

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.  
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Gupta, Indra Rani	POSITION TITLE Assistant Professor, Dept. of Pediatrics Associate Member, Dept. of Human Genetics and Experimental Medicine		
eRA COMMONS USER NAME			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
University of Alberta, Edmonton, Alberta	B.Med.Sci.	1985	Medical Sciences
University of Alberta, Edmonton, Alberta	MD	1988	Medicine
McMaster University, Hamilton, Ontario	Pediatrics	1993	Pediatrics
Hospital for Sick Children, Toronto, Ontario	Ped. Nephrology	1998	Pediatric Nephrology

Please refer to the application instructions in order to complete sections A, B, and C of the Biographical Sketch.

**A. Positions and Honors.****Positions and Employment**

1988-1989 Rotating Intern, McMaster University, Hamilton, Ontario  
 1990-1993 Resident and Chief Resident in Pediatrics, McMaster University, Hamilton, Ontario  
 1993-1994 Pediatric Nephrology Fellow, University of Toronto, Hospital for Sick Children, Toronto, Ontario  
 1994-1996 Nephrology Research Fellow, Heart and Stroke Research Fellowship, University of Toronto (Laboratory of Dr. K. Skorecki)  
 1996-1998 Nephrology Research Fellow, Restracom Research Fellowship, University of Toronto (Laboratory of Dr. N. Rosenblum)  
 1998-present Assistant Professor, Dept. of Pediatrics, McGill University, Montreal, Quebec  
 2000-present Associate Member, Dept. of Human Genetics, McGill University  
 2000-present Associate Member, Dept. of Experimental Medicine, McGill University

**Awards and Experience:**

1994-1996 Heart and Stroke Research Fellowship  
 1996-1998 Restracom Research Fellowship  
 1998-Best Trainee Abstract Canadian Society of Nephrology Meeting, Toronto, Ontario  
 1999-present Lecturer, Dept. of Biology, Developmental Mammalian Genetics, McGill University  
 1999-present Research Director, Pediatric Nephrology Training Program, Montreal Children's Hospital  
 2000-present Lecturer, Dept. of Physiology, Advanced Kidney and Electrolyte Physiology, McGill University  
 2000-2004 Recipient Salary Award-FRSQ chercheur-boursier clinicien with \$10,000 equipment grant  
 2000-2003 Judge for Annual Research Day, Montreal Children's Hospital Research Institute  
 2000-present Lecturer, Dept. of Pediatrics, Montreal Children's Hospital  
 2000-present Member of supervisory committees for 10 graduate students, McGill University  
 2001-present Lecturer, Dept. of Human Genetics, Advances in Human Genetics, McGill University  
 2001-present Journal reviewer, *Pediatric Research*  
 2001-present Grant reviewer, the Kidney Foundation of Canada  
 2001-present Lecturer, Dept. of Medicine, Renal Physiology, McGill University  
 2001-present Member of Graduate Training Committee, Dept. of Human Genetics, McGill University  
 2002-present Member of Kidney Foundation of Canada Biomedical Scientific Committee  
 2002-present Member of Animal Care Committee, Montreal Children's Hospital Research Institute  
 2004-present Journal reviewer, *Development*

2004-present Journal reviewer, *JASN*

2004-present Journal reviewer, *Pediatric Nephrology*

2004-2008 Recipient Salary Award-FRSQ chercheur-boursier clinicien

2005-present Abstract reviewer for the American Society of Nephrology meeting in the category of Heredity/Genetics/Development:Developmental Biology/Stem Cells.

### **Professional Memberships:**

i). Fellow of the Royal College of Physicians and Surgeons of Canada –1999-2006

ii). Member of the American Society of Nephrology-1998-2006.

iii) Member of the Canadian Society of Pediatric Nephrologists-1999-2006.

iv) Member of the Canadian Society of Nephrologists-1999-2006.

v) Member of the American Physiological Society-2004-2006.

### **B. Peer-reviewed publications in chronological order:**

1. Blowey DL, Balfe JW, **Gupta IR**, Gajaria MM, Koren G Midodrine efficacy and pharmacokinetics in a patient with recurrent intradialytic hypotension. *Am J Kidney Dis.* 1996 Jul; 28(1):132-6.
2. **Gupta IR**, Chait P, Rosenblum ND Spontaneous resolution of upper urinary tract obstruction in an anuric premature neonate. *Pediatr Nephrol.* 1996 Aug; 10(4):544-5.
3. Piscione TD, Yager TD, **Gupta IR**, Grinfeld B, Pei Y, Attisano L, Wrana JL, Rosenblum ND BMP-2 and OP-1 exert direct and opposite effects on renal branching morphogenesis. *Am J Physiol*, 1997 Dec, 273:6 Pt 2, F961-75.
4. **Gupta IR**, Tsui A, Siegel-Bartelt J, Thorner P, Balfe JW Cutaneous telangiectasias, sparse hair and type I membranoproliferative glomerulonephritis. *Pediatr Nephrol.* 1999 Feb;13(2):129-131.
5. **Gupta IR**, Piscione TD, Grisar S, Phan T, Macias-Silva M, Zhou X, Whiteside C, Wrana JL, Rosenblum ND Protein Kinase A: a negative regulator of renal branching morphogenesis which modulates inhibitory and stimulatory BMPs. *J Biol Chem.* 1999 Sep. 10;274(37):26305-26314.
6. **Gupta IR**, Macias-Silva M, Kim S, Zhou X, Whiteside C, Wrana JL, Rosenblum ND BMP-2/ALK 3 and HGF Signal in Parallel to Regulate Renal Collecting Duct Morphogenesis, *J Cell Sci.* 2000 Jan.;113 Pt.2:269-78.
7. Parvex P\*, Pinsk M\*, Bell L, Patenaude Y, O’Gorman A, **Gupta IR** Reversible encephalopathy secondary to tacrolimus use in pediatric renal transplants-*Pediatr Nephrol.* 2001 Jul.;16(7): 537-542.
8. Hanna WC\*, **Gupta IR** Transient Inhibition of SMAD1/SMAD4 Translation Using Antisense Oligodeoxynucleotides in vitro, *McGill Journal of Medicine*, 2003, Vol.7 No. 1, p.7.
9. **Gupta IR**, Lapointe M, Yu OH\* Morphogenesis during Mouse Embryonic Kidney Culture, *Kidney Int.* 2003 Jan.;63(1):365-76. Funded in part by the **March of Dimes**-02/00-01/02 and in part by **KFOC**-07/00-06/02.
10. Vrljicak P\*, Myburgh D, Ryan AK, van Rooijen MA, Mummery CL and **Gupta IR**, Smad Expression during Kidney Development, *Am J of Physiol Renal Physiol.* 2004 Apr.;286(4):F625-33. Funded by the **KFOC**-07/00-06/02.
11. Zappitelli M\*, Duffy C, Bernard C, Scuccimarri R, Duffy K, Kagan R, **Gupta IR**, Clinicopathologic Study of the WHO Classification in Childhood Lupus Nephritis, *Pediatr Nephrol.* 2004 May;19(5):503-10.
12. Yu OH\*, Murawski I\*, Myburgh D, **Gupta IR**, Overexpression of RET leads to vesico-ureteric reflux in mice. *American Journal of Physiol Renal Physiol* 287:F1123-F1130, 2004.
13. Murawski IJ\*, **Gupta IR**, Vesicoureteric reflux and renal malformations: a developmental problem. *Clinical Genetics* in press, 2006.