

Establishment of <i>Bifidobacterium bifidum</i> in the intestine of human neonates: relationship with the bifidus-factors found in the stools. <i>S. Hudault, C. Bridonneau, P. Raibaud, C. Chabanet &amp; M. F. Vial</i>	120A
Maintaining the patterns of human milk-induced gut microflora after supplementary feeding of beikost. <i>B. Kleefjen &amp; H.-J. Zunft</i>	121A
Chemical characteristics of insoluble dietary fibre from sea-lettuce ( <i>Ulva lactuca</i> ). <i>D. Jegou &amp; M. Lahaye</i>	122A
Starch hydrolysis in the rabbit intestine and effect on fibre degradation. <i>T. Gidenne &amp; J. M. Perez</i>	123A
The adaptive response of the alimentary tract of the rat to soluble non-starch polysaccharide (NSP) components of oats. <i>E. K. Lund, S. R. R. Musk &amp; I. T. Johnson</i>	124A
Growth of bifidobacteria in continuous culture. <i>X. Wang &amp; G. R. Gibson</i>	125A
High bacterial counts in the proximal small intestine: an unexpected finding in normal cats. <i>K. Johnston, R. M. Batt, A. Lampion, O. Ballèvre, &amp; E. Fern</i>	126A
Adaptation to high-fat diets: Effect on plasma cholecystokinin (CCK) and food intake. <i>S. J. French, R. Fadzlin, B. Murray, R. D. E. Rumsey &amp; N. W. Read</i>	127A
Moderate exercise prior to ingestion of a high-fat meal decreases postprandial lipidaemia. <i>H. E. Aldred, F. D. Lockwood &amp; A. E. Hardman</i>	128A
Tracer investigation of taurine metabolism in cats. <i>O. Ballèvre, C. Piguet, A. Staempfli, G. L. Czarnecki &amp; K. Acheson</i>	129A
The chronic and acute effects of tryptophan (TRP) on hormones of the enteroinsular axis. <i>A. A. Ponter, B. Seve &amp; L. M. Morgan</i>	130A
Differential effects of dietary proteins on protein synthesis activity in several tissues of newborn lambs. <i>P. Patureau Mirand, M. C. Valluy, L. Mosoni &amp; G. Bayle</i>	131A
Nutritional value of lentils and effect of cooking on free amino acid tissue concentrations of growing rats. <i>E. Combe &amp; M. Cvirn</i>	132A
Metabolic characteristics of isolated colonocytes: modulation by dietary fibre or by the colonic microflora. <i>C. Cherbuy, B. Darcy-Vrillon, M. T. Morel, A. Borlet, F. Blachier &amp; P. H. Dué</i>	133A
Alteration by lymphokines of the epithelial function and barrier capacity of the human colon carcinoma cell line HT29-C119A. <i>M. Heyman, A. Hirribaren, A. L'Helgouac'h &amp; J. F. Desjeux</i>	134A
Interleukin-2 and T-lymphocytes in mice fed on a legume diet. <i>J. Larralde, M. L. Esparza &amp; J. A. Martinez</i>	135A
Antigenic soya-bean protein digestion in the dairy calf at weaning. <i>H. M. Tukur, J. P. Lalles &amp; R. Toullec</i>	136A
Pancreas enlargement induced in rats by long-term consumption of dietary legume proteins. <i>G. Grant, P. M. Dorward, S. Bardocz &amp; A. Puszta</i>	137A
Use of chemical treatments to reduce antinutritional effects of tannins of salseed ( <i>Shorea robusta</i> ) meal in diets of broiler chickens. <i>S. Mahmood &amp; R. Smithard</i>	138A
Effect of pea intake on bone protein synthesis and immunoreactive IGF. <i>J. A. Martinez, R. Marcos, M. T. Macarulla &amp; J. Larralde</i>	139A
