

**MONIQUE E. DE PAEPE, M.D., M.Sc.**  
**CURRICULUM VITAE**

Business Address: Women and Infants' Hospital  
Department of Pathology  
101 Dudley Street  
Providence, RI 02905-2499

**EDUCATION**

**UNDERGRADUATE EDUCATION**

1976-79 Rijksuniversitair Centrum Antwerp (Belgium)  
Diploma Candidate in the Medical Sciences (Bachelor in Medical Sciences)  
July 1979  
Cum Laude

**MEDICAL SCHOOL**

1979-83 Universitaire Instelling Antwerp (Belgium)  
Diploma Doctor in Medicine, Surgery and Obstetrics (M.D.)  
July 1983  
Cum Laude

**OTHER ADVANCED DEGREES**

1982-83 Royal Institute of Tropical Medicine, Antwerp (Belgium)  
Degree in Tropical Medicine  
February 1983  
Cum Laude

1992-94 Faculty of Medicine, Free University of Brussels, Belgium  
Master Degree in Medical and Pharmaceutical Research (M.Sc.)  
July 1994  
Cum Laude

**POST-GRADUATE TRAINING**

**RESIDENCY**

1984-85 Internship in General Surgery  
Lutheran Medical Center, Brooklyn, New York

1985-88 Residency in Anatomic Pathology  
St. Vincent's Hospital and Medical Center, New York (1985-87)  
Montefiore Medical Center, Bronx, New York (1987-88)

## FELLOWSHIPS

- 1988-89 Fellowship in Surgical Pathology of Neoplastic Diseases  
Memorial Sloan-Kettering Cancer Center, New York, NY
- 1989-91 Research Fellowship in Immunopathology and Molecular Pathology  
Mc Gill University - Montreal Children's Hospital Research Center,  
Montreal, Canada
- 2000-01 Don B. Singer Fellowship in Perinatal/Pediatric Pathology  
Women and Infants' Hospital and Rhode Island Hospital, Brown Medical School,  
Providence, RI

## POST-GRADUATE HONORS AND AWARDS

- 07/1987 First Prize, Annual Scientific Seminar of the Alumni Association,  
St. Vincent's Hospital and Medical Center, New York.  
"Testis in Acquired Immune Deficiency Syndrome".
- 1990-91 Mc Gill University-Montreal Children's Hospital Research Foundation  
Research Fellowship Award
- 1989-91 N.A.T.O. Research Fellowship Award
- 1989-91 Diabetic Children's Foundation Research Fellowship Award
- 04/1994 Poster Prize (Experimental Pathology)  
Deutsche Gesellschaft für Pathologie, Annual Meeting, Zürich (CH).  
"Intraportal Islet Transplantation".
- 03/1995 Lotte Strauss Prize  
Society for Pediatric Pathology  
"Transgenic Mouse Model of Sickle Cell Disease".
- 03/2000 Junior Investigator Award  
Society for Pediatric Pathology  
"Fas/Fas-Ligand and Fetal Lung Development".
- 06/2004 Dean's Teaching Excellence Award  
Brown Medical School

## **ACADEMIC APPOINTMENTS**

- 2006- Program Director  
Don B. Singer Fellowship Program in Perinatal/Pediatric Pathology  
Women and Infants' and Rhode Island Hospital, Brown Medical School,  
Providence, RI
- 2004-06 Associate Program Director  
Don B. Singer Fellowship Program in Perinatal/Pediatric Pathology  
Women and Infants' and Rhode Island Hospital, Brown Medical School,  
Providence, RI
- 2000-present Assistant Professor of Pathology and Laboratory Medicine  
Brown Medical School  
Providence, RI
- 1997-2000 Clinical Assistant Professor of Pathology and Laboratory Medicine  
Brown Medical School  
Providence, RI
- 1992-1994 Assistant Professor of Pathology (Research)  
Free University of Brussels  
Brussels, Belgium

## **HOSPITAL APPOINTMENTS**

- 2000-present Staff Pathologist  
Department of Pathology  
Women and Infants' Hospital  
Providence, RI
- 2000-present Consulting Pathologist  
Department of Pathology  
Rhode Island Hospital  
Providence, RI
- 1995-2000 Associate Pathologist  
Department of Pathology  
Rhode Island Hospital  
Providence, RI

## **OTHER APPOINTMENTS**

- 2000-present Director, Research Laboratory for Developmental Pathology  
Kilguss Research Institute, Providence, RI
- 2006-present Editorial Board of *Pediatric and Developmental Pathology*, member

- 1992-present *Ad-hoc* Reviewer for:  
American Journal of Obstetrics and Gynecology  
American Journal of Physiology (Lung)  
Apoptosis  
BioTechniques  
Diabetologia  
Experimental Lung Research  
Journal of Perinatology  
Lung  
Pediatric and Developmental Pathology  
Pediatric Nephrology  
Pediatric Research  
Perspectives in Pediatric Pathology  
Placenta  
Virchows Archiv
- 1992-94 Investigative Pathologist  
Department of Experimental Pathology and Diabetes Research Center  
Faculty of Medicine  
Free University of Brussels, Belgium
- 1991-92 Investigative Pathologist  
Laboratory of Molecular Genetics and Development  
Institut de Recherches Cliniques de Montréal, Montréal, Canada

### **HOSPITAL COMMITTEES**

- 2006-present Graduate Medical Education Committee, Women and Infants' Hospital, member
- 2002-present Governance Committee, Kilguss Research Institute
- 2000-present Scientific Jury, Annual Hospital Research Celebration, Lifespan and Care New England, Brown Medical School
- 1999-present Planning Committee, Annual Hospital Research Celebration, Lifespan and Care New England, Brown Medical School
- 1999-01 Ad Hoc Committee for Development of Sentinel Lymph Node Protocol for Breast Carcinoma, Rhode Island Hospital, Brown Medical School

### **UNIVERSITY AND EXTRAMURAL COMMITTEES**

- 1998-99 Organizing Committee  
Society for Pediatric Pathology, Interim Meeting  
September 1999, Providence RI

Monique E. De Paepe, M.D., M.Sc.  
Curriculum Vitae

- 2002 Search Committee, Pediatric Pathologist  
Lifespan Academic Medical Center and Hasbro Children's Hospital  
Brown Medical School
- 2004 Search Committee, Perinatal/Pediatric Pathologist  
Women and Infants Hospital  
Brown Medical School
- 2004 Search Committee, Associate Director of the Molecular Biology and Histology Core  
for the COBRE in Perinatal Biology  
Women and Infants Hospital  
Brown Medical School
- 2004 SPP Education/Science Committee; Ad Hoc Subcommittee for Organization of  
Annual Meeting  
Society for Pediatric Pathology
- 2004-06 SPP Education Committee; Workshop/Symposium Subcommittee  
Society for Pediatric Pathology
- 2006-07 SPP Education Committee; Workshop/Symposium Subcommittee  
Society for Pediatric Pathology  
Chair
- 2006 PAS/SPR Annual Meeting  
Abstract Review Committee, Ad Hoc Member  
Pediatric Academic Societies/Society for Pediatric Research
- 2006 ESPR Annual Meeting  
Moderator, Platform Session on Developmental Biology  
Eastern Society for Pediatric Research
- 2006-07 USCAP 2007 Joint SPP-SCVP Cardiovascular Symposium  
Society for Pediatric Pathology/Society for Cardiovascular Pathology  
Co-Chair
- 2006 SPP Interim Meeting  
Moderator, Platform Session on Perinatal/Pediatric Pathology  
Society for Pediatric Pathology

