Hospital. Rhode Island. December 2002.
34. "Neonatal Coxsackie B virus infection" Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. April 2003.
35. "The "new" BPD" Core curriculum series to pediatric residents. Hasbro Children's Hospital. Rhode Island. 2003, 2005 and 2006.
36. "Regulation of Fetal Type II Differentiation by Mechanical Stretch". Pediatric Research colloquium. Women and Infant's Hospital. Rhode Island. December 2003.
37. "Perinatal pulmonary development". Physiologic lectures. Women & Infants' Hospital. Rhode Island. February 2004.
38. "Regulation of Fetal Type II Differentiation by Mechanical Stretch". The Fourth Frank G. DeLuca Distinguished Lectureship in Pediatric Surgical Sciences. Rhode Island Hospital. March 2004.
39. "Mechanical Forces in Fetal Lung Development". Rhode Island Society for Respiratory Care. 20th Annual Convention. Newport, RI. March 2004.
40. "Mechanoreceptors in fetal lung development" Pulmonary Research Conference. Brown University. March 2005.
41. "Respiratory management of the newborn: My visit to Columbia University" Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. June 2005.
42. "Role of cAMP-PKA signaling pathway in mechanotransduction of fetal type II epithelial cells". Pediatric Research colloquium. Women and Infant's Hospital. Rhode Island. February 2006.
43. "A 21-week fetus with very severe diaphragmatic hernia" Multidisciplinary Antenatal Diagnosis and Management Conference, Women and Infants' Hospital, Rhode Island. March 2006.
44. "Are we treating premature babies with Patent Ductus Arteriosus (PDA) appropriately? Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. June 2006.
45. "Mechanotransduction in fetal type II epithelial cell differentiation". The Saban Research Institute. Los Angeles, CA. October 2006.

46. "Synchronized Nasal Intermittent Positive Pressure Ventilation (SNIPPV)". Physiologic lectures to neonatal fellows. Women & Infants' Hospital. Rhode Island. November 2006.
47. "Neonatal Respiratory Distress" Core curriculum series to pediatric residents. Hasbro Children's Hospital. Rhode Island. February 2007.
48. "Outcomes of Congenital Diaphragmatic Hernia Management; a Review of the CDH Management Protocol". Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. March 2007.
49. "Lung morphogenesis". Physiologic lectures to neonatal fellows. Women & Infants' Hospital. Rhode Island. June 2007.
50. "Meconium Obstruction in Extremely Low Birth Weight Neonates: A Forgotten Disease?". Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. July 2007.
51. "Mechanical stretch releases EGFR ligands in cultured fetal type II epithelial cells". Pediatric Research colloquium. Women and Infants' Hospital. Rhode Island. February 2008.
52. "Mechanotransduction and Lung Development: Mechanisms and Models". Rhode Island Research Alliance Symposium, Providence, RI. June 2008.
53. "Management of bronchopulmonary dysplasia during the neonatal period and beyond". Perinatal Management Conference, Women and Infants' Hospital, Rhode Island. October 2008.
54. "Neonatal Jaundice". Pediatric Grand Rounds, Memorial Hospital, Pawtucket, RI. January 2009.
55. "Nasal Intermittent Positive Pressure Ventilation (NIPPV)". Physiologic lectures to neonatal fellows. Women & Infants' Hospital. Rhode Island. March 2009.
56. "Mechanotransduction in Fetal Lung Development: Mechanisms and Models". The Frank G. DeLuca Distinguished Lecturer in Pediatric Surgical Sciences. Rhode Island Hospital. June 2009.
57. "Premie medical management" Core curriculum series to pediatric residents. Hasbro Children's Hospital. Rhode Island. September 2009.
58. "Role of EGFR ligands in stretch-induced differentiation of fetal type II epithelial cells". Floating Hospital for Children, Tufts University, Boston, MA. October 2009.