Soya-bean glycinin and B-conglycinin resistance to digestion in the preruminant calf. <i>C. Mathis, J. P. Lalles, I. Caugant &amp; R. Toullec</i>	140A
Effect of soya-bean trypsin inhibitors in the diet on trypsin activities in pancreatic tissue and ileal digesta and trypsin inhibitor activity in small intestinal digesta of piglets. <i>H. Schulze, J. Huisman, M. W. A. Verstegen &amp; P. van Leeuwen</i>	141A
D-Xylose absorption test for malabsorption in tapeworm-infected sheep. <i>J. N. Swart, H. J. Fourie &amp; P. C. van Skalwyk</i>	142A
Antigen specificity and cross-reactivity of fifteen monoclonal antibodies against porcine pancreatic $\alpha$ -amylase II, and its AB and C domains. <i>J. Fueri, C. Fueri, G. Ferrey, J.-C. Chaix &amp; G. Marchis-Mouren</i>	143A
Response of pancreatic lipase to graded levels of dietary tallow in the weaned piglet. <i>T. C. Reis de Souza, J. Peiniau &amp; A. Aumaitre</i>	144A
Pancreatic nutritional adaptation in calves: effect of pea flour incorporation in the milk substitute. <i>G. Le Drean, I. Le Huerou-Luron, V. Philouze, R. Toullec &amp; P. Guilloteau</i>	145A
Effects of inulin on goblet cell distribution and mucin type in the hindgut of heteroxenic rats. <i>J. C. Meslin, N. Fontaine &amp; C. Andrieux</i>	146A
Amino acid losses in ileostomy fluid on a protein-free diet. <i>M. F. Fuller, A. Milne, C. I. Harris, T. M. S. Reid &amp; R. Keenan</i>	147A
Analytical characterization by reverse-phase HPLC of products obtained by <i>in vitro</i> enzymic hydrolysis of whey proteins with gastric and pancreatic proteases. <i>T. Lengagne, T. Efstathiou, L. Roger &amp; F. Mendy</i>	148A
The use of ruminal indigestible neutral detergent fibre to study intradiurnal variation of digestion and outflow of rumen dry matter (RDM) in sheep fed <i>ad lib.</i> on lucerne hay. <i>R. Baumont &amp; J. Jamot</i>	149A
Distribution and post-prandial variations of the activity of polysaccharide-degrading enzymes in rumen micro-organisms. <i>C. Martin &amp; B. Michalet-Doreau</i>	150A
Effect of lipid supply in the diet of cows on calcium and magnesium pools in the rumen. <i>A. Fertay &amp; M. Doreau</i>	151A
Short-chain fatty acids (SCFA) and colonic motility: influence on segmental motor patterns. <i>P. E. Squires, R. D. E. Rumsey &amp; N. W. Read</i>	152A
Contribution of intestinal microflora to lysine requirements in non-ruminants. <i>D. Torrallardona, C. I. Harris, E. Milne &amp; M. F. Fuller</i>	153A
Effect of inulin on the fermentation profile in rats associated with human flora from low-, high- and non-methane producers. <i>C. Andrieux, S. Lory, N. Roland &amp; O. Szlyt</i>	154A
Effects of colonic fermentation on respiratory gas exchanges following a glucose load in man. <i>P. Ritz, D. Cloarec, M. Beylot, M. Champ, B. Charbonnel, S. Normand &amp; M. Krempf</i>	155A
Adaptation to two doses of lactulose by human colonic flora in continuous culture. <i>V. Ducros, M. Durand, P. Beaumatin, G. Hannequart, C. Cordelet, &amp; J. P. Grivet</i>	156A

