

BIOGRAPHICAL SKETCH

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NAME Richard J. Grand	POSITION TITLE Professor of Pediatrics		
eRA COMMONS USER NAME RGRAND			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
Harvard College, Cambridge, MA	AB	1958	English Literature
New York University School of Medicine New York, NY	MD	1962	Medicine

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

1962-63 Intern, Pediatrics, Bellevue Hospital, New York, NY
 1963-64 Junior Assistant Resident, Pediatrics, Children's Hospital, Boston, MA
 1964-66 Clinical Assoc., Pediatric Metabolism, Nat. Inst. Arthritis/Metabolic Diseases, NIH, Bethesda, MD
 1966-67 Senior Assistant Resident, Pediatrics, Children's Hospital, Boston, MA
 1967-69 Postdoctoral Fellow, Dept. Biology and Dept. Nutrition and Food Science, MIT, Cambridge, MA
 1969-70 Clinical and Research Fellow in Gastroenterology, Massachusetts General Hospital, Boston, MA
 1969-70 Research Fellow in Medicine, Harvard Medical School, Boston, MA
 1970-76 Assistant Professor of Pediatrics, Harvard Medical School, Boston, MA
 1970-76 Associate in Medicine, Associate in Clinical Nutrition, Children's Hospital, Boston, MA
 1971-76 Assistant Pediatrician, Boston Hospital for Women, Boston, MA
 1975-79 Chief, Division of Gastroenterology and Nutrition, Children's Hospital, Boston, MA
 1976-82 Associate Professor of Pediatrics, Harvard Medical School, Boston, MA
 1976-82 Senior Associate in Medicine, Children's Hospital, Boston, MA
 1982-01 Chief, Division of Pediatric Gastroenterology and Nutrition, New England Medical Center, Boston
 Floating Hospital for Children, Boston, MA
 1982-01 Professor of Pediatrics, Tufts University School of Medicine, Boston, MA
 2001- Director, Center for Inflammatory Bowel Disease, Children's Hospital, Boston, MA
 2001- Professor of Pediatrics, Harvard Medical School
 2002- Program Director, General Clinical Research Center, Children's Hospital, Boston, MA

Other Experience and Professional Memberships

1984-86 President, North American Society for Pediatric Gastroenterology
 1987-90 General Medicine A-2 Study Section, National Institutes of Health, Bethesda, MD
 1988-90 Chairman, General Medicine A-2 Study Section, National Institutes of Health, Bethesda, MD
 1998-03 NIDDK-C Study Section, National Institutes of Health, Bethesda, MD
 2001-03 Chairman, NIDDK-C Study Section, National Institutes of Health, Bethesda, MD

Honors

1969-70 National Research Service Award, National Institutes of Health, Bethesda, MD
 1972-76 Academic Career Development Award #5 K07 AM44590, U.S. Public Health Service
 1993 Harry Shwachman Award, North American Society for Pediatric Gastroenterology and Nutrition
 1997 Distinguished Faculty Award, Tufts University School of Medicine
 2000 Faculty Honors, Tufts University, Medford, MA
 2001 Murray Davidson Award, American Academy of Pediatrics
 2001 Nutrition Award, American Academy of Pediatrics
 2002 Honorary Alumnus Member, Alpha Omega Alpha (AOA), New York University Chapter
 2003 Leadership Award, National Board of Directors, Crohn's and Colitis Foundation of America

