

CURRICULUM VITAE

JEAN E. ROBILLARD

PERSONAL DATA

Social Security Number: 000-00-0000
 Citizenship: U.S.A.

EDUCATION

1964	B.A.	University of Montreal
1968	M.D.	University of Montreal

POSTDOCTORAL TRAINING

1966-67	Research Scholarship, University of Montreal
1968-69	Internship, Hotel Dieu Hospital, Montreal, Canada
1969-72	Pediatric Residency, Ste. Justine Hospital, Montreal, Canada
1972-73	Pediatric Nephrology Fellowship, Medical Research Council of Canada, University of California Medical Center, Los Angeles
1973-74	Pediatric Nephrology Fellowship, Medical Research Council of Canada, University of Iowa Medical Center, Iowa City, Iowa

ACADEMIC APPOINTMENTS

7/74-7/75	Assistant Professor, Department of Pediatrics College of Medicine, University of Iowa, Iowa City, IA
7/75-9/76	Assistant Professor, Department of Pediatrics College of Medicine, University of Montreal, Montreal, Canada
9/76-7/78	Assistant Professor, Department of Pediatrics College of Medicine, University of Iowa, Iowa City, IA
7/78-7/82	Associate Professor, Department of Pediatrics College of Medicine, University of Iowa, Iowa City, IA
9/76-4/96	Director, Nephrology Division, Department of Pediatrics College of Medicine, University of Iowa, Iowa City, IA
7/82-4/96	Professor, Department of Pediatrics College of Medicine, University of Iowa, Iowa City, IA
7/87-4/96	Vice-Chairman, Department of Pediatrics College of Medicine, University of Iowa, Iowa City, IA
4/96-1/03	Chair of Pediatrics, University of Michigan, Ann Arbor, MI
4/96-1/03	Physician-in-Chief, C.S. Mott Children's Hospital, Ann Arbor, MI
2/03- present	Dean, Roy J. and Lucille A. Carver College of Medicine, University of Iowa, Iowa City, IA

CERTIFICATION AND LICENSURE

Certification

2001	American Board of Pediatrics (Pediatric Nephrology Recertification)
1993	American Board of Pediatrics, #034388 (Core & Pediatric Nephrology Recertification)
1986	American Board of Pediatrics, #16947 (Nephrology & Pediatrics Recertification)
1979	American Board of Pediatrics, Subspecialty in Nephrology, #239

1974 American Board of Pediatrics
1973 Canadian Medical Council Board
1973 Fellow (FRCP), Pediatrics, Royal College of Physicians & Surgeons of
Canada
1973 Pediatric Board, College of Physicians & Surgeons of the Province of Quebec
1973 Nephrology Board, College of Physicians & Surgeons of the Province of Quebec
1969 Quebec Medical Board

Licensure

1995 Michigan, 4301067252
1976 Iowa, permanent, #20487
1971 Canadian Medical Council, permanent
1969 Quebec Medical License, permanent, #69-218

MILITARY SERVICE: None

HONORS AND AWARDS

2004 President-elect, American Board of Pediatrics
2002 Founder's Award, Midwest Society for Pediatric Research
2002 Distinguished Alumnus Award for Achievement, University of Iowa
2001 Board of Directors, American Board of Pediatrics
1999 Fellow, American Association for the Advancement of Science
1998 *The Best Doctors in America*, 4th edition
1993 *The Best Doctors in America*, 2nd edition
1993 President-Elect, American Society of Pediatric Nephrology
1993 Honorary member, Alpha Omega Alpha Medical Society
1987 Invited speaker, Angiotensin Gordon Conference, Santa Barbara, CA
1986 Fellow, Council for High Blood Pressure Research, American Heart
Association
1981 Pfizer Lecturer, Clinical Research Institute, Montreal, Canada
1978-1983 Research Career Development Award (NIH)
1972-1975 Medical Research Council of Canada Fellowship
1965, 1966 Summer Student Scholarship, Medical Research Council of Canada

MEMBERSHIPS IN PROFESSIONAL SOCIETIES

2001 National Medical Association
1996-present Association of Medical School Pediatric Department Chairs, Inc.
1995-present American Society of Transplant Physicians
1989-present The Perinatal Research Society
1989-present Society for Gynecologic Investigation
1988-present American Pediatric Society
1987-present American Physiological Society
1986-present Fellow, Council for High Blood Pressure Research, American Heart
Association
1979-present American Association for the Advancement of Science
1978-present American Society for Pediatric Nephrology
1978-present Society for Pediatric Research
1977-present American Heart Association
1977-present American Society of Nephrology
1977-present International Society of Nephrology
1977-present International Pediatric Nephrology Association

1974-present Midwest Society for Pediatric Research
1974-present American Academy of Pediatrics
1973-present Fellow, Pediatrics, Royal College of Physicians & Surgeons