## MEMBERSHIP IN SOCIETIES

1992-present International Academy of Pathology (United States and Canadian Division)  
1993-95 Société Belge d'Anatomie Pathologique  
1993-present Memorial Sloan-Kettering Cancer Center Alumni Society  
1995-present Rhode Island Society of Pathology  
1996-present International Fetal Medicine and Surgery Society  
2001-present Society for Pediatric Pathology  
2004-present Society for Pediatric Research  
2004-present American Society for Investigative Pathology

## ORIGINAL PUBLICATIONS IN PEER-REVIEWED JOURNALS

1. De Paepe ME, Waxman M: Adenolipoma of the Thyroid Gland. *Mt Sinai J Med* 55: 198-200, 1988.
2. De Paepe ME, Waxman M: Testicular Atrophy in AIDS: A Study of 57 Autopsy Cases. *Hum Pathol* 20: 210-214, 1989.
3. De Paepe ME, Vuletin JC, Lee MH, Rojas-Corona RR, Waxman M: Testicular Atrophy in Homosexual AIDS Patients: An Immune-Mediated Phenomenon? *Hum Pathol* 20: 572-578, 1989.
4. De Paepe ME, Andree R, Mahadevia P: Urethral Involvement in Female Patients with Bladder Cancer. A Study of 22 Cystectomy Specimens. *Cancer* 65: 183-187, 1990.
5. De Paepe ME, Guerrieri C, Waxman M: Opportunistic Infections of the Testis in the Acquired Immunodeficiency Syndrome. *Mt Sinai J Med* 57: 25-29, 1990.
6. Bertrand S, De Paepe ME, Vigeant C, Yale JF: Prevention of Adoptive Transfer in BB Rats by Prophylactic Insulin Treatment. *Diabetes* 41: 1273-1277, 1992.
7. De Paepe ME, Corriveau M, Tannous WN, Seemayer TA, Colle E: Increased Vascular Permeability in Pancreas of Spontaneously Diabetic Rats: Detection with High Resolution Protein A-Gold Cytochemistry. *Diabetologia* 35: 1118-1124, 1992.
8. Luks FI, De Paepe ME, DiLorenzo M, Mercier C, Desjardins JG: Tailgut Remnant - or Teratoma? *Eur J Pediatr Surg* 3: 182-185, 1993.
9. Van Gompel J, Mahler T, De Paepe ME, Klöppel G: Comparison of in Situ Hybridization and Immunocytochemistry for the Detection of Residual Beta Cells in the Pancreas of Streptozotocin-Treated Diabetic Rats. *Acta Diabetol* 30: 118-122, 1993.
10. De Paepe ME, Trudel M: The Transgenic SAD Mouse: A Model of Human Sickle Cell Glomerulopathy. *Kidney Intern* 46: 1337-1345, 1994.
11. Trudel M, De Paepe ME, Chrétien N, Saadane N, Jacmain J, Sorette M, Hoang T, Beuzard Y: Sickle Cell Disease of Transgenic SAD Mice. *Blood* 84: 3189-3197, 1994 (Cover).

12. De Paepe ME, Keymeulen B, Pipeleers DG, Klöppel G: Proliferation and Hypertrophy of Liver Cells Surrounding Islet Grafts in Diabetic Recipient Rats. *Hepatology* 21: 1144-1153, 1995.
13. Keymeulen B, Korbutt G, De Paepe M, Gorus F, Klöppel G, Pipeleers D: Long-Term Metabolic Control by Rat Islet Grafts Depends on the Composition of the Implant. *Diabetes* 45: 1814-1821, 1996.
14. Papadakis K, Luks FI, De Paepe ME, Piasecki G, Wesselhoeft CW Jr: Fetal Lung Growth After Tracheal Ligation is Not Solely a Pressure Phenomenon. *J Pediatr Surg* 32: 347-351, 1997.
15. De Paepe ME, Papadakis K, Johnson BD, Luks FI: Fate of the Type II Pneumocyte Following Tracheal Occlusion in Utero: A Time-Course Study in Fetal Sheep. *Virchows Arch* 432: 7-16, 1998.
16. De Paepe ME, Johnson BD, Papadakis K, Sueishi K, Luks FI: Temporal Pattern of Accelerated Lung Growth After Tracheal Occlusion in the Fetal Rabbit. *Am J Pathol* 152: 179-190, 1998.
17. Papadakis K, De Paepe ME, Tackett LD, Piasecki GI, Luks FI: Temporary Tracheal Occlusion Causes Catch-Up Lung Maturation in a Fetal Model of Diaphragmatic Hernia. *J Pediatr Surg* 33: 1030-1037, 1998.
18. De Paepe ME, Sardesai MP, Johnson BD, Lesieur-Brooks AM, Papadakis K, Luks FI: The Role of Apoptosis in Normal and Accelerated Lung Development in Fetal Rabbits. *J Pediatr Surg* 34: 863-871, 1999.
19. De Paepe ME, Johnson BD, Papadakis K, Luks FI: Lung Growth Response After Tracheal Occlusion in Fetal Rabbits is Gestational Age-Dependent. *Am J Resp Cell Mol Biol* 21: 65-76, 1999.
20. Blouin M-J, De Paepe ME, Trudel M: Altered Hematopoiesis in Murine Sickle Cell Disease. *Blood* 94: 1451-1459, 1999.
21. Blouin M-J, Beauchemin H, Wright A, De Paepe ME, Sorette M, Bleau A-M, Nakamoto B, Ou C-N, Stamatoyannopoulos G, Trudel M: Genetic Correction of Sickle Cell Disease: Insights Using Transgenic Mouse Models. *Nature Med* 6: 177-182, 2000.
22. Wild YK, Piasecki GJ, De Paepe ME, Luks FI: Short-Term Tracheal Occlusion in Fetal Lambs With Diaphragmatic Hernia Improves Lung Function, Even in the Absence of Lung Growth. *J Pediatr Surg* 35: 775-779, 2000.
23. Liao SL, Luks FI, Piasecki GJ, Wild YK, Papadakis K, De Paepe ME: Late Gestation Tracheal Occlusion in the Fetal Lamb Causes Rapid Lung Growth With Type II Cell Preservation. *J Surg Research* 92: 64-70, 2000.
24. Luks FI, Wild YK, Piasecki GJ, De Paepe ME: Short-Term Tracheal Occlusion Corrects Pulmonary Vascular Anomalies in the Fetal Lamb With Diaphragmatic Hernia. *Surgery* 128: 266-272, 2000.

