

#### REPORT

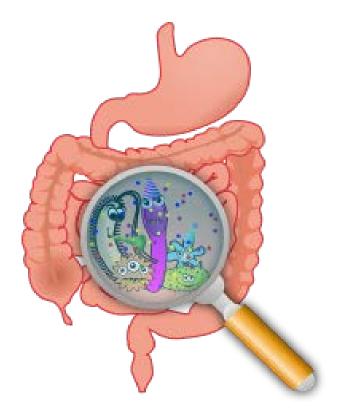
#### Bacterial Community Variation in Human Body Habitats Across Space and Time

Elizabeth K. Costello<sup>1</sup>, Christian L. Lauber<sup>2</sup>, Micah Hamady<sup>3</sup>, Noah Fierer<sup>2,4</sup>, Jeffrey I. Gordon<sup>5</sup>, Rob Knight<sup>1,6,\*</sup>

- + Author Affiliations

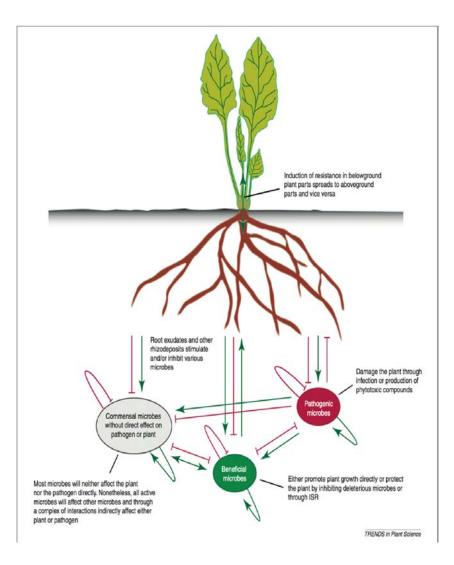
Science 18 Dec 2009: Vol. 326, Issue 5960, pp. 1694-1697 DOI: 10.1126/science.1177486

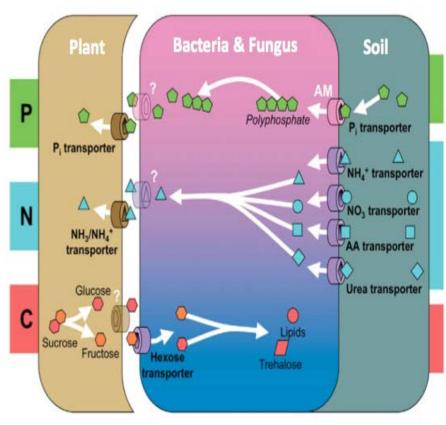


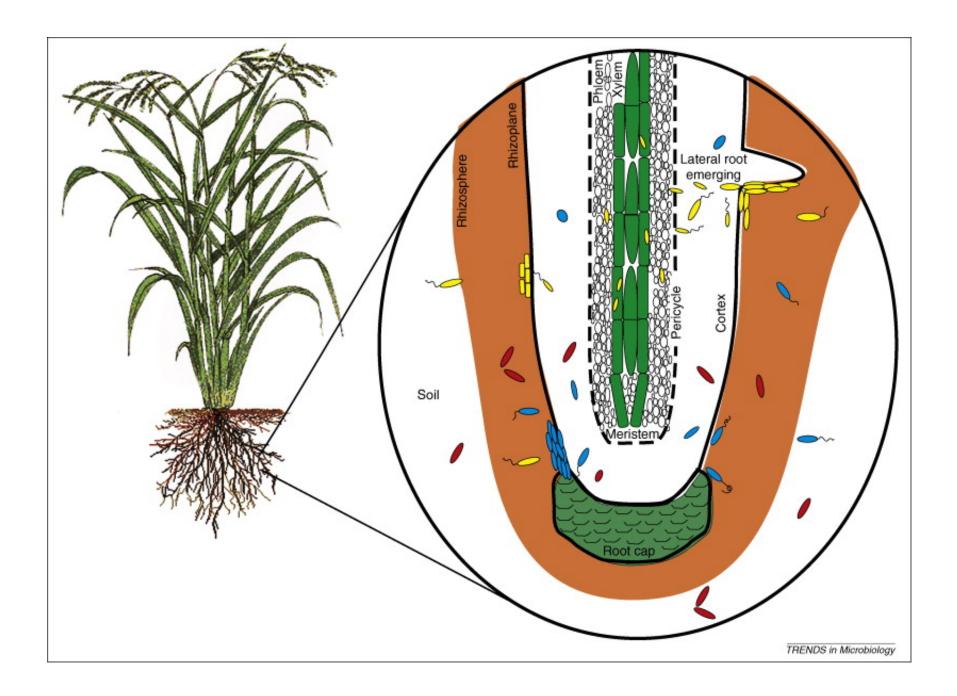




## Plant Root Microbiome







(Fe) Stress Response (a) **(b)** Ell Chlorosis with neces Eligible Crosis/chlorofic III Collow/veins still que mild chlorosis



## Stress Response



Replete Conditions



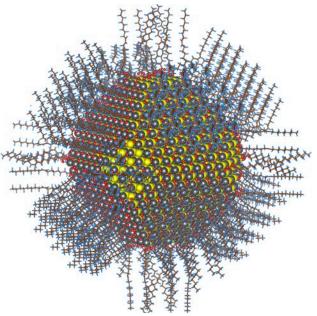
Deplete Conditions

How do cells respond?

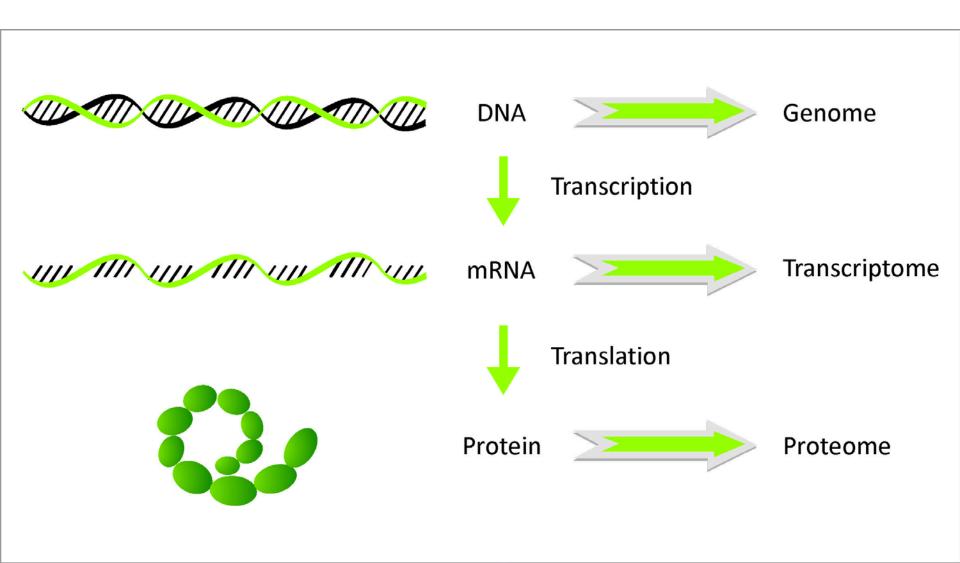
Which pathways are involved in stress response?

Role for the root microbiome in stress response?











# **Differential Expression**