CLINICAL ACTIVITIES

Outpatient: Pediatric Renal Clinic 1 clinic/week

TEACHING ACTIVITIES

Clinical Teaching
Nephrology Service One month/year

Master's and Ph.D. Theses Directed and Postdoctoral Fellows Supervised

1994-1996	Jean Petershock, M.D.	Asst. Professor, Univ of Texas, San Antonio
1994-1996	Margaret M. Samyn, M.D.	Adjunct Asst Professor, Univ of Michigan
1993-1996	Anne-Monique Nuyt, M.D.	Asst. Professor, Univ. of Montreal
1992	Jon R. Mazursky, M.D.	Asst. Professor, Univ. of Arkansas
1993	Linda Kirby-Keyser, M.D.	Asst. Professor, Univ. Texas A & M
1993	Edward N. Guillery, M.D.	Asst. Professor, Univ. of Wisconsin
1993	David C. Merrill, M.D., Ph.D.	Associate Professor, Bowman Gray Univ.
1989	Jeffrey Segar, M.D.	Associate Professor, Univ. of Iowa
1988	Francine G. Smith, Ph.D.	Asst. Professor, Univ. of Calgary, Alberta
1987	Tadashi Sato, M.D.	Asst. Professor, Saga Univ., Japan
1987	Venance Varille, M.D.	Private Practice, INSERM, Paris, France
1985	G. Paul Matherne, M.D.	Assoc. Professor, Univ. of Virginia
1985	Kenneth T. Nakamura, M.D.	Professor, Univ. of Hawaii
1984	Nancy A. Ayres, M.D.	Asst. Professor, Baylor Univ.
1983	R. Ariel Gomez, M.D.	Professor, Univ. of Virginia
1980	Jerold C. Woodhead, M.D.	Assoc. Professor, Univ. of Iowa
1980	James R. Matson, M.D.	Assoc. Professor, Univ. of Oklahoma
1977	Douglas N. Weismann, M.D.	Assoc. Professor, Univ. of Iowa

SCIENTIFIC ACTIVITIES

Outside Reviewer

American Journal of Physiology	Journal of Clinical Investigation
Circulation Research	Journal of Developmental Physiology
Developmental Pharmacology and Therapeutics	Journal of Pediatric Nephrology
Early Human Development	Journal of Pediatrics
Endocrinology	Kidney International
Hypertension	Pediatric Research
Pediatrics	

Editorial Positions

1985-90 Editorial Board, *Journal of Pediatric Nephrology*
1993-95 Editorial Board, *American Journal of Physiology: Regulatory, Integrative & Comparative Physiology*

1995-98 Editorial Board, *American Journal of Physiology: Endocrinology & Metabolism*
 1996-2001 Associate Editor, *American Journal of Physiology: Regulatory, Integrative & Comparative Physiology*
 2001-2002 Editorial Board, *Journal of Pediatrics*

Study Sections

1982 *ad hoc* Member, site visitor, NHLBI
 1985-1996 General Medicine B Study Section (NIH), *ad hoc* Committee for Pediatric Nephrology
 1985 *ad hoc* Reviewer, Centers and Special Projects Review Section
 1986 Special Study Section: Endocrinology Study Section
 1986 Special Study Section: General Medicine B Study Section
 1986-1988 Human Embryology and Development Study Section; *ad hoc* member
 1987-1990 Member, Human Embryology and Development Study Section (NIH)
 1990-1994 Member, National Institutes of Health Reviewers Reserve

GRANT SUPPORT

Current

<u>Source</u>	<u>Title, Principal Investigator</u>	<u>Period</u>	<u>Total Award</u>
NICHD 28820	<i>Advancing Child Health Through Cell/Molecular Biology</i> PI: Jean E. Robillard	02/15/2002 – 11/30/2006	\$2,049,835
NIH DK52612	<i>Kidney Development During Normal and Pathological States</i> Centers of Excellence in Pediatric Nephrology (University of Michigan, Einstein College of Medicine, Georgetown University, University of Virginia) Program Director: J.E. Robillard	09/31/2002 – 08/31/2007	~ \$1,003,883
NIH RR105519	Extramural Research Facilities Construction	08-21-01 - 08-20-04	\$1,937,300
NIH RR017597	Extramural Research Facilities Construction	09-30-02 - 09-29-04	\$1,617,200
NIH RR018865	Extramural Research Facilities Construction	09-15-03- 09-14-05	\$2,534,658
NICHD RR000059-42	General Clinical Research Center	01-11-77 - 02-29-08	\$3,317,379

National Service on Committees

2003-2002- Secretary Treasurer, American Board of Pediatrics
 Finance Committee, American Board of Pediatrics

2001-	Board of Directors, American Board of Pediatrics
2001-	Credentials Committee, American Board of Pediatrics
2001-	Joint Committee with AMSPDC, American Board of Pediatrics
2000	Executive Committee, Association of Medical School Pediatric Department Chairs, Inc.
2000	Executive Committee – Pediatric Scientist Development Program/ Association of Medical School Pediatric Department Chairs
1999	Steering Committee, Pediatric Scientist Development Program Association of Medical School Pediatric Department Chairs, Inc.
1995-1996	Nominating Committee, American Pediatric Society
1995-1996	Past-President and Scientific & Education Program Director, American Society of Pediatric Nephrology
1994-present	Certifying Examination Committee Group B, American Board of Pediatrics
1994-1995	President, American Society of Pediatric Nephrology
1994-1995	Accreditation Council for Graduate Medical Education, Appeals Board for Pediatric Nephrology
1993-1994	President-Elect, American Society of Pediatric Nephrology
1992-present	Task Force on Transplantation Medicine, American Board of Pediatrics
1991-present	<i>ad hoc</i> Committee on Transplantation, American Board of Pediatrics
1991	Society for Pediatric Research Program Committee (Developmental Pharmacology)
1991-1992	Chairman, American Board of Pediatrics, Sub-Board of Nephrology
1987	Society for Pediatric Research Program Committee (Developmental Pharmacology)
1987	Council Member, American Society of Pediatric Nephrology
1985-present	Examination Committee, American Board of Pediatrics, Sub-Board of Pediatric Nephrology
1984-present	Council Member, Midwest Society for Pediatric Research
1983	Participant, NHLBI Workshop on Juvenile Hypertension
1980 & 1985	Society for Pediatric Research Program Committee (Nephrology)
1997-present	Certifying Examination Planning Committee, American Board of Pediatrics
1998	Strategic Planning Conference on Renal Research Priorities, American Society of Nephrology/National Institutes of Health
2006-	President-elect, American Board of Pediatrics