25. De Paepe ME, Rubin LP, Jude C, Lesieur-Brooks AM, Mills DR, Luks FI: Fas-Ligand Expression Coincides With Alveolar Cell Apoptosis in Late-Gestation Fetal Lung Development. *Am J Physiol ( Lung Cell Mol Physiol)* 279: L967-L976, 2000.
26. Luks FI, Roggin KK, Wild YK, Piasecki GJ, Rubin LP, Lesieur-Brooks AM, De Paepe ME: Effect of Lung Fluid Composition on Type II Cellular Activity after Tracheal Occlusion in the Fetal Lamb. *J Pediatr Surg* 36: 196-201, 2001.
27. De Paepe ME, Burke S, Luks FI, Pinar H, Singer DB: Demonstration of Placental Vascular Anatomy in Monochorionic Twin Gestations. *Pediatr Dev Pathol* 5: 37-44, 2002 (Cover).
28. De Paepe ME, Mao Q, Huang C, Zhu D, Jackson CL, Hansen K: Postmortem RNA and Protein Stability in Perinatal Human Lungs. *Diagn Mol Pathol* 11: 170-176, 2002.
29. De Paepe ME, Carr SR, Cassese JA: Postmortem Validation of Imaging-Derived Formulas for Prediction of Fetal Lung Volume. *Fetal Diagn Ther* 18: 353-359, 2003.
30. De Paepe ME, Stopa E, Huang C, Hansen K, Luks FI: Renal Tubular Apoptosis in Twin-to-Twin Transfusion Syndrome. *Pediatr Dev Pathol* 6: 215-225, 2003 (Cover).
31. De Paepe ME, Friedman RM, Poch M, Hansen K, Carr SR, Luks FI: Placental Findings After Laser Ablation of Communicating Vessels in Twin-to-Twin Transfusion Syndrome. *Pediatr Dev Pathol* 7: 159-165, 2004.
32. Rubin LP, Kovacs CS, De Paepe ME, Tsai SW, Torday JS, Kronenberg HM: Arrested Pulmonary Alveolar Cytodifferentiation and Defective Surfactant Synthesis in Mice Missing the Gene for Parathyroid Hormone-Related Protein. *Dev Dyn* 230: 278-289, 2004.
33. De Paepe ME, Friedman RM, Gundogan F, Pinar H, Oyer CE, Hansen K: The Histologic Fetoplacental Inflammatory Response in Fatal Perinatal GBS-Infection. *J Perinatol* 24: 441-445, 2004.
34. Oyer CE, Sung CJ, Friedman R, Hansen K, De Paepe M, Pinar H, Singer DB: Reference Values for Valve Circumferences and Ventricular Wall Thicknesses of Fetal and Neonatal Hearts. *Pediatr Dev Pathol* 7: 499-505, 2004.
35. De Paepe ME, Mao Q, Luks FI: Expression of Apoptosis-Related Genes after Fetal Tracheal Occlusion in Rabbits. *J Pediatr Surg* 39: 1616-1625, 2004.
36. De Paepe ME, Mao Q, Embree-Ku M, Rubin LP, Luks FI: Fas/FasL-Mediated Apoptosis in Perinatal Murine Lungs. *Am J Physiol (Lung Cell Mol Physiol)* 287: L730-L742, 2004.
37. Poch M, Luks FI, Carr SR, De Paepe ME: Intratwin Arteriovenous Fistula of the Placenta in a Case of Twin-to-Twin Transfusion Syndrome. *Am J Perinatol* 22: 3-6, 2005.
38. De Paepe ME, DeKoninck P, Friedman RM: Vascular Distribution Patterns in Monochorionic Twin Placentas. *Placenta* 26: 471-475, 2005.

39. Luks FI, Carr SF, De Paepe ME, Tracy TF: What – and Why – The Pediatric Surgeon Should Know About Twin-to-Twin Transfusion Syndrome. *J Pediatr Surg* 40: 1063-1069, 2005.
40. Lambert-Messerlian G, Pinar H, Rubin LP, De Paepe ME, Tantravahi U, Steinhoff MM, Russell M, Canick JA: Second Trimester Maternal Serum Markers in Twin Pregnancy with Complete Mole: Report of Two Cases. *Pediatr Dev Pathol* 8: 1-5, 2005.
41. De Paepe ME, Friedman RM, Gundogan F, Pinar H: Postmortem Lung Weight/Body Weight Standards for Term and Preterm Infants. *Pediatr Pulmonol* 40: 445-448, 2005.
42. De Paepe ME, Mao Q, Chao Y, Powell JL, Rubin LP, Sharma S: Hyperoxia-Induced Apoptosis and Fas/FasL Expression in Lung Epithelial Cells. *Am J Physiol (Lung Cell Mol Physiol)* 289: L647-L659, 2005.
43. De Paepe ME, Mao Q, Powell J, Rubin SE, DeKoninck P, Appel N, Dixon M, Gundogan F: Growth of the Pulmonary Microvasculature in Ventilated Preterm Infants. *Am J Respir Crit Care Med* 173: 204-211, 2006.

#### **OTHER PEER-REVIEWED PUBLICATIONS**

1. Luks FI, De Paepe ME. Molecular Mechanisms in the Pathogenesis of Congenital Diaphragmatic Hernia and Rationale for In Utero Treatment. *New Surgery* 1: 158-162, 2001 (Review).

#### **BOOKS AND BOOK CHAPTERS**

1. De Paepe ME, Sorette M, Chrétien N, Saadane N, Jacmain J, Beuzard Y, Trudel M: The SAD Phenotype: Sickle Cell Disease Reproduced in Transgenic Mice. In: *Sickle Cell Disease and Thalassaemias: New Trends in Therapy*. Beuzard Y, Lubin B, Rosa J (eds.). John Libbey Eurotext Ltd., Paris (F), 1995, 234, pp. 263-269.
2. De Paepe ME. Lung Growth and Development. In: *Thurlbeck's Pathology of the Lung*, 3<sup>rd</sup> edition. Churg A, Myers J, Tazelaar H, Wright J (eds.). Thieme Medical Publications, New York, NY, 2005. pp. 39-84.

#### **OTHER NON-PEER-REVIEWED PUBLICATIONS**

1. De Paepe ME, Colle E: Early Insulinitis and the Islet Vascular System (Author's Reply). *Diabetologia* 36: 682-683, 1993.
2. De Paepe MEPJM: Beta Cell Growth After Intraportal Islet Transplantation: A Morphometric Investigation. Master Thesis Presented at the Master Program in Medical and Pharmaceutical Research, Free University of Brussels, Belgium, July 1994.

## **PUBLICATIONS SUBMITTED OR IN PREPARATION**

De Paepe ME, Luks FI, Hansen K. Stereologic Volumetric Assessment of Perinatal Lung Growth.

De Paepe ME, Poch MA, Friedman RM, Carr SF, Luks FI: Morphometric Analysis of Placental Anastomoses in Monochorionic Twin Gestations: Correlation with the Development of Twin-Twin Transfusion Syndrome.

De Paepe ME, Patel C, Tsai A, Gundavarapu S, Mao Q: Endoglin (CD105) Upregulation in Pulmonary Microvasculature of Ventilated Preterm Infants. Submitted to *Pediatr Res* 4/26/06.

Rana S, Venkatesha S, De Paepe M, Karumanchi A: Cytomegalovirus-Induced Mirror Syndrome Associated With Elevated Levels of sFlt-1 and Endoglin (CD105).

