

PUBLICATIONS ([Google Scholar](#))

- [14] Weagley JS, Zaydman M, **Venkatesh S**, Sasaki Y, Damaraju N, Yenkin A, Buchser W, Rodionov DA, Osterman A, Barratt MJ, DiAntonio A, Mibrandt J, Gordon JI. Products of gut microbial Toll/interleukin-1 domain NADase activities in gnotobiotic mice and healthy and malnourished Bangladeshi children. *Cell Reports*, **39**, 110738, 2022.
- [13] Gehrig JL*, **Venkatesh S***, Chang H-W*, Hibberd MC, Kung VL, Cheng J, Chen RY, Subramanian S, Cowardin CA, Meier MF, O'Donnell D, Talcott M, Spears LD, Semenkovich CF, Henrissat B, Giannone RJ, Hettich RL, Ilkayeva O, Muehlbauer M, Newgard CB, Sawyer C, Head RD, Rodionov DA, Arzamasov AA, Leyn SA, Osterman AL, Hossain I, Islam M, Choudhury N, Sarker SA, Huq S, Mahmud I, Mostafa I, Mahfuz M, Barratt MJ, Ahmed T, Gordon JI. Effects of microbiota-directed foods in gnotobiotic animals and undernourished children. *Science*, **365**, eaau4732, 2019 (***co-first author**; selected among the nine [finalists for Science's 2019 Breakthrough of the Year](#)).
- [12] Raman AS, Gehrig JL, **Venkatesh S**, Chang H-W, Hibberd MC, Subramanian S, Kang G, Bessong PO, Lima AAM, Kosek MN, Petri Jr WA, Rodionov DA, Arzamasov AA, Leyn SA, Osterman AL, Huq S, Mostafa I, Islam M, Mahfuz M, Haque R, Ahmed T, Barratt MJ, Gordon JI. A sparse co-varying unit that describes healthy and impaired human gut microbiota development. *Science*, **365**, eaau4735, 2019.
- [11] Cheng J, Livi CB and **Venkatesh S**. Quantitation of gut microbiome-derived indole metabolites by ion pairing dMRRM LC/QQQ. *Agilent Application Note*, September 26, 2019.
- [10] Blanco-Melo D*, **Venkatesh S***, Bieniasz PD. Origins and Evolution of *tetherin*, an Orphan Antiviral Gene. *Cell Host & Microbe*, **20**(2), 189-201, 2016 (***co-first author**).
- [9] Blanton LV, Charbonneau MR, Salih T, Barratt MJ, **Venkatesh S**, Ilkaveya O, Subramanian S, Manary MJ, Trehan I, Jorgensen JM, Fan YM, Henrissat B, Leyn SA, Rodionov DA, Osterman AL, Maleta KM, Newgard CB, Ashorn P, Dewey KG, Gordon JI. Gut bacteria that prevent growth impairments transmitted by microbiota from malnourished children. *Science*, **351**, aad3311, 2016. doi: 10.1126/science.aad3311
- [8] Goyal MS*, **Venkatesh S***, Milbrandt J, Gordon JI, Raichle ME. Feeding the Brain and Nurturing the Mind: Linking Nutrition and the Gut Microbiota to Brain Development. *Proceedings of the National Academy of Sciences*, **112**(46), 14105–14112, 2015 (***co-first author**; *review article*).
- [7] **Venkatesh S**, Bieniasz PD. Mechanism of HIV-1 Virion Entrapment by Tetherin. *PLoS Pathogens*, **9**(7):e1003483, 2013.
- [6] Blanco-Melo D*, **Venkatesh S***, Bieniasz PD*. Intrinsic Cellular Defenses against Human Immunodeficiency Viruses. *Immunity*, **37**(3), 399-411, 2012 (***co-first author**; *review article*).
- [5] **Venkatesh S**, Wower J, Byrne ME. Nucleic Acid Therapeutic Carriers with On-Demand Triggered Release. *Bioconjugate Chemistry*, **20**, 1773-1782, 2009.
- [4] **Venkatesh S**, Saha J, Pass S, Byrne ME. Transport and Structural Analysis of Molecular Imprinted Hydrogels for Controlled Drug Delivery. *European Journal of Pharmaceutics and Biopharmaceutics*, **69**, 852-860, 2008.
- [3] Ali M, Horikawa S, **Venkatesh S**, Saha J, Hong JW, Byrne ME. Zero Order Therapeutic Release from Imprinted Hydrogel Contact Lenses within In-Vitro Physiological Ocular Tear Flow. *Journal of Controlled Release*, **124**, 154-162, 2007.
- [2] **Venkatesh S**, Sizemore SP, and Byrne ME. Biomimetic Hydrogels for Enhanced Loading and Extended Release of Ocular Therapeutics. *Biomaterials*, **28**, 717-724, 2007.
- [1] **Venkatesh S**, Byrne ME, Peppas NA, Hilt JZ. Applications of Biomimetic Systems in Drug Delivery. *Expert Opinion on Drug Delivery*, **2**(6), 1085-1096, 2005. (*Review Article*)