International Service on Committees

2001	Member of Multidisciplinary Assessment Committee (MAC), Canada Foundation for Innovation
2001	Member of international group that reviewed the articles of <i>Fonds de Recherche en Sante du Quebec</i> (FRSQ)

BIBLIOGRAPHY

Papers Published or in Press

1. Robillard, E., Paganuzzi, P., **Robillard, J.E.**: Perméabilité pulmonaire au Bleu Evans après inhalation de microparticules d' "Acetylene Black" chez le rat. *Rev Can Biol* 26:185-189, 1967.
2. Mongeau, J.G., **Robillard, J.E.**: Étude de 32 cas de néphrose chez l'enfant. Amélioration due pronostic par les médicaments immunosuppresseurs. *L'Union Méd Can* 97:1578-1585, 1968.
3. Mongeau, J.G., **Robillard, J.E.**: La néphrose chez l'enfant: amélioration du pronostic par les médicaments immunosuppresseurs. *Rev Int Pediatr* 1:23-28, 1969.

4. Massicotte, P., **Robillard, J.E.**, Guay, M., Laverdiere, M.: Le syndrome oculo-cérébro-rénal: (Syndrome de Lowe) Étude clinique d'un cas. *L'Union Méd Can* 100:1136-1147, 1971.
5. Mongeau, J.G., **Robillard, J.E.**, Brousseau, Y.: Screening for bacteriuria in children: Comparison of two dip-tests. *Can Med Assoc J* 107:227-229, 1972.
6. **Robillard, J.E.**, Mongeau, J.G., Morin, C.L., Dallaire, L., Massicotte, P.: Syndrome de Lowe: Defauts multi-systémiques de transport. *L'Union Méd Can* 102:1496-1502, 1973.
7. **Robillard, J.E.**, Thayer, K., Kulvinskis, C., Smith, F.G., Jr.: Spontaneous activity of the fetal bladder. *Am J Obstet Gynecol* 118:548-551, 1974.
8. **Robillard, J.E.**, Smith, F.G., Jr.: Calcium-phosphorus metabolism in the infant child. *Curr Probl Pediatr* 5:1-47, 1974.
9. **Robillard, J.E.**, Kulvinskis, C., Sessions, C., Burmeister, L., Smith, F.G., Jr.: Maturation changes in the fetal glomerular filtration rate. *Am J Obstet Gynecol* 122:601-606, 1975.
10. **Robillard, J.E.**, Rames, L., Jenson, R., Roberts, R.J.: Peritoneal dialysis in mercurial diuretic intoxication. *J Pediatr* 88:79-81, 1976.
11. **Robillard, J.E.**, Sessions, C., Burmeister L., and Smith, F.G., Jr.: Influence of fetal extracellular volume contraction on renal reabsorption of bicarbonate in fetal lambs. *Pediatr Res* 11:649-655, 1977.
12. **Robillard, J.E.**, Sessions, C., Kennedy, R.L., Robillard, L.H., and Smith, F.G.: Interrelationship between glomerular filtration rate and renal transport of sodium and chloride during fetal life. *Am J Obstet Gynecol* 128:727-734, 1977.
13. Weitzman, R.E., Fisher, D.A., **Robillard, J.E.**, Erenberg, A., Kennedy, R., and Smith, F.G., Jr.: Arginine vasopressin response to an osmotic stimulus in the fetal sheep. *Pediatr Res* 12:35-38, 1978.
14. **Robillard, J.E.**, Sessions, C., Kennedy, R.L., and Smith, F.G., Jr.: Metabolic effects of constant hypertonic glucose infusion in well oxygenated fetuses. *Am J Obstet Gynecol* 130:199-203, 1978.
15. **Robillard, J.E.**, Sessions, C., Kennedy, R.L., and Smith, F.G., Jr.: Maturation of the glucose transport process by the fetal kidney. *Pediatr Res* 12:680-684, 1978.
16. **Robillard, J.E.**, Erenberg, A., and Smith, F.G., Jr.: Renal function during fetal life. *Contemp Ob Gyn* 11:91-100, 1978.
17. Bard, H., **Robillard, J.E.**, Fouron, J.C., Cornet, A., and Saukinin, M.A.: Red cell oxygen affinity in fetal sheep: The role of 2, 3 DPG and adult hemoglobin. *J Appl Physiol* 45:7-10, 1978.
18. **Robillard, J.E.**, Sessions, C., Smith, F.G., Jr.: In vivo demonstration of renal carbonic anhydrase activity in the fetal lamb. *Biol Neonate* 34:253-258, 1978.
19. **Robillard, J.E.**, Weitzman, R.E., Fisher, D.A., and Smith, F.G., Jr.: The dynamics of vasopressin release and blood volume regulation during fetal hemorrhage in the lamb fetus. *Pediatr Res* 13:606-610, 1979.