## **ABSTRACTS**

1. De Paepe ME: The Testis in AIDS. Annual Scientific Seminar of the Alumni Association, St. Vincent's Hospital and Medical Center, June 1987, New York (NY).
2. Guerrieri C, De Paepe ME, Moussouris HF: Cerebrospinal Fluid Cytology in AIDS. 35th Annual Scientific Meeting of the A.C.P., November 1987, San Francisco (CA). *Acta Cytol* 31: 663, 1987.
3. De Paepe ME, Lee MH: Autoimmune Orchitis: Cause of Testicular Atrophy in AIDS? A.S.C.P. Fall Meeting, 1987, New Orleans (LA).
4. De Paepe ME, Mahadevia P: The Female Urethra in Association with Bladder Cancer. International Academy of Pathology Spring Meeting, 1989, San Francisco (CA).
5. De Paepe ME, Dorfman HD: Chondroblastoma, Precursor of Clear Cell Chondrosarcoma? International Academy of Pathology Spring Meeting, 1989, San Francisco (CA).
6. Trudel M, De Paepe ME, Jacmain J, Chrétien N, Costantini F, Beuzard Y: Genetic and Pathological Studies in SAD Transgenic Sickle Cell Mouse Model. Gordon Research Conference (Red Blood Cells), August 1991, Plymouth (NH).
7. Luks FI, De Paepe ME, DiLorenzo M, Mercier C, Desjardins JG: Vestige de l'Intestin Post-Anal - ou Tératome? Société Française de Chirurgie Pédiatrique, September 1991, Paris (F).
8. Trudel M, De Paepe ME, Jacmain J, Chrétien N, Beuzard Y: Pathology of Sickle Cell Disease in SAD Transgenic Mouse Model. American Society of Hematology, 33rd Annual Meeting, December 1991, Denver (CO). *Blood* 78 (Suppl.): 203A, 1991.
9. Trudel M, De Paepe ME, Chrétien N, Beuzard Y: Hypoxia-Induced Vasoocclusive Crisis in the Transgenic SAD-1 Mouse Model of Sickle Cell Disease. Keystone Symposia on Molecular and Cellular Biology (Hematopoiesis), February 1992, Tamarron (CO).

10. De Paepe ME, Chrétien N, Jacmain J, Beuzard Y, Trudel M: The SAD-1 Transgenic Mouse: A Model of Human Sickle Cell Disease. United States and Canadian Academy of Pathology, Annual Meeting, March 1992, Atlanta (GA).  
Lab Invest 66 (Suppl.): 76A, 1992.
11. Trudel M, De Paepe ME, Chrétien N, Beuzard Y: The Sickle Cell Disease of Transgenic SAD Mice. 8th Conference on Hemoglobin Switching, May 1992, Orcas Island (WA).
12. De Paepe ME, Beuzard Y, Trudel M: The Transgenic SAD Mouse: A Model of Human Sickle Cell Disease. Belgian Association of Anatomic Pathology, Annual Meeting, January 1993, Leuven (B).
13. De Paepe ME, Keymeulen B, Billooye K, Nuyts A, Pipeleers D, Klöppel G: Liver growth After Intraportal Islet Transplantation: A Morphometric and Ultrastructural Investigation. Belgian Association of Anatomic Pathology, Annual Meeting, January 1994, Brussels (B).
14. Trudel M, De Paepe ME, Chrétien N, Jacmain J, Hoang T, Saadane N, Beuzard Y, Sorette M: The Transgenic SAD Mouse: Model of Human Sickle Cell Disease. 19th Annual National Sickle Cell Meeting, March 1994, New York (NY).
15. De Paepe ME, Keymeulen B, Pipeleers D, Klöppel G: Liver Cell Response to Intraportal Transplantation of Pancreatic Islets. Deutsche Gesellschaft für Pathologie, Annual Meeting, April 1994, Zürich (CH).  
Pathol Res Pract 190:236, 1994.
16. De Paepe ME, Sorette M, Chrétien N, Saadane N, Jacmain J, Beuzard Y, Trudel M: Transgenic SAD Mouse: A Model of Sickle Cell Disease. Ninth Conference on Hemoglobin Switching, June 1994, Orcas Island (WA).
17. Trudel M, De Paepe ME, Chrétien N, Sorette M: A Model of Sickle Cell Disease in Transgenic Mice. Canadian Federation of Biological Societies, June 1994, Montréal (PQ).
18. De Paepe ME, Sorette M, Chrétien N, Saadane N, Jacmain J, Beuzard Y, Trudel M: Transgenic SAD Mouse: A Model of Sickle Cell Disease. Mouse Molecular Genetics, August 1994, Cold Spring Harbor (NY).
19. Trudel M, De Paepe ME, Sorette M, Chrétien N, Saadane N, Jacmain J, Beuzard Y: Transgenic SAD Mouse: A Model of Sickle Cell Disease. New Trends in Therapy for Hemoglobinopathies and Thalassemias, Sept. 1994, Paris (F).
20. De Paepe ME. The Sickle Cell Disease of Transgenic SAD Mice. Society for Pediatric Pathology, Annual Meeting, March 1995, Toronto (CDN).
21. De Paepe ME, Chrétien N, Beuzard Y, Trudel M: In Vivo Study of Erythropoiesis and Hemoglobin Polymerization in the SAD Mouse, Transgenic Model of Human Sickle Cell Disease. 20th Annual National Sickle Cell Meeting, March 1995, Boston (MA).
22. De Paepe ME, Sorette M, Chrétien N, Jacmain J, Saadane N, Beuzard Y, Trudel M: Les Souris Transgéniques SAD Présentent un Phénotype Drépanocytaire in Vivo. Intern. Symposium on

- Current Trends and Future Prospects in Genetic Diseases of Red Blood Cells, June 1995, Tunis (TUN).
23. Papadakis K, Luks FI, De Paepe ME, Piasecki G, Wesselhoeft CW Jr: Fetal Lung Growth After Tracheal Ligation is not Solely a Pressure Phenomenon. 27th Annual Meeting of the American Pediatric Surgical Association, May 1996, San Diego (CA).
  24. De Paepe ME, Papadakis K, Luks FI: Stereologic Morphometry of Fetal Sheep Lungs Following Tracheal Ligation: The Type II Pneumocyte. Annual Meeting of the International Fetal Medicine and Surgery Society, May 1996, Capri (I).
  25. Papadakis K, De Paepe ME, Luks FI: Stereologic Morphometry of Fetal Lungs After Tracheal Ligation: The Type II Pneumocyte. Pediatric Surgery Residents Conference, November 1996, Philadelphia (PA).
  26. Blouin MJ, De Paepe ME, Trudel M: Anomalies of Erythroid Precursor Cells in SAD Transgenic Mouse Model of Sickle Cell Disease. 38th Annual Meeting of the American Society of Hematology, December 1996, Orlando (FL).
  27. De Paepe ME, Papadakis K, Luks FI: Fetal Tracheal Ligation: Fate of The Type II Pneumocyte. United States and Canadian Academy of Pathology Annual Meeting, March 1997, Orlando (FL). *Lab Invest* 1997, 76: 162A.
  28. Tackett LD, Papadakis K, De Paepe ME, Wojcik LJ, Luks FI, Caldamone AA: A Model of Isolated Bladder Exstrophy in the Fetal Lamb. International Symposium on Exstrophy and Epispadias, April 1997, Baltimore (MD).
  29. Johnson B, Luks FI, De Paepe ME, Hoppin F Jr: A Time Course Assay of the Pathophysiology and Gene Expression of Tracheal Ligation-Associated Fetal Lung Hyperplasia. Brown University Bio-Medical Research Day, April 1997, Providence (RI).
  30. De Paepe ME, Papadakis K, Johnson BD, Luks FI: Time-Course Study of Accelerated Lung Growth in a Fetal Rabbit Model. Annual Meeting of the International Fetal Medicine and Surgery Society, June 1997, Anchorage (AK).
  31. Papadakis K, De Paepe ME, Tackett LD, Piasecki GJ, Luks FI: "Catch-Up" Lung Maturation in an Early Fetal Model of Diaphragmatic Hernia by Temporary Tracheal Occlusion. Annual Meeting of the International Fetal Medicine and Surgery Society, June 1997, Anchorage (AK).
  32. Tackett LD, Papadakis K, De Paepe ME, Wojcik LJ, Luks FI, Caldamone AA: A Model of Isolated Bladder Exstrophy in the Fetal Lamb. Annual Meeting of the International Fetal Medicine and Surgery Society, June 1997, Anchorage (AK).
  33. De Paepe ME, Johnson BD, Papadakis K, Luks FI: Temporal Pattern of Accelerated Lung Growth After Tracheal Occlusion in the Fetal Rabbit. New England Perinatal Research Meeting, Oct. 1997, Chatham (MA).

