

BIOGRAPHY

29/06/2012



Title and name

Prof. Roberto Berni Canani, MD, PhD

Nationality

Italian

Panel

Dietetic Products, Nutrition and Allergies (NDA)

Education

- Research fellowship at Division of Paediatric Gastroenterology and Nutrition, University of Harvard, Boston, USA in 2012
 - Research fellowship at Division of Paediatric Digestive Diseases, University of Chicago, Chicago, USA in 2002
 - PhD in Paediatric Sciences on the pathophysiology of paediatric gastroenterology and nutrition in 1991 at the Department of Paediatrics University of Naples Federico II.
 - Graduated Medical Doctor at the School of Medicine- University of Naples Federico II, in 1989;
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Scientific and risk assessment experience

- Neonatal and Infant nutrition
 - Functional nutrients
 - Preventive nutrition
 - Nutritional immunology
 - Epigenetics
 - Gastrointestinal tract development and function
 - Allergy, gastrointestinal diseases, autoimmunity, inborn errors of metabolism, infectious diseases
 - Probiotics, prebiotics, synbiotics, postbiotics
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Main scientific publications

120 full papers in peer reviewed journals with Impact Factor and Immediacy Index (Total Impact Factor: 434,009), and 32 book's chapters, mainly focused on paediatric gastroenterology and nutrition, food allergy, infectious diseases.

The 10 most relevant papers are:

Berni Canani R, Cirillo P, Buccigrossi V, Ruotolo S, Passariello A, De Luca P, Porcaro F, Polito G, Guarino A. Zinc inhibits Cholera toxin-induced, but not E.coli heat-stable enterotoxin-induced, ion secretion in human enterocytes J Infect Dis, 2005;191:1072-1077.

Berni Canani R, Cirillo P, Roggero P, Romano C, Malamisura B, Terrin G, Passariello A, Manguso F, Morelli L, Guarino A. Therapy with Gastric Acidity inhibitors increases the risk of acute gastroenteritis and pneumonia in children. *Pediatrics* 2006;117:e817-20.

Berni Canani R, Terrin G, Borrelli O, Romano MT, Manguso F, Coruzzo A, D'Armiento F, Romeo EF, Cucchiara S. Short and long-term therapeutic efficacy of nutritional therapy and corticosteroids in paediatric Crohn's disease. *Dig Liver Dis*, 2006, 38;381-387.

Berni Canani R, Cirillo P, Terrin G, Cesarano L, Spagnolo MI, De Vincenzo A, Albano F, Passariello A, De Marco G, Manguso F, Guarino A. Probiotics for the treatment of acute gastroenteritis: a randomized clinical trial with five different preparations. *BMJ*, 2007;335:340-345

Berni Canani R, Passariello A, Buccigrossi V, Guarino A. The nutritional modulation of the evolving intestine. *J Clin Gastroenterol*. 2008;42 Suppl 3 Pt 2:S197-200.

Terrin G, Passariello A, Berni Canani R, Manguso F, Paludetto R, Cascioli C. Minimal enteral feeding reduces the risk of sepsis in feed intolerant very low birth weight newborns. *Acta Paediatr* 2009;98:31-5.

Esposito E, Iacono A, Bianco G, Autore G, Cuzzocrea S, Vajro P, Berni Canani R. Probiotics reduce the inflammatory response induced by a high-fat diet in the liver of young rats. *J Nutr*. 2009;139:905-11.

Berni Canani R, Buccigrossi V, Passariello A. Mechanisms of action of zinc in acute diarrhea. *Curr Opin Gastroenterol*. 2011;27:8-12

Berni Canani R, Di Costanzo M, Leone L, Bedogni G, Agostoni C, Cianfarani S, Brambilla P, Pietrobelli A, Nobili V. Epigenetic mechanisms elicited by nutrition in early life. *Nutr Res Rev* 2011; 18:1-8

Berni Canani R, Nocerino R, Terrin G, Coruzzo A, Cosenza L, Leone L, Troncone R. Effect of *Lactobacillus GG* on tolerance acquisition in infants with cow's milk allergy: A randomized trial. *J Allergy Clin Immunol* 2012;129:580-582.