20. Kennedy, R.L., Erenberg, A.P., **Robillard, J.E.**, Merkow, A.J. and Turner, T.: Effects of changes in maternal-fetal pH on the transplacental equilibrium of Bupivacaine. *Anesthesiology* 51:50-54, 1979.
21. **Robillard, J.E.**, Matson, J.R., Sessions, C. and Smith, F.G., Jr.: Developmental aspects of renal tubular reabsorption of water in the lamb fetus. *Pediatr Res* 13:1172-1176, 1979.
22. Younoszai, M.K., and **Robillard, J.E.**: In vivo intestinal bicarbonate transport in infant rats. *Pediatr Res* 14:839-843, 1980.
23. **Robillard, J.E.** and Weitzman, R.E.: Developmental aspects of the fetal renal response to exogenous arginine vasopressin. *Pediatr Res* 238:F407-F414, 1980.
24. **Robillard, J.E.**, Ramberg, E., Sessions, C., Consamus, B., VanOrden, D., Weismann, D. and Smith, F.G., Jr.: Role of aldosterone on renal sodium and potassium excretion during fetal life and newborn period. *Dev Pharmacol Ther* 1:201-216, 1980.
25. Matson, J.R., Norby, L.H. and **Robillard, J.E.**: Interaction of minoxidil and captopril in the treatment of refractory hypertension. *Am J Dis Child* 135:256-258, 1981.
26. **Robillard, J.E.**, Weitzman, R.E., Burmeister, L. and Smith, F.G., Jr.: Developmental aspects of the renal response to hypoxemia in the lamb fetus. *Circ Res* 48:128-138, 1981.
27. **Robillard, J.E.**, Weismann, D.N. and Herin, P.: Ontogeny of single glomerular perfusion rate in fetal and newborn lambs. *Pediatr Res* 25:1248-1255, 1981.
28. Kisker, C.T., **Robillard, J.E.** and Clark, W.: Development of blood coagulation: a fetal lamb model. *Pediatr Res* 15:1045-1050, 1981.
29. Fisher, D.A., **Robillard, J.E.**, Leake, R.D., Siegel, S.R. and Weitzman, R.E.: "Maturation of the Vasopressin Secretion Control Mechanism in the Fetus and Newborn," in Adrian Spitzer (Ed.), The Kidney during Development, Masson Pub., USA, New York, 1982, pp. 215-221.
30. **Robillard, J.E.**, Weitzman, R.E., Fisher, D.A. and Smith, F.G., Jr.: "Developmental Aspects of Renal Tubular Reabsorption of Water and Fetal Renal Response to Arginine Vasopressin," in Adrian Spitzer (Ed.), The Kidney during Development, Masson Pub., USA, New York, 1982, pp. 205-213.
31. Matson, J.R., Stokes, J.B. and **Robillard, J.E.**: The effects of inhibition of prostaglandin synthesis on the fetal renal function. *Kidney Int* 20:621-627, 1981.
32. Kisker, C.T., **Robillard, J.E.** and Clarke, W.R.: Blood coagulation changes following hypoxemia: a fetal lamb model. *Pediatr Res* 16:8-12, 1982.
33. **Robillard, J.E.**, Gomez, R.A., VanOrden, D. and Smith, F.G., Jr.: Comparison of the adrenal and renal responses to angiotensin-II in fetal lambs and adult sheep. *Circ Res* 50:140-147, 1982.
34. **Robillard, J.E.**, Gomez, R.A., Meernik, J.G., Kuehl, W.D. and VanOrden, D.: Role of angiotensin II on the adrenal and vascular responses to hemorrhage during development in fetal lambs. *Circ Res* 50:645-650, 1982.
35. Kisker, C.T., **Robillard, J.E.** and Clarke, W.R.: Blood coagulation changes following hypoxemia in the near-term fetal lamb. *Pediatr Res* 16:732-739, 1982.