34. Papadakis K, De Paepe ME, Luks FI: Temporary Tracheal Occlusion Causes Catch-Up Lung Maturation in a Fetal Model Of Diaphragmatic Hernia. American Association of Pediatrics, Nov. 1997, New Orleans (LA).
35. Johnson BD, Papadakis K, Luks FI, De Paepe ME: Fetal Tracheal Ligation: Fate of the Type II Pneumocyte. Annual Hospital Research Celebration, Lifespan/Brown University, Nov. 1997, Providence (RI).
36. De Paepe ME, Johnson BD, Papadakis K, Luks FI: Temporal Pattern of Accelerated Lung Growth After Tracheal Occlusion in the Fetal Rabbit. Annual Hospital Research Celebration, Lifespan/Brown University, Nov. 1997, Providence (RI).
37. Papadakis K, De Paepe ME, Luks FI: Temporary Tracheal Occlusion Causes Catch-Up Lung Maturation in a Fetal Model Of Diaphragmatic Hernia. Annual Hospital Research Celebration, Lifespan/Brown University, Nov. 1997, Providence (RI).
38. Sardesai MP, Johnson BD, Papadakis K, Luks FI, De Paepe ME: Role of Apoptosis During Normal and Experimentally Accelerated Fetal Lung Development. Annual Hospital Research Celebration, Lifespan/Brown University, Nov. 1997, Providence (RI).
39. De Paepe ME, Papadakis K, Wesselhoeft CW Jr, Luks FI: Lung Growth Response to Tracheal Obstruction in Fetal Rabbits is Gestational Age-Dependent. 28th Annual Meeting of the American Pediatric Surgical Association, May 1998, Hilton Head (SC).
40. Sardesai MP, Papadakis K, Johnson BD, Luks FI, De Paepe ME: Role of Apoptosis During Normal and Experimentally Accelerated Fetal Lung Development. Brown University Bio-Medical Research Day, May 1998, Providence (RI).
41. De Paepe ME, Sardesai MP, Johnson BD, Papadakis K, Luks FI: Apoptosis in Normal and Accelerated Lung Development in Fetal Rabbits. Annual Meeting of the American Academy of Pediatrics (Surgical Section), Oct. 1998, San Francisco (CA). Pediatrics 1998, 102:811A (suppl.).
42. Wild YK, Papadakis K, De Paepe ME, Lesieur-Brooks AM, Piasecki G, Rubin L, Jackson C, Luks FI: Type II Pneumocyte Depletion After Tracheal Ligation is Pressure-Mediated and Independent of Lung Growth. Annual Hospital Research Celebration, Lifespan/Brown University, Nov. 1998, Providence (RI).
43. Liao S, De Paepe ME, Piasecki G, Papadakis K, Luks FI: Early Gestation Tracheal Occlusion in Fetal Lambs Causes Slower Lung Growth Than Late Occlusion. Annual Hospital Research Celebration, Lifespan/Brown University, Nov. 1998, Providence (RI).
44. De Paepe ME, Sardesai MP, Lesieur-Brooks AM, Wild YK, Luks FI: Induction of Fetal Type II Pneumocyte Apoptosis by Intrauterine Tracheal Occlusion. Annual Hospital Research Celebration, Lifespan/Brown University, Nov. 1998, Providence (RI).
45. De Paepe ME, Sardesai MP, Lesieur-Brooks AM, Luks FI: Induction of Fetal Type II Pneumocyte Apoptosis in Vivo by Intrauterine Tracheal Occlusion. United States and Canadian Academy of Pathology, Annual Meeting, March 1999, San Francisco (CA).

46. De Paepe ME, Sardesai MP, Wild YK, Lesieur-Brooks AM, Luks FI: Tracheal Occlusion Induces Type II Pneumocyte Apoptosis in Fetal Rabbits. New England Perinatal Society, Annual Meeting, March 1999, Woodstock (VT).
47. Liao S, De Paepe ME, Piasecki G, Papadakis K, Luks FI: Lung Growth Response After Tracheal Occlusion is Gestational Age-Dependent. New England Perinatal Society, Annual Meeting, March 1999, Woodstock (VT).
48. Wild YK, Papadakis K, De Paepe ME, Lesieur-Brooks AM, Piasecki G, Rubin LP, Jackson C, Luks FI: Type II Cell Depletion After Fetal Tracheal Ligation is Pressure-Mediated and Independent of Lung Growth. New England Perinatal Society, Annual Meeting, March 1999, Woodstock (VT).
49. Liao S, De Paepe ME, Piasecki G, Luks FI: Lung Growth Response After Tracheal Occlusion is Gestational Age-Dependent. Annual Meeting of International Fetal Medicine and Surgery Society, May 1999, Carlisle (UK).
50. Wild YK, Papadakis K, De Paepe ME, Lesieur-Brooks AM, Piasecki G, Rubin LP, Jackson C, Luks FI: Initial Growth Response to Tracheal Obstruction in the Fetal Lamb is not Associated with Type II Pneumocyte Depletion. Annual Meeting of International Fetal Medicine and Surgery Society, May 1999, Carlisle (UK).
51. De Paepe ME, Lesieur-Brooks A, Jude C, Luks FI: Fetal Lung Apoptosis Coincides With Up-Regulation of Fas-Ligand Expression. Brown Pathobiology Program, Annual Retreat, August 1999.
52. Wild YK, Piasecki G, De Paepe ME, Luks FI: Short Term Tracheal Occlusion in Fetal Lambs with Diaphragmatic Hernia Improves Lung Function Even in the Absence of Lung Growth. Canadian Association of Paediatric Surgeons, Annual Meeting, September 1999, Montreal (CDN).
53. Liao S, De Paepe ME, Piasecki G, Papadakis K, Luks FI: Lung Growth Response After Tracheal Occlusion in Fetal Lambs is Gestational Age-Dependent. Surgical Forum, American College of Surgeons, October 1999, Chicago (IL).
54. De Paepe ME, Lesieur-Brooks A, Jude C, Luks F: Fas/FasL Expression During Fetal Lung Development. Annual Hospital Research Celebration, Lifespan/Brown University, Nov. 1999, Providence (RI).
55. Sanchez-Esteban J, Cicchiello LA, Tsai SW, De Paepe ME, Rubin LP: Mechanical Stretch Inhibits Proliferation and Induces Apoptosis in Isolated Fetal Rat Lung Fibroblasts. Annual Hospital Research Celebration, Lifespan/Brown University, Nov. 1999, Providence (RI).
56. Wild YK, Piasecki G, De Paepe ME, Luks FI: Short Term Tracheal Occlusion in Fetal Lambs with Diaphragmatic Hernia Improves Lung Function Even in the Absence of Lung Growth. Annual Hospital Research Celebration, Lifespan/Brown University, Nov. 1999, Providence (RI).

