

# BIOGRAPHY

19/07/2012



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**Title and name**

Prof Daniel TOMÉ

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**Nationality**

French

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**Panel**

Dietetic Products, Nutrition and Allergies (NDA)

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**Education**

- Master of Science, 1976, Paris;
  - PhD, 1984, Nantes University.
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**Scientific and risk assessment experience**

- Protein and energy requirement and homeostasis in relation with metabolic dysfunctions
  - Protein and gut physiology and metabolism;
  - Endocrine and nutritional regulation of protein turnover, intermediary metabolism, energy metabolism and body composition ;
  - Relations between human nutrition, human health, and nutrition policy
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**Main scientific publications**

More than 250 papers in peer review journals: Protein and energy requirements, Nutrient requirements; Endocrine and nutritional regulation of metabolism, body composition, Central control of food intake, Metabolic syndrome

Mimoun S, Andriamihaja M, Chaumontet C, Atanasiu C, Benamouzig R, Blouin JM, Tomé D, Bouillaud F, Blachier F. 2012. Detoxification of h(2)s by differentiated colonic epithelial cells: implication of the sulfide oxidizing unit and of the cell respiratory capacity. Antioxid Redox Signal. Jul 1;17(1):1-10.

Chevalier L, Bos C, Azzout-Marniche D, Fromentin G, Mosoni L, Hafnaoui N, Piedcoq J, Tomé D, Gaudichon C. 2012. Energy restriction only slightly influences protein metabolism in obese rats, whatever the level of protein and its source in the diet. Int J Obes (Lond). 2012 Feb 21.doi: 10.1038/ijo.2012.19.

Griffioen-Roose S, Mars M, Siebelink E, Finlayson G, Tomé D, de Graaf C. 2012. Protein status elicits compensatory changes in food intake and food preferences. Am J Clin Nutr. 2012 Jan;95(1):32-8.

Airinei G, Gaudichon C, Bos C, Bon C, Kapel N, Bejou B, Raynaud JJ, Luengo C, Aparicio T, Levy P, Tome D, Benamouzig R. 2011. Postprandial protein metabolism but not a fecal test reveals protein malabsorption in patients with pancreatic exocrine insufficiency. Clin Nutr. 2011 Dec;30(6):831-7.

Andriamihaja M, Davila AM, Eklou-Lawson M, Petit N, Delpal S, Allek F, Blais A, Delteil C, Tomé D, Blachier F. 2010. Colon luminal content and epithelial cell morphology are markedly modified in rats fed with a high-protein diet. *Am J Physiol Gastrointest Liver Physiol*. 2010 Nov;299(5):G1030-7.

Schwarz J, Burguet J, Rampin O, Fromentin G, Andrey P, Tomé D, Maurin Y, Darcel N. 2010. Three-dimensional macronutrient-associated Fos expression patterns in the mouse brainstem. *PLoS One*. 2010 Feb 1;5(2):e8974.

Chotechuan N, Azzout-Marniche D, Bos C, Chaumontet C, Gausserès N, Steiler T, Gaudichon C, Tomé D. 2009. mTOR, AMPK, and GCN2 coordinate the adaptation of hepatic energy metabolic pathways in response to protein intake in the rat. *Am J Physiol Endocrinol Metab*. 2009 Dec;297(6):E1313-23.

Westerterp-Plantenga MS, Nieuwenhuizen A, Tomé D, Soenen S, Westerterp KR. 2009. Dietary protein, weight loss, and weight maintenance. *Annu Rev Nutr*. 2009;29:21-41.

Nefti W, Chaumontet C, Fromentin G, Tomé D, Darcel N. 2009. A high-fat diet attenuates the central response to within-meal satiation signals and modifies the receptor expression of vagal afferents in mice. *Am J Physiol Regul Integr Comp Physiol*. 2009 Jun;296(6):R1681-6.

Azzout-Marniche D, Gaudichon C, Blouet C, Bos C, Mathe V, Huneau JF, Tome D. 2007. Liver glyconeogenesis: a pathway to cope with postprandial amino acid excess in high-protein fed rats? *Am J Physiol Regul Integr Comp Physiol* 2007;292:R1400-7.

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