36. Woodhead, J.C., Nowak, A.J., Crall, J.J. and **Robillard, J.E.**: Dental abnormalities in children with chronic renal failure. *Pediatr Dent* 4:281-285, 1982.
37. **Robillard, J.E.**, Lawton, W.J., Weismann, D.N. and Sessions, C.: Developmental aspects of the renal kallikrein-like activity in fetal and newborn lambs. *Kidney Int* 22:594-601, 1982.
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39. **Robillard, J.E.**, Weismann, D.N., Gomez, R.A., Ayres, N.A., Lawton, W.J. and VanOrden, D.E.: Renal and adrenal responses to converting enzyme inhibition in fetal and newborn life. *Am J Physiol* 244:R249-R256, 1983.
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41. Weismann, D.N., Erenberg, A., **Robillard, J.E.** and Wispe, J.: Captopril treatment. *Am J Dis Child* 137:918-919, 1983.
42. Ionasescu, V., Searby, Ch., Rubenstein, P., Sandra, A., Cancilla, P. and **Robillard, J.E.**: Giant axonal neuropathy: normal protein composition of neurofilaments. *J Neurol Neurosurg Psychiatry* 46:551-554, 1983.
43. **Robillard, J.E.**, Gomez, R.A. and Ayres, N.: "Control of Plasma Aldosterone Concentration and Plasma Renin Activity by Angiotensin II During Fetal Life," in Leo Stern, Harry Bard and Bent Friis-Hansen (Eds.), Intensive Care in the Newborn, IV, Masson Pub. USA, New York, 1983, pp. 77-84.
44. Kisker, C.T., **Robillard, J.E.** and Bohlken, D.P.: Glucocorticoid stimulation of blood coagulation factor activities in the fetal lambs. *J Lab Clin Med* 101:569-575, 1983.
45. Gomez, R.A., Meernik, J.G., Kuehl, W.D. and **Robillard, J.E.**: Developmental aspects of the renal response to hemorrhage during fetal life. *Pediatr Res* 18:40-46, 1984.
46. **Robillard, J.E.**: Roles of kallikrein-kinin and prostaglandin systems in juvenile essential hypertension. In: JMH Loggie, Horan, M.J., Gruskin, A.B., Dunbard, J.B., and Havlik, R.F. (Eds): Proceedings of the NHLBI Workshop on Juvenile Hypertension. New York, Biomedical Information Corporation, 1984, pp. 231-241.
47. Gomez, R.A. and **Robillard, J.E.**: Developmental aspects of the renal responses to hemorrhage during converting-enzyme inhibition in fetal lambs. *Circ Res* 54:301-312, 1984.
48. **Robillard, J.E.**, Ayres, N.A., Gomez, R.A., Nakamura, K.T. and Smith, F.G., Jr.: Factors controlling aldosterone secretion during hypoxemia in fetal lambs. *Pediatr Res* 18:607-611, 1984.
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50. **Robillard, J.E.:** In J.M.H. Loggie, Horan, M.J., Hohn, A.R., Gruskin, A.B., Dunbard, J.R., and Havlik, R.J. (Eds): Juvenile Hypertension: Highlights of a Workshop. *J Pediatr* 104:657-663, 1984.
51. **Robillard, J.E.,** Nakamura, K.T. and Ayres, N.A.: Control of fluid and electrolyte balance during fetal life. In C.T. Jones (Ed): Physiological Development of Fetus and Newborn. Academic Press, Inc., (London) pp. 527-533, 1985.
52. Nakamura, K.T., Ayres, N.A., Gomez, R.A. and **Robillard, J.E.:** Renal responses to hypoxemia during renin-angiotensin system inhibition in fetal lambs. *Am J Physiol* 249:R116-R124, 1985.
53. **Robillard, J.E.,** Nakamura, K.T. and Lawton, W.J.: Effects of aldosterone on urinary kallikrein and sodium excretion during fetal life. *Pediatr Res* 19:1048-1052, 1985.
54. Younoszai, M.K., Kisker, T., **Robillard, J.E.** and Nathan, R.: Effect of acidosis and hypoxia on intestinal blood flow of sheep fetus. *Biol Neonate* 49:29-35, 1986.
55. **Robillard, J.E.,** Nakamura, K.T. and DiBona, G.F.: Effects of renal denervation on renal responses to hypoxemia in fetal lambs. *Am J Physiol* 250:F294-F301, 1986.
56. **Robillard, J.E.** and Kisker, C.T.: Effects of metabolic acidosis on fetal renal hemodynamics. *J Dev Physiol* 9:105-112, 1987.
57. Nakamura, K.T., Felder, R.A., Jose, P.A., and **Robillard, J.E.:** Effects of dopamine in the renal vascular bed of fetal, newborn and adult sheep. *Am J Physiol* 252:R490-R497, 1987.
58. **Robillard, J.E.,** Nakamura, K.T., Wilkin, M., McWeeny, O.J. and DiBona, G.F.: Ontogeny of the renal hemodynamic response to renal nerve stimulation in sheep. *Am J Physiol* 252:F605-F612, 1987.
59. Nakamura, K.T., Matherne, G.P., McWeeny, O.J., Smith, B.A., and **Robillard, J.E.:** Renal hemodynamics and functional changes during the transition from fetal to newborn life in sheep. *Pediatr Res* 21:229-234, 1987.
60. Felder, C.C., **Robillard, J.E.,** Roy, S., and Jose, P.A.: Severe chloride deficiency in the neonate using the canine puppy as an animal model. *Pediatr Res* 21:497-501, 1987.
61. Nakamura, K.T., Smith, B.A., Erenberg, A., and **Robillard, J.E.:** Changes in arterial blood gases following cardiac asystole during fetal lambs. *Obstet Gynecol.* 70:16-17, 1987.
62. Nakamura, K.T., Matherne, G.P., Jose, P.A., Alden, B.M., and **Robillard, J.E.:** Ontogeny of renal b-adrenoceptor mediated vasodilation in sheep: Comparison between endogenous catecholamines. *Pediatr Res* 22:465-470, 1987.
63. Jose P.A., and **Robillard J.E.:** Renal hemodynamics and natriuresis induced by the dopamine-1 agonist, SKF 82526NB. *Am J Med Sci* 30:181-186, 1987.
64. Weismann, D.N. and **Robillard, J.E.:** Renal hemodynamic responses to hypoxemia during development: Relationships to circulating vasoactive substances. *Pediatr Res* 23:155-162, 1988.
65. Nakamura, K.T., Matherne, G.P., Jose, P.A., Alden, B.M. and **Robillard, J.E.:** Effects of epinephrine on the renal vascular bed of fetal, newborn and adult sheep. *Pediatr Res* 23:181-186, 1988.