57. Luks FI, Wild YK, De Paepe ME: Short-Term Tracheal Occlusion Corrects Pulmonary Vascular Anomalies in the Fetal Lamb With Diaphragmatic Hernia. Society of University Surgeons, Annual Meeting, Feb. 2000, Toronto (CDN).
58. De Paepe ME, Lesieur-Brooks A, Jude C, Luks FI: Fas/FasL Expression During Fetal Lung Development. United States and Canadian Academy of Pathology, Annual Meeting, March 2000, New Orleans (LA).
59. Luks FI, Wild YK, Piasecki GJ, Lesieur-Brooks AM, De Paepe ME: Effect of Lung Fluid Composition on Type II Cellular Activity After Tracheal Occlusion in the Fetal Lamb. American Pediatric Surgical Association, Annual Meeting, May 2000, Lake Buena Vista (FL).
60. De Paepe ME, Lesieur-Brooks A, Jude C, Luks FI: Fetal Lung Development: Role of the Fas/FasL System. North-East Pediatric Pathology Club, Spring Meeting, June 2000, Providence (RI).
61. De Paepe ME, Lesieur-Brooks A, Jude C, Luks FI: Apoptosis in Fetal Lung Development. International Fetal Medicine and Surgery Society, Sept. 2000, Nantucket (MA).
62. Luks FI, De Paepe ME: Short-Term Tracheal Occlusion Corrects Pulmonary Vascular Anomalies in the Fetal Lamb With Diaphragmatic Hernia. International Fetal Medicine and Surgery Society, Sept. 2000, Nantucket (MA).
63. De Paepe ME, Lesieur-Brooks A, Jude C, Luks FI: Fetal Lung Apoptosis in Rabbits Coincides With Upregulation of Fas-Ligand Expression. Annual New England Conference on Perinatal Research, Oct. 2000, Chatham (MA).
64. De Paepe ME: Role of Fas-Mediated Apoptosis in Fetal Lung Development. Eighth Woods Hole Conference in Lung Cell Biology (Basic Mechanisms of Lung Development), Oct. 2000, Woods Hole (MA).
65. Pinar H, De Paepe M, Hansen K: Renal Tubular Dysgenesis, Cystic Adenomatoid Malformation and Mullerian Hypoplasia with Ambiguous Genitalia in Two Siblings. Society for Pediatric Pathology Fall Meeting, Sept. 2002, Dallas (TX).
66. De Paepe ME, Hansen K, Luks FI: Stereological Volumetry of Perinatal Lung Parenchyma: Technique and Rationale. Society for Pediatric Pathology Fall Meeting, Sept. 2002, Dallas (TX).
67. De Paepe ME, Stopa E, Huang C, Luks FI, Hansen K: Apoptosis Precedes Tubular Atrophy in Twin-to-Twin Transfusion Syndrome. Society for Pediatric Pathology Fall Meeting, Sept. 2002, Dallas (TX).
68. De Paepe ME, Mao Q, Jackson CL, Luks FI: Upregulation of Fas-Ligand Expression After Tracheal Occlusion in Fetal Rabbits. International Fetal Medicine and Surgery Society, Sept. 2002, La Malbaie (Que, CDN).

69. De Paepe ME, Stopa E, Huang C, Hansen K, Plevyak M, Carr SR, Luks FI: Renal Tubular Apoptosis in Twin-to-Twin Transfusion Syndrome. International Fetal Medicine and Surgery Society, Sept. 2002, La Malbaie (Que, CDN).
70. Oyer CE, Sung CJ, Friedman R, Hansen K, De Paepe M, Pinar H, Singer DB: Reference Values for Valve Circumferences and Ventricular Wall Thicknesses of Fetal and Neonatal Hearts. Society for Pediatric Pathology Fall Meeting, Oct. 2003, Cincinnati (OH).
71. De Paepe ME, Friedman R, Pinar H, Oyer C, Hansen K: Inflammatory Response in Fatal Perinatal GBS-Infection: Effect of Gestational Age. Society for Pediatric Pathology Fall Meeting, Oct. 2003, Cincinnati (OH).
72. De Paepe ME, Friedman R, Poch M, Hansen K, Carr S, Luks FI: Placental Findings After Laser Ablation of Communicating Vessels in Twin-to-Twin Transfusion Syndrome (TTTS). Society for Pediatric Pathology Fall Meeting, Oct. 2003, Cincinnati (OH).
73. Poch M, DeKoninck P, Luks FI, Carr SR, De Paepe ME: Net Vascular Cross-Sectional Area Correlates With Twin-to-Twin Transfusion. International Fetal Medicine and Surgery Society, March 2004, Charleston (SC).
74. Chao Y, Mao Q, De Paepe ME: Hyperoxia-Induced Apoptosis and Apoptotic Gene Expression in Lung Epithelial Cells. Brown University School of Medicine Bio-Medical Research Day, April 2004, Providence (RI).
75. Poch M, Luks FI, Carr SR, De Paepe ME: Twin-to-Twin Transfusion Syndrome Correlates with Net Vascular Cross Sectional Area of Arterio-Venous Anastomoses. Brown University School of Medicine Bio-Medical Research Day, April 2004, Providence (RI).
76. De Paepe ME, Chao Y, Mao Q: Hyperoxia-Induced Apoptosis and Apoptotic Gene Expression in Lung Epithelial Cells. 3<sup>rd</sup> International Workshop on Developmental Biology of the Lung. May 2004, Quebec City (PQ).
77. De Paepe ME, Chao Y, Mao Q: Hyperoxia-Induced Apoptosis in Lung Epithelial Cells. Society for Pediatric Pathology Fall Meeting, Oct. 2004, Little Rock (AK).
78. De Paepe ME, Chao Y, Mao Q: Effects of Hyperoxia on Apoptosis and Apoptotic Gene Expression in Lung Epithelial Cells. Annual Hospital Research Celebration, Brown University, October 2004, Providence (RI).
79. Tsai AC, Gong X, Mao Q, De Paepe ME, Rubin LP: Developmental Expression of Provitamin A Cleavage Enzymes. Annual Hospital Research Celebration, Brown University, October 2004, Providence (RI).
80. Stachurski D, Mao Q, Powell J, Rubin SE, Gundogan F, De Paepe ME: The Pulmonary Microvasculature in Bronchopulmonary Dysplasia Is Not Underdeveloped. Society for Pediatric Pathology Spring Meeting, February 2005, San Antonio (TX).

