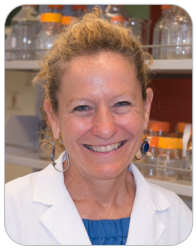
Curriculum Vitae

Margherita T. Cantorna

Distinguished Professor
Pennsylvania State University



Educational Background & Professional Experience

2014–Present	Distinguished Professor, Molecular Immunology, Department of Veterinary and Biomedical Science. The Pennsylvania State University, University Park.
2010–2014	Professor, Molecular Immunology, Department of Veterinary and Biomedical Science. The Pennsylvania State University, University Park.
2004–2010	Associate Professor, Molecular Immunology, Department of Veterinary and Biomedical Science. The Pennsylvania State University, University Park.
1998–2004	Assistant Professor, Nutrition and Immunology, Department of Nutrition, The Pennsylvania State University, University Park.
1991–1998	Assistant Scientist/Postdoctoral Fellow, Department of Biochemistry, University of Wisconsin, Madison.
1991	PhD in Immunology, Unversity of Wisconsin, Madison.
1986	BS in Chemistry, University of Illinois, Urbana–Champaign.

Research Interests

Nutrient regulation of immune function and infectious diseases. Identifying the targets of vitamin A and vitamin D in the immune system.

Publications

1. J. Arora, J. Wang, V. Weaver, Y. Zhang, and M.T. Cantorna. 2022 Novel insight into the role of the vitamin D receptor in the development and function of the immune system. J. Steroid Biochem Mol Biol. 219:106084.
2. Z. Chai, Y. Lyu, Q. Chen, C. Wei, L.M. Snyder, V. Weaver, A. Sebastian, I. Albert, Q. Li, M.T. Cantorna, and A.C. Ross. 2021. RNAseq studies reveal distinct transcriptional response to vitamin A deficiency in small intestine versus colon, uncovering novel vitamin A–regulated genes. J Nutr Biochem. 98:108814
3. L.M. Snyder, J. Arora, M.J. Kennett, V. Weaver, and M.T. Cantorna. 2020. Retinoid signaling in intestinal epithelial cells is essential for early survival from gastrointestinal infection. Front. Immunol. 11:559635.
4. M.T. Cantorna, Y. Lin, J. Arora, S. Bora, Y. Tian, R. Nichols and A.D. Patterson. 2019. Vitamin D regulates the microbiota to induce ROR γ t/FoxP3+ regulatory T cells. Front. Immunol. 10:1772.
5. M.T. Cantorna, C.J. Rogers and J. Arora. 2019. Aligning the paradoxical role of vitamin D in gastrointestinal immunity. Trends Endocrinol Metab. 30:459–466.