66. Felder, R.A., Nakamura, K.T., **Robillard, J.E.**, Kanadjian, M., and Jose, P.A.: Dopamine receptors in the developing sheep kidney. *Pediatr Nephrol* 2: 156-162, 1988.
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68. **Robillard, J.E.**, Nakamura, K.T., Varille, V.A., Andresen, A.A., Matherne, G.P., and VanOrden, D.E.: Ontogeny of the renal response to natriuretic peptide in sheep. *Am J Physiol* 254:F634-F641, 1988.
69. **Robillard, J.E.**, and Nakamura, K.T.: Hormonal regulation of renal function during development. *Biol Neonate* 53:201-211, 1988.
70. **Robillard, J.E.**, Nakamura, K.T., Matherne, G.P., and Jose, P.A.: Renal hemodynamics and functional adjustments to postnatal life. *Semin Perinatol* 12(2):143-150, 1988.
71. **Robillard, J.E.**, and Weiner, C.P.: Atrial natriuretic factor in the human fetus: effect of volume expansion. *J Pediatr* 113(3):552-555, 1988.
72. **Robillard, J.E.**, Nakamura, K.T., Varille, V.A., Matherne, G.P., and McWeeny, O.J.: Plasma and urine clearance rates of atrial natriuretic factor during ontogeny in sheep. *J Dev Physiol* 10:335-346, 1988.
73. **Robillard, J.E.**, and Nakamura, K.T.: Neurohormonal regulation of renal function during development. *Am J Physiol* 254:F771-F779, 1988.
74. Nakamura, K.T., Alden, B.M., Matherne, G.P., Jose, P.A., and **Robillard, J.E.**: Ontogeny of renal hemodynamic response to terbutaline and forskolin in sheep. *J Pharmacol Exp Ther* 247(2):453-459, 1988.
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76. Weiner, C.P. and **Robillard, J.E.**: Atrial natriuretic factor, digoxin-like immunoreactive substance, norepinephrine, epinephrine, and plasma renin activity in human fetuses and their alteration by fetal disease. *Am J Obstet Gynecol* 159:1353-1360, 1988.
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215. Guillery, E.N., Nagaraja, S.C., **Robillard, J.E.** (presenter): Role of thyroid hormones in the maturation of renal cortical Na⁺, K⁺, ATPase in fetal guinea pig. Eleventh Congress of the International Pediatric Nephrology Association, London, UK, Sept 13, 1998.*
216. Guillery, E.N., Nagaraja, S.C., **Robillard, J.E.** (presenter): Role of glucocorticoids in the maturation of renal cortical Na⁺, K⁺, ATPase activity in fetal sheep. Eleventh Congress of the International Pediatric Nephrology Association, London, UK, Sept 13, 1998.*
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222. Davisson, R.L., Hoffman, D.S., Butz, G.M., Aldape, G., Kirby, P.A., **Robillard, J.E.**, Merrill, D.C., and Bates, J.N.: A Novel Inbred Murine Model of Pregnancy-Induced Hypertension, submitted as abstract to the annual High Blood Pressure Council meeting, 2001.
223. L.J. Melkerson-Watson, X. Su, and J.E. Robillard. "Proteomic Characterization of the Developing Rat Kidney and the Effect of Maternal Hyperglycemia" 2001 Pediatric Academic Societies Meeting, Baltimore, MD, April 28-May 1, 2001.

224. L.J. Melkerson-Watson, X. Su, and J.E. Robillard. "Effect of Maternal Hyperglycemia on Renal Ontogeny," 8th International Workshop on Developmental Nephrology, Victoria, British Columbia, CAN, August 28-September 1, 2001.
225. L.J. Melkerson-Watson, X. Su, and J.E. Robillard. "Proteomic Characterization of the Developing Rat Kidney and the Effect of Maternal Hyperglycemia" The Twelfth Congress of the International Pediatric Nephrology Association, Seattle, WA, September 1-5, 2001.
226. L.J. Melkerson-Watson, X. Su, and J.E. Robillard. "Differential Phosphorylation in the Redistribution of Na⁺/K⁺-ATPase Polarity During Rat Kidney Nephrogenesis" The Twelfth Congress of the International Pediatric Nephrology Association, Seattle, WA, September 1-5, 2001. Invited paper for oral presentation.
227. L.J. Melkerson-Watson, X. Su, and J.E. Robillard. "Effect of Maternal Hyperglycemia on Renal Ontogeny," American Society of Nephrology/International Society of Nephrology World Congress of Nephrology, San Francisco, CA, October 13-17, 2001.
228. Melkerson-Watson, L.J., Su, X., and Robillard, J.E. "Effect of Maternal Hyperglycemia on Renal Ontogeny using Na⁺/K⁺-ATPase as a Model Protein," Experimental Biology 2002, New Orleans, LA, April 20-24, 2002.
229. Melkerson-Watson, L.J., Su, X., and Robillard, J.E. "Renal Ontogeny During Maternal Hyperglycemia Using Na⁺/K⁺-ATPase as a Model Protein," Pediatric Academic Societies Annual Meeting, Baltimore, Maryland, May 5, 2002. Platform Presentation.

