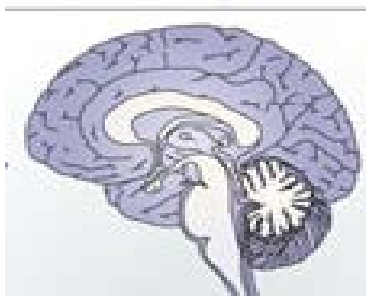
CORA Cork Open Research Archive
Cartlann Taighde Oscailte Chorcaí

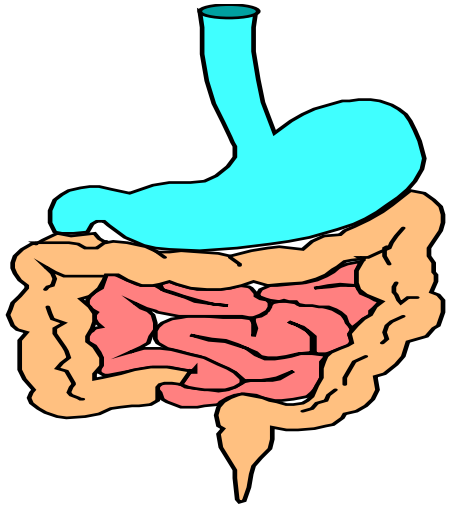
Title	Gut microbes and depression: still waiting for Godot
Authors	Dinan, Timothy G.;Cryan, John F.
Publication date	2019-02-13
Original Citation	Dinan, T. G. and Cryan, J. F. (2019) 'Gut microbes and depression: still waiting for Godot', Brain, Behavior and Immunity. doi:10.1016/j.bbi.2019.02.007
Type of publication	Article (peer-reviewed)
Link to publisher's version	http://www.sciencedirect.com/science/article/pii/S0889159119301436 - 10.1016/j.bbi.2019.02.007
Rights	© 2019, Elsevier Inc. All rights reserved. This manuscript version is made available under the CC BY-NC-ND 4.0 license. - https://creativecommons.org/licenses/by-nc-nd/4.0/
Download date	2026-09-12 17:50:29
Item downloaded from	https://hdl.handle.net/10468/7548

UCC
University College Cork, Ireland
Coláiste na hOllscoile Corcaigh

Microbe to brain communication

Vagus nerve
Short chain fatty acids
Cytokines
Tryptophan





Brain to microbe communication

Vagus nerve
HPA
SAM

Depression
Gut dysbiosis