B. Selected peer-reviewed publications (from 230, in chronological order)

1. Ramakrishna J, Langhans N, Calenda K, **Grand RJ**, Verhave M. Combined use of cyclosporine and azathioprine or 6-mercaptopurine in pediatric inflammatory bowel disease. *J Pediatr Gastroenterol Nutr.* 1996;22(3):296-302.
2. **Grand RJ**, Ramakrishna J, Calenda KA. Therapeutic strategies for pediatric Crohn's disease. *Clin Invest Med.* 1996;19:373-380.
3. Montgomery RK, Rings EHHM, Thompson JF, Schuijt CC, Wielenga VJM, Kothe MJC, Büller HA, **Grand RJ**. Initiation of differentiation marker mRNA synthesis is correlated with enterocyte morphogenesis and preceded by an upsurge in expression of C/EBP in the fetal rat small intestine. *Am J Physiol.* 1997;272:G534-44.
4. FitzSimmons SC, Burkhart GA, Borowitz D, Hammerstrom T, Durie PR, Lloyd-Still JD, **Grand RJ**, Lowenfels AB. High dose pancreatic enzyme supplements and fibrosing colonopathy in children with cystic fibrosis. *New Engl J Med.* 1997;336:1283-9.
5. Krasinski SD, Upchurch BH, Irons SJ, Mishra K, **Grand RJ**, Verhave M. The rat lactase-phlorizin hydrolase gene directs appropriate cell- and crypt/villus-specific expression in transgenic mice. *Gastroenterology.* 1997;113:844-855.
6. Barth JA, Li W, Krasinski SD, Montgomery RK, Verhave M, **Grand RJ**. Asymmetrical localization of mRNAs in enterocytes of human jejunum. *J Histochem Cytochem.* 1998;46(3):335-343.
7. Klein S, Alpers D, **Grand RJ**, Levin M, Lin H, Mansbach C, Burant C, Reeds P, Rombeau J. Advances in nutrition and gastroenterology: Summary of the 1997 ASPEN Research Workshop. *JPEN.* 1998;22(1):3-13.
8. Li W, Krasinski SD, Verhave M, Montgomery RK, **Grand RJ**. Three distinct mRNA distribution patterns in human jejunal enterocytes. *Gastroenterology.* 1998;115:86-92.
9. Montgomery R, Mulberg A, **Grand RJ**. Development of the human gastrointestinal tract - twenty years of progress. *Gastroenterology.* 1999;116:702-731.
10. Integlia MJ, Shashidhar H, Calenda KA, **Grand RJ**. Clinical manifestations of pediatric inflammatory bowel disease. In: Kirsner JB, Shorter RG, editors. *Inflammatory Bowel Disease.* Baltimore: Williams and Wilkins; 2000, ed 5. 326-334.
11. Li W, Sun H, Montgomery RK, Matsudaira P, Coluccio LM, **Grand RJ**. Characterization of human brush border myosin I cDNA and basal localization of its mRNA in jejunal enterocytes. *J Histochem Cytochem.* 2000;48:89-94.
12. Krasinski S, van Wering H, Tannemaat M, **Grand R**. Differential activation of intestinal gene promoters: Demonstration of functional interactions between GATA-5 and HNF-1a. *Am J Physiol – Gastro Liver* 2001;281:G-69-84.
13. **Grand RJ**. Controversies in IBD (guest editor): Anti-TNF therapies have eliminated the need for steroids in pediatric Crohn's disease. *IBD.* 2001;7:338-341.
14. vanWering HM, Huibregtse IL, vanderZwan SM, deBie MS, Dowling LN, Boudreau F, Rings EHHM, **Grand RJ**, Krasinski SD. Physical interaction between GATA-5 and Hepatocyte Nuclear Factor 1 α results in synergistic activation of the human lactase phlorizin hydrolase promoter. *J Biol Chem* 2002; 277: 27659-27667.
15. Boudreau F, Rings EHHM, vanWering HM, Kim RK, Swain GP, Krasinski SD, MoffettJ, **Grand RJ**, Suh ER, Traber PG. Hepatocyte nuclear factor 1 α , GATA-4, and caudal related homeodomain protein Cdx2 interact functionally to modulate intestinal gene transcription. Implication for the developmental regulation of the sucrase-isomaltase gene. *J Biol Chem* 2002; 277: 31909-31917.
16. Houle VM, Li W, Montgomery RK, **Grand RJ**. Messenger RNA localization in polarized intestinal epithelial cells. *Am J Physiol Gastro Liver* 2003; 284: G722-G727.
17. **Grand RJ**, Montgomery RK, Chitkara DK, Hirschhorn JN. Changing genes; losing lactase (invited commentary). *GUT* 2003; 52: 617-619.
18. Escher JC, Taminiou JA, Nieuwenhuis EE, Buller HA, **Grand RJ**. Treatment of inflammatory bowel disease in childhood: best available evidence. *Inflammatory Bowel Diseases* 2003; 9: 34-58.
19. Pappa HM, Semrin G, Walker TR, **Grand RJ**. Pediatric inflammatory bowel disease. *Curr Opin Gastroenterol* 2004; 20: 333-340.
20. van Wering HM, Bosse T, Musters A, de Jong E, de Jong N, Hogen Esch CE, Boudreau F, Swain GP, Dowling LN, Montgomery RK, **Grand RJ**, Krasinski SD. Complex regulation of the lactase-phlorizin hydrolase promoter by GATA-4. *Am J Physiology - Gastro Liver* 2004; 287:G899-909.

21. Verhave M, Krasinski SD, Christian SI, Van Schaik S, Van Den Brink GR, Doting EMH, Maas SM, Wolthers KC, **Grand RJ**, Montgomery RK: Regulatory regions in the rat lactase-phlorizin hydrolase gene that control cell-specific expression. *J Pediatr Gastroenterol Nutr* 2004; 39: 275-285.
22. Islam S, Montgomery RK, Fialkovich JJ, **Grand RJ**. Developmental and regional expression and localization of mRNAs encoding proteins involved in RNA translocation. *J Histochem Cytochem* 2005; 53: 1501-1509.
23. Calenda KA, Schornagel IL, Sadeghi-Nejad A, **Grand RJ**. Effect of recombinant growth hormone treatment on children with Crohn's disease and short stature: a pilot study. *Inflamm Bowel Dis* 2005; 11: 435-441.
24. Bosse T, van Wering HM, Gielen M, Dowling LN, Fialkovich JJ, Piaseckyj CP, Gonzalez FJ, Akiyama TE, Montgomery RK, **Grand RJ**, Krasinski SD. Hepatocyte nuclear factor-1 α is required for expression, but dispensable for histone acetylation of the lactase-phlorizin hydrolase gene in vivo. *Am J Physiol* 2006; 290:G1016-G1024.
25. Pappa HM, **Grand RJ**, Gordon CM. Report on vitamin D status of adult and pediatric patients with inflammatory bowel disease and its significance for bone health and disease. *Inflamm Bowel dis.* 2006; 12: 1162-74.
26. Semrin G, Fishman DS, Bousvaros A, Zholudev A, Saunders AC, Correia CE, Nemeth E, **Grand RJ**, Weinstein DA. Impaired Intestinal iron absorption in Crohn's disease correlates with disease activity and markers of inflammation. *Inflamm Bowel dis* 2006; 12: 1101-6.
27. Pappa HM, Gordon CM, Saslowsky TM, Zholudev A, Horr B, Shih MC, **Grand RJ**. Vitamin D status in Children and young adults with inflammatory bowel disease. *Ped* 2006; 5: 1950-61.
28. Saeed SA, Integlia MJ, Pleskow RG, Calenda KA, Rohrer RJ, Dayal Y, **Grand RJ**. Tacrolimus-associated eosinophilic gastroenterocolitis in pediatric liver transplant recipients: role of potential food allergies in pathogenesis. *Pediatr Transplant*; 2006; 10: 730-5