[Continued on previous page]

CAMBRIDGE UNIVERSITY PRESS

The Pitt Building, Trumpington Street, Cambridge CB2 1RP  
 40 West 20th Street, New York, NY 10011-4211, USA  
 10 Stamford Road, Oakleigh, Melbourne 3166, Australia

Printed in Great Britain by Lampart Gilbert Ltd., Reading, England

<https://doi.org/10.1079/PNS19930077> Published online by Cambridge University Press

CONTENTS

SYMPOSIUM PROCEEDINGS

	PAGE
<i>Trinity College, Dublin</i> 15-19 JULY 1992 <b>THE NESTLÉ LECTURE</b> <i>Chairman: R. G. WHITEHEAD, MRC Dunn Nutrition Unit, Cambridge</i>	
Chronic undernutrition and metabolic adaptation. <i>P. S. Shetty</i>	267-284
<i>Octagon Centre, Sheffield</i> 12 SEPTEMBER 1992 <b>PERINATAL NUTRITION</b> <i>Chairman: Professor STUART TANNER, University of Sheffield, Sheffield</i>	
Micronutrient deficiencies in the preterm neonate. <i>H. J. Powers</i>	285-291
<i>Ecole Nationale de la Santé Publique, Rennes</i> 9-11 SEPTEMBER 1992 <b>THE DIGESTIVE TRACT IN NUTRITIONAL ADAPTATION</b> <i>Chairman: Dr. G. MACFARLANE, MRC Dunn Nutrition Unit, Cambridge</i>	
Genetic regulation of enterocyte differentiation. <i>M. W. Smith</i>	293-300
Molecular aspects of enzyme synthesis in the exocrine pancreas with emphasis on development and nutritional regulation. <i>I. le Huerou-Luron, E. Lhoste, C. Wicker-Planquart, N. Dakka, R. Toullec, T. Corring, P. Guilloreau &amp; A. Puigserver</i>	301-313
Dietary regulation of intestinal nutrient carriers. <i>B. H. Hirst</i>	315-324
Influence of the weaning diet on the changes of glucose metabolism and of insulin sensitivity. <i>J. Girard, T. Issad, J. Maury, F. Fougelle, C. Postic, A. Leturque &amp; P. Ferre</i>	325-333
Nutritional supply of proteins and absorption of their hydrolysis products: consequences on metabolism. <i>A. A. Rérat</i>	335-344
Manipulation of the gut microflora: experimental approach in animals. <i>G. Fonty, P. Raibaud &amp; Ph. Gouet</i>	345-356
Manipulation of the human gut microflora. <i>J. C. Rambaud, Y. Bouhnik, P. Marteau &amp; P. Pochart</i>	357-366
Factors affecting fermentation reactions in the large bowel. <i>G. T. MacFarlane &amp; S. MacFarlane</i>	367-373
Interactions between nutrition and the intestinal microflora. <i>C. Edwards</i>	375-382

ABSTRACTS OF COMMUNICATIONS

<i>Ecole Nationale de la Santé Publique, Rennes</i> 9-11 SEPTEMBER 1992	
Involvement of sugar composition of dietary fibre in formation of short-chain fatty acids during <i>in vitro</i> fermentation with human microflora. <i>V. Salvador, C. Cherbut, J. L. Barry, C. Bonnet &amp; J. Delort-Laval</i>	116A
Enumeration of bacteria forming acetate from H <sub>2</sub> and CO <sub>2</sub> and other H <sub>2</sub> -utilizing micro-organisms from the digestive tract of animals and man. <i>J. Doré, B. Morvan, P. Pochart, I. Goderel, F. Rieu-Lesme, G. Fonty, J.-C. Rambaud &amp; P. Gouet</i>	117A
Competition for hydrogen between methanogenesis and hydrogenotrophic acetogenesis in human colonic flora studied by <sup>13</sup> C NMR. <i>A. Bernalier, E. Doisneau, C. Cordelet, P. Beaumatin, M. Durand &amp; J. P. Grivet</i>	118A
The intestinal adaptive response of the rat to soluble non-starch polysaccharides is partially dependent on dietary fat. <i>J. D. Pell, J. M. Gee &amp; I. T. Johnson</i>	119A

[Continued on p. iii of wrapper]

CAMBRIDGE  
UNIVERSITY PRESS



0029-6651(199310)52:3;1-P