81. De Paepe ME, Mao Q, Chao Y: Hyperoxia-Induced Apoptosis and Fas/FasL Expression in Lung Epithelial Cells. Pediatric Academic Societies/Society for Pediatric Research Annual Meeting, May 2005, Washington D.C.
82. Tsai A, Gong X, Deggins B, Freedman P, De Paepe ME, Rubin LP: Alveolar Epithelial Cells Synthesize Retinoids from  $\beta$ -Carotene: A New Regulatory Pathway in Lung Development. Pediatric Academic Societies/Society for Pediatric Research Annual Meeting, May 2005, Washington D.C.
83. De Paepe ME, Powell J, Rubin SE, Mao Q: The Pulmonary Microvasculature in Bronchopulmonary Dysplasia Is Not Underdeveloped. Pediatric Academic Societies/Society for Pediatric Research Annual Meeting, May 2005, Washington D.C.
84. De Paepe ME, Tsai A, Patel C, Mao Q: Upregulation of Pulmonary Endoglin (CD105) Expression in Ventilated Preterm Infants. Pediatric Academic Societies/Society for Pediatric Research Annual Meeting, May 2006, San Francisco, CA.
85. Fritzell J, Mao Q, Aliotta J, Padbury JF, De Paepe ME: Stem Cell Therapy for Bronchopulmonary Dysplasia. Stem Cell and Cancer Therapeutics Symposium, May 2006, Providence, RI.
86. De Paepe ME, Greco D, Gundogan F, Gundavarapu S, Mao Q: Microarray Analysis of Ventilated Preterm Lungs Identifies Differential Expression of Angiogenesis-Related Genes. Society for Pediatric Pathology, Fall Meeting, Oct. 2006, Columbus (OH).

#### **INVITED PRESENTATIONS**

1. The Sickle Cell Disease of Transgenic SAD Mice.  
Society for Pediatric Pathology, Annual Meeting  
March 1995,  
Toronto, Canada.  
(Award Acceptance Speech).
2. Fetal Tracheal Occlusion in the Rabbit Model.  
Pediatric Research Colloquium  
Dec 1997  
Women and Infants' Hospital, Providence, RI.
3. Type II Cell Kinetics After Fetal Tracheal Occlusion in Rabbits.  
Pediatric Research Colloquium  
June 1998  
Women and Infants' Hospital, Providence, RI.
4. The Rabbit Model of Fetal Tracheal Ligation.  
Pulmonary Research Conference  
March 1999  
Brown University, Providence, RI.

5. Apoptosis in Normal and Accelerated Fetal Lung Development.  
Rhode Island Hospital Basic Research Seminar Series  
June 1999  
Rhode Island Hospital, Providence, RI.
6. Accelerating Fetal Lung Growth: From Animal Models to Clinical Applications.  
Society for Pediatric Pathology, Interim Meeting  
September 1999  
Providence, RI.
7. Apoptosis in Fetal Lung Development.  
Pathology Research Rounds, Brown University  
December 1999  
Brown University, Providence, RI.
8. Diabetic Embryopathy.  
CPC Conference, Perinatal Management Conference  
November 2000  
Women and Infants' Hospital, Providence, RI.
9. Apoptosis in Fetal Lung Development.  
Pulmonary Research Conference  
January 2001  
Brown University, Providence, RI.
10. Meconium Aspiration.  
CPC Conference, Perinatal Management Conference  
June 2001  
Women and Infants' Hospital, Providence, RI.
11. Role and Regulation of Apoptosis in Fetal Lung Development.  
Pathology Research Rounds, Dept. of Pathology  
July 2001  
Women and Infants' Hospital, Providence, RI.
12. Pediatric Small Round Cell Tumors.  
Joint Pediatric Grand Rounds,  
July 2001  
Rhode Island Hospital, Providence, RI.
13. Congenital Teratoma.  
CPC Conference, Perinatal Management Conference  
December 2001  
Women and Infants' Hospital, Providence, RI.
14. Cloacal Malformations  
CPC Conference, Perinatal Management Conference  
June 2002  
Women and Infants' Hospital, Providence, RI.

15. Congenital Lymphangiectasis  
CPC Conference, Perinatal Management Conference  
October 2002  
Women and Infants' Hospital, Providence, RI.
16. Beta-Galactosidase Deficiency  
CPC Conference, Perinatal Management Conference  
December 2002  
Women and Infants' Hospital, Providence, RI.
17. Role and Regulation of Apoptosis in Perinatal Lung Development.  
Pediatric Research Colloquium  
January 2003  
Women and Infants' Hospital, Providence, RI.
18. Perinatal GBS Infection.  
CPC Conference, Perinatal Management Conference  
May 2003  
Women and Infants' Hospital, Providence, RI.
19. Alpha-Thalassemia.  
CPC Conference, Perinatal Management Conference  
December 2003  
Women and Infants' Hospital, Providence, RI.
20. Gross Placental Pathology.  
MFM Fellows Lecture Series  
January 2004  
Women and Infants' Hospital, Providence, RI.
21. Role and Regulation of Apoptosis in Perinatal Lung Development.  
Faculty Research Presentation, Fourth Frank G. DeLuca Distinguished Lectureship in Pediatric  
Surgical Sciences  
March 2004  
Rhode Island Hospital and Brown Medical School, Providence, RI.
22. Pulmonary Interstitial Emphysema.  
CPC Conference, Perinatal Management Conference  
May 2004  
Women and Infants' Hospital, Providence, RI.
23. Hyperoxia-Induced Apoptosis and Apoptotic Gene Expression in Lung Epithelial Cells.  
Pediatric Research Colloquium  
June 2004  
Women and Infants' Hospital, Providence, RI.

24. Oligohydramnios and Lung Hypoplasia  
CPC Conference, Perinatal Management Conference  
November 2004  
Women and Infants' Hospital, Providence, RI.
25. Congenital Uropathy in Trisomy Syndromes  
CPC Conference, Perinatal Management Conference  
July 2005  
Women and Infants' Hospital, Providence, RI.
26. New Light on BPD: The Pulmonary Microvasculature is Growing, But How?  
Featured Presentation  
18<sup>th</sup> Annual Meeting of the Eastern Society for Pediatric Research  
March 2006  
Old Greenwich, CT.
27. Dysangiogenesis in Bronchopulmonary Dysplasia  
Pathology Research Conference  
April 2006  
Women and Infants' Hospital, Providence, RI.
28. Neonatal Lupus Syndromes  
CPC Conference, Perinatal Management Conference  
July 2006  
Women and Infants' Hospital, Providence, RI.

## **GRANTS**

1. "The Tracheal Ligation Model of Accelerated Fetal Lung Growth".  
Grant: American Lung Association # RG-159-N  
Amount: \$49,500  
Term: 7/97-12/99  
Role: Principal Researcher
2. "Effect of Timing of Tracheal Occlusion on Lung Growth Response in Fetal Rabbits".  
Grant: Rhode Island Foundation  
Amount: \$5,000  
Term: 1/98-12/98  
Role: Principal Investigator
3. "Role of the KGF/KGFR Axis in Normal, Hypoplastic and Experimentally Accelerated Fetal Lung Development".  
Grant: Lifespan Developmental Grant  
Amount: \$24,500  
Term: 3/98-2/99  
Role: Principal Investigator