* For abstracts presented at meetings.

ù For abstracts now published as completed manuscripts.

() Refers to the paper published or in press.

EXTRAMURAL INVITED PRESENTATIONS

1978 Department of Pediatrics, UCLA School of Medicine, Los Angeles CA

1979 Harbor General Hospital, UCLA School of Medicine, Torrance CA

1980 Department of Pediatrics, Georgetown University, Washington DC
The American Society of Pediatric Nephrology, San Antonio TX
Society for Pediatric Research Meeting, San Antonio TX
Chairman of the Nephrology Subspecialty Session
First International Workshop on Developmental Renal Physiology, New York
American Society of Nephrology, Philadelphia PA

1981 Pediatric Research Center, University of Montreal
International Perinatal Association Conference, St. Adele, Quebec, Canada
Pfizer Conference, Montreal Clinical Research Institute

1982 European Society for Paediatric Nephrology, 16th Annual Meeting, Stockholm, Sweden
Charleston Area Medical Center, Charleston WV
Hillsborough Country Pediatric Society, Tampa FL

1983 South Jersey Perinatal Cooperative, Camden NJ

- National Institutes of Health, National Heart, Lung and Blood Institute, Bethesda MD,
Juvenile Hypertension Workshop
International Symposium of Pediatric Nephrology, Hanover, Germany
Chairperson, Developmental Renal Physiology Session, International
Symposium of Pediatric Nephrology, Hanover, Germany
Dynamics of Infant Physiology and Nutrition Program, Kalamazoo MI
Department of Pediatrics, State University of New York, Stonybrook NY
Holmes Regional Medical Center, Melbourne FL
- 1984 Children's Hospital, USC, Los Angeles CA
Fetal Medicine and Surgery Society, Washington DC
- 1985 USAF Medical Center, Keesler Air Force Base, Biloxi MS
Society for Gynecology Investigation, Phoenix AZ
Society for Pediatric Research, Annual Meeting, Washington DC
Chairperson: Nephrology Sessions
McKenzie Willamette Hospital, Springfield OR
- 1986 University of Florida, Gainesville FL
- 1987 Guest speaker, Angiotensin Gordon Conference, Santa Barbara CA
Renin Angiotensin System
University of Montreal, Ste-Justine Hospital, Montreal, Canada
Society for Pediatric Research, Annual Meeting, Washington DC
Chairperson: Developmental Pharmacology Sessions
- 1988 Guest speaker: Royal Victoria Hospital, Montreal, Canada
International Society for the Study of Hypertension in Pregnancy, Montreal, Canada
Chairperson of Symposium: Regulation of Fluid and Electrolyte Homeostasis
during Fetal Life
Guest Speaker: American Society of Nephrology, Montreal, Canada
Symposium on Renal Growth and Development
Children's Medical Center, University of Virginia,
Grand Rounds: Neural and humoral control of renal function during development
Guest Speaker: National Kidney Foundation, San Antonio, Texas
Renal Function during Fetal Life
American Society of Nephrology, San Antonio TX;
Chairperson: Symposium on Cellular and Molecular Aspects of Renal Development
- 1989 Iowa State University, Ames, College of Veterinary Medicine
VII Congress of the International Pediatric Nephrology Association, Toronto, Canada,
Symposium: Developmental nephrology
Guest Speaker, Scientific Conference on Neonatal Hypertension, Bethesda MD
American Heart Association Council on Cardiovascular Disease in the Young and the
National Heart, Lung and Blood Institute. Role of atrial natriuretic factor in volume and
hemodynamic regulation
- 1990 Society for Pediatric Research, Presidential State of the Art Symposium: Renal maturation:
Current perspectives and future directions, Anaheim CA
State University of New York at Buffalo: Grand Rounds, Functional Development of the
Kidney: Physiological and Clinical Considerations
Oregon Health Sciences University, Portland OR, Department of Physiology, Research
Seminar, Neurohumoral regulation of renal function during development