GRANTS

1. Spanish training research grant Project period: 1984-1988
2. Mechanotransduction and Lung Alveolar Differentiation
Principal Investigator: Juan Sanchez-Esteban, M.D.
The Rhode Island Foundation Project period: 01/03 to 12/03
\$7,000
3. Mechanotransduction and Lung Alveolar Differentiation
Principal Investigator: Juan Sanchez-Esteban, M.D.
Brown Medical School Project period: 03/03 to 02/04
\$14,750
4. Mechanotransduction and Lung Alveolar Differentiation
Principal Investigator Project III: Juan Sanchez-Esteban, M.D.
NIH Project period: 10/03 – 06/08
(1 P20 RR018728-01 COBRE in Perinatal Biology)
\$745,990
5. Mechanotransduction and Lung Alveolar Differentiation
Principal Investigator: Juan Sanchez-Esteban, M.D.
Parker B. Francis Fellowship Program Project period: 07/04 - 06/07
\$126,000
6. Mechanotransduction and Lung Alveolar Differentiation
Principal Investigator: Juan Sanchez-Esteban, M.D.
NIH (1 R01 HD052670) Project period: 05/08 – 04/13
\$1,466,870.
7. Strain-induced release of EGFR ligands during fetal lung development
Principal Investigator: Juan Sanchez-Esteban, M.D.
American Lung Association Project period: 07/08 - 06/11
Career Investigator Award
\$180,000 (declined for scientific overlap with NIH R01 grant)
8. Role of interleukin 10 (IL-10) in mechanical stretch-induced lung injury
Principal Investigator: Juan Sanchez-Esteban, M.D.
Dept of Pediatrics Project period: 10/08 - 10/09
Hasbro Children's Hospital, RI.
\$15,000

TEACHING GRANTS

NIH Training Grant for Perinatal Biology
Role: Mentor (PI: J.F. Padbury)

Term: 2004-05

NIH Short-Term Training Program to Increase Diversity in Health-Related Research
(5R25HL088992-02)

Role: Faculty Mentor (PI: S. Rounds, M.D.)

Term: 2004-12

NIH Brown CardioPulmonary Research Training Program (1T32HL094300-01)

Role: Mentor (PI: G. Koren, M.D.)

Term: 2008-13

UNIVERSITY TEACHING ROLES

2000	Preceptor in Physical Diagnosis-Neonatology Section (6 students)
2000	Lecture Series-Newborn Issues entitled: "Respiratory Distress of the Newborn: differential diagnosis in the context of lung development" (12 students)
2001	Preceptor in Physical Diagnosis-Neonatology Section (3 students)
2001	Lecture Series-Newborn Issues entitled: "Neonatal Respiratory Distress" (12 students)
2002	Lecture Series-Newborn Issues entitled: "Neonatal Hyperbilirubinemia" (12 students)
2002	Preceptor in Physical Diagnosis-Neonatology Section (2 students)
2003	Facilitator problem-based learning sessions, Biochemical course directed by Dr.Grappuso (10 students per group) Lecture Series-Newborn Issues entitled: "Neonatal Hyperbilirubinemia" (12 students).
2004	Facilitator problem-based learning sessions, Biochemical course directed by Dr.Grappuso (10 students per group)
2004	Lecture Series-Newborn Issues entitled: "Neonatal Hyperbilirubinemia" (12 students)
2005	Facilitator problem-based learning sessions, Biochemical course directed by Dr.Grappuso (10 students per group)
2006	Preceptor in Physical Diagnosis-Neonatology Section (3 students)

2007 Lecture Series-Newborn Issues entitled: "Neonatal Respiratory Distress"
(12 students)

2005-present Medicine in Action Program (Brown Medical School)

LABORATORY TRAINEES

2002-03 Gaia Weissmann, M.D. (University of Bologna, Italy)

2004 Nicole Lee, undergraduate Xavier University of Louisiana

2004-07 Ophira Silbert, M.D. (Neonatology Fellow)

2005 Samuel Haile, undergraduate Jackson State University

2006 Kenny H. Esho, undergraduate North Carolina Agricultural and
Technical State University

2006 Amanda McCoy, medical student West Virginia University
received Travel Award from the SPR-May 2007

2006 Hyeon-Soo Lee, M.D., Ph.D. Visiting Professor, Kangwon National
University College of Medicine, Chuncheon, South Korea

2007 Dariana Soto-Reyes, undergraduate University of Puerto Rico

2008 Melissa Santos, undergraduate University of Maryland. Her oral
presentation at the Annual Biomedical Research Conference for
Minority Students, November 2008, Orlando, FL was awarded by
the American Society of Microbiology.

2008-11 Michael A. Hokenson, M.D. (Neonatology Fellow)

HOSPITAL TEACHING ROLES

1988-1989 Seminars to house officers and students. Hospital Materno Infantil
Valle de Hebron. Barcelona, Spain.

1991-1994 Seminars to nurses on common problems in Neonatology.

1996-present Bedside teaching and seminars to fellows, house officers, medical
students and neonatal nurse practitioners.