4. “Role of the Fas/FasL System in Postglandular Lung Apoptosis”.  
Grant: American Lung Association # RG-042-N  
Amount: \$49,929  
Term: 7/00-12/02  
Role: Principal Investigator
5. “Fas/FasL and Fetal Lung Development”.  
Grant: Junior Investigator Award, Society for Pediatric Pathology  
Amount: \$10,000  
Term: 7/00-6/01  
Role: Principal Investigator
6. “Role of Fas-Mediated Apoptosis in Perinatal Lung Remodeling”  
Grant: NIH P20-RR018728, NIH NCRR, COBRE in Perinatal Biology (James F. Padbury)  
Amount: \$129,000/year  
Term: 10/03-9/08  
Role: Principal Investigator, subproject IV
7. “An in Vivo Fetal Model for Twin-to-Twin Transfusion Syndrome”  
Grant: NIH R21 (PI: FI Luks)  
Pending (submitted 2/1/06)  
Role: Co-Principal Investigator
8. “Apoptosis and Postcanalicular Lung Development”  
Grant: NIH R01  
Pending resubmission 7/1/06  
Role: Principal Investigator
9. “Small GTPases and Lung Endothelial Apoptosis”  
Grant: NIH R01 (PI: S. Rounds)  
Pending (submitted 7/1/05)  
Role: Collaborator
10. “Endothelial Barrier Function Modulation by PKCdelta”  
Grant: NIH R01 (PI: E. Harrington)  
Pending (submitted 7/1/05)  
Role: Collaborator
11. “Regulatory Mechanisms of Acute Lung Injury: Phagocyte Apoptosis”  
Grant: NIH R01 (PI: A. Ayala)  
Role: Consultant
12. “Mechanotransduction and Lung Alveolar Differentiation”  
Grant: NIH R01 (PI: J. Sanchez-Esteban)  
Role: Collaborator

## TRAINING GRANTS

NIH Minority Short Term Training Grant (NHLBI)  
Role: Faculty Mentor (PI: S. Rounds, M.D.)  
Term: 2001-present

NIH Training Grant for Perinatal Biology  
Role: Mentor (PI: J.F. Padbury, M.D.)  
Term: 2004-present

## UNIVERSITY TEACHING ROLES

### LABORATORY TRAINEES

- 1995-97      Konstantinos Papadakis, M.D. (Surgical Research Fellow)  
Co-Supervision with F.I. Luks, M.D.
- 1996-97      Brian D. Johnson, BS (Brown Biology Undergraduate Student)  
Biomed 195/196 Course of Independent Research, Honors Graduate.  
Co-Supervision with F.I. Luks, M.D.
- 1997-98      Mahesh P. Sardesai, BS (Brown Biology Undergraduate Student)  
Biomed 195/196 Course of Independent Research
- 1998-99      Yvette Wild, BS (Brown Biology Undergraduate Student)  
Biomed 195/196 Course of Independent Research, Honors Graduate.  
Co-Supervision with F.I. Luks, M.D.
- 1999          Craig Jude, BA (Colby College Biology BA)  
Summer Research Assistant
- 1999-00      Joshua K. Mondschein, (Brown Biology Undergraduate Student)  
Biomed 195/196 Course of Independent Research.
- 2000          Pranay Parikh, MD '04 (Brown Medical School Medical Student)  
Summer Research Assistant/Intern
- 2000          Andrea Parada, BS (Brown Biology Undergraduate Student)  
Summer Intern  
Co-Supervision with K. Hansen, M.D.
- 2001          Emily Stopa, MD '08 (East Greenwich High School)  
Summer Intern (prior to attending Brown PLME Program)
- 2002          Shayan Shirazian, MD '05 (Brown University Medical Student)  
Summer Research Assistant (with PLME Summer Research Assistantship)

Monique E. De Paepe, M.D., M.Sc.  
Curriculum Vitae

- 2003 Meredith Dixon, BA (Brown Biology Undergraduate Student)  
Summer Research Assistant/Intern
- 2003 Naomi Appel, BA (Colby College Biology BA)  
Summer Research Assistant/Intern
- 2003 Philip DeKoninck, MD '05 (Antwerp University Medical Student)  
Summer Research Assistant/Intern
- 2003-04 Michael Poch, MD '05 (Brown University Medical Student)  
Research Intern
- 2004 Yvonne Chao, BS (Brown Biology Undergraduate student)  
Research Assistant  
Recipient of Brown University Biology Prize, 2004
- 2004 Sam E. Rubin (Wheeler School)  
Research Intern (prior to attending Brown University)
- 2005 Chintan Patel, MD '09 (Brown University PLME Student)  
Summer Research Assistant (with PLME Summer Research Assistantship)
- 2005 Amy Tsai, MD '08 (Brown University PLME Student)  
Summer Research Assistant  
Biomed 195/196 Course of Independent Research
- 2005-08 James Fritzell, M.D.  
Research Fellow (Neonatology)
- 2006 Eliza Stopa (East Greenwich High School)  
Summer Intern

#### TEACHING

- 2000-present Lecturer: Lung Structure and Development  
Brown University BioMed 279
- 6/2004 Dean's Teaching Excellence Award  
Brown Medical School  
Bio 279-Pulmonary Pathology

#### HOSPITAL TEACHING ROLES

- 1995-present Faculty  
Brown University Pathology Residency Program  
Seminars: Breast Pathology (1995-2000)  
Seminars: Perinatal Pathology (2000-present)

Monique E. De Paepe, M.D., M.Sc.  
Curriculum Vitae

- 2005-present Coordinator  
Perinatal Pathology Rotation  
Brown University Pathology Residency Program
- 1995-2000 Faculty  
Brown University Surgical Residency Program  
Weekly Breast Tumor Board  
Breast Cancer Structured Clinical Instruction Module: Breast Cytology/Histology (6/96)
- 2001-present Faculty  
Don B. Singer Perinatal and Pediatric Pathology Fellowship Program  
Women and Infants Hospital, Brown Medical School
- 2004-06 Associate Program Director  
Don B. Singer Perinatal and Pediatric Pathology Fellowship Program  
Women and Infants Hospital, Brown Medical School
- 2006-present Program Director  
Don B. Singer Perinatal and Pediatric Pathology Fellowship Program  
Women and Infants Hospital, Brown Medical School
- 2001-03 Faculty  
Brown University (Pediatric) Surgery Program  
Rhode Island Hospital and Hasbro Children's Hospital, Brown Medical School  
Monthly Conference "Pediatric Surgical Pathology"  
Bimonthly Pediatric Tumor Board
- 2001-03 Faculty  
Brown University Pediatric Residency Program  
Rhode Island Hospital and Hasbro Children's Hospital, Brown Medical School  
Bimonthly Pediatric Tumor Board  
Bimonthly Pediatric Gastrointestinal Pathology Conference
- 2001-present Faculty  
Brown University Neonatology Fellowship Program  
Women and Infants' Hospital, Brown Medical School  
Bimonthly Perinatal Pathology Conference  
Monthly Clinicopathological Conference, Perinatal Management Conference
- 2005-08 Mentor  
James Fritzell, M.D.  
Neonatology Research Fellow
- 2001-present Faculty  
Brown Fetal Treatment Program  
Bimonthly Multidisciplinary Antenatal Diagnosis and Management Conference  
Women and Infants' Hospital, Brown Medical School

Monique E. De Paepe, M.D., M.Sc.  
Curriculum Vitae

2001-present Faculty  
Brown University Obstetrics/Gynecology Residency Program  
Seminars: "The Placenta"  
Women and Infants' Hospital, Brown Medical School

2003-present Faculty  
Brown University Maternal-Fetal Medicine Fellowship Program  
Seminars: "The Placenta"  
Women and Infants' Hospital, Brown Medical School