- American Society of Nephrology, Washington DC: Chairman of Session on Angiotensin II
- 1991 Perinatal Research Society, Montreal, Quebec, Influence of sympathetic innervation of fluid and electrolyte homeostasis during the transition from fetal to newborn life
Harbor-UCLA Medical Center, Grand Rounds, Sympathetic control of renal function during development
American Society of Nephrology, Baltimore MD, Free Communication, Renal nerves increase renin gene expression and renin secretion
- 1992 University of Illinois at Chicago, The Second Neonatal-Nephrology Conference, Role of sympathetic systems in modifying developmental renal function: clinical implications
FASEB Summer Conference on Renal Hemodynamics, Saxtons River VT, Neural interactions and intrarenal hormones
Fifth International Workshop on Developmental Renal Physiology, Tremezzo, Italy, An overview of the role of the sympathetic innervation on the developing kidney
The Ninth Congress of the International Pediatric Nephrology Association, Jerusalem, Israel, The role of the renin-angiotensin system in regulating renal sympathetic and cardiac baroreflexes during fetal and postnatal life
- 1993 Medical College of Wisconsin, Milwaukee WI, Pfizer Lecture
Neural control of sodium homeostasis during development
American Society of Nephrology, Chairperson, Abstract Review Team: Hormones/Autacoids/ Growth Factors - Growth Factors
University of Montreal, Ste.-Justine Hospital
Renal adaptation during the transition from fetal to newborn life
McGill University, Department of Pediatrics, Arterial baroreflex changes during development
- 1994 University of Chicago, Department of Internal Medicine
Changes in renal sympathetic activity at birth: mechanisms and clinical relevance
University of Wisconsin, Madison, Department of Pediatrics
Anatomical and functional maturation of the fetal kidney
Society for Pediatric Research, Chairperson, Nephrology Platform Presentation, Seattle WA
XII Annual Meeting of Neonatology, Rocourt, Belgium
Water and electrolytes regulation in the fetus and the newborn: new aspects
- 1995 State University of New York at Stony Brook, Nephrology Research Seminar
Neural control of volume regulation during development
State University of New York at Stony Brook, Pediatric Grand Rounds
Maturation of the fetal kidney: anatomical and physiological considerations
New York Society of Nephrology, Neural control of arterial blood pressure and heart rate during development: new concepts and future directions
Albert Einstein College of Medicine, Nephrology Division
Ontogeny of cardiopulmonary and arterial baroreflexes during fetal and postnatal life
North American Pediatric Renal Transplant Cooperative Study, San Francisco
Co-chair session: Growth and Renal Failure”
Society for Pediatric Research, San Diego, California
Chairperson, Developmental Biology Platform Presentation
Sixth International Workshop on Developmental Renal Physiology, Airlie, Virginia
Co-chair session: Renal development and vasoactive agents
Talk: Interaction of CNS and renal function
The Tenth Congress of the International Pediatric Nephrology Association, Santiago, Chile
Co-chair session: Fetal and Neonatal Physiology

- Participate in session: Autocrine and paracrine factors in the regulation of renal function: Renal nerves during ontogeny
- 1996 Mead Johnson Symposium on Perinatal and Developmental Medicine, "Developmental Aspects of Fluid and Electrolyte Homeostasis", Aspen, Colorado, 6/3-6/96
Michigan State Medical Society, "A Social Agenda for Pediatrics", East Lansing, MI, 11/14/96
St. John's Hospital grand rounds, "Hypertension in Children", Detroit, MI, 11/26/96
- 1997 Detroit Children's Hospital grand rounds, "Mechanisms Regulating Blood Pressure During the Transition from Fetal to Newborn Life", Detroit, MI, 2/97
University of Rochester, external consultant for the Division of Pediatric Nephrology, Rochester, NY, 4/97
National Institutes of Health (NICHD), ad hoc study section: Child Health Research Center, Bethesda, MD, 4/97
Royal College of Medicine, Guest Speaker, Vancouver, Canada, 9/25-26/97.
- 1998 The University of Texas Health Science Center at San Antonio, Physiology Seminar, "Ontogeny of Arterial and Cardiopulmonary Baroreflex", San Antonio, TX, 1/25-27/98.
Society for Gynecologic Investigation/Fetal Physiology Research Symposium, Atlanta, GA, 3/10-11/98.
Kalamazoo Center for Medical Studies, grand rounds, Kalamazoo, MI, 4/3/98
University of Virginia Health System, "A Celebration of Chairs", Scientific Session Guest Speaker, Charlottesville, VA, 5/9-11/98.
2eme Symposium Internatinal de Nephrologie Perinatale, "Fetal Renal Development and Evaluation of Fetal Renal Function", Lausanne, Switzerland, 6/26-28/98.
Eleventh Congress of the International Pediatric Nephrology Association, "Assessment of Fetal Renal Function", London, UK, 9/13/98.
Henry Ford Hospital grand rounds, "Water Channels in Normal and Pathological", Detroit, MI, 10/8/98
- 1999 Invited participant, ASPN-NIDDK Task Force of Pediatric Nephrology, Washington, DC, 1/27/99
Co-Chair, APS Work Group on Development of Pediatric Leadership for the Future, Pediatric Academic Societies annual meeting, San Francisco CA, 4/30 – 5/01/99.
Co-Moderator, "Lineage and Differentiation of the Developing Nephron", American Society of Nephrology Annual Meeting, Miami Beach FL, 11/5/99.
- 2000 Guest Speaker, "What is the Pediatric Scientist Development Program?" Resident Research Grant Program Breakfast, American Academy of Pediatrics annual meeting, Chicago IL 10/28/00
- 2001 Guest Speaker, Association of Administrators in Academic Pediatrics, Toronto ON. Canada, 5/15/01
Co-Chair, "Role of Aquaporins in the Regulation of Water Metabolism," Eighth International Workshop on Developmental Nephrology: Genes, Morphogenesis and Function (a program of International Pediatric Nephrology Association), Victoria, BC Canada, 8/31/01.
- 2002 Guest Speaker, Association of Medical School Pediatric Department Chairs, New Chair's Management Workshop. "People Skills", Marco Island FL, 3/8/02

Jean E. Robillard, M.D.
11/16/04

Guest Speaker, Midwest Society of Pediatrics – Founders Award presentation: “Shaping the Future”,
Chicago, IL, 11/02