

# Exploring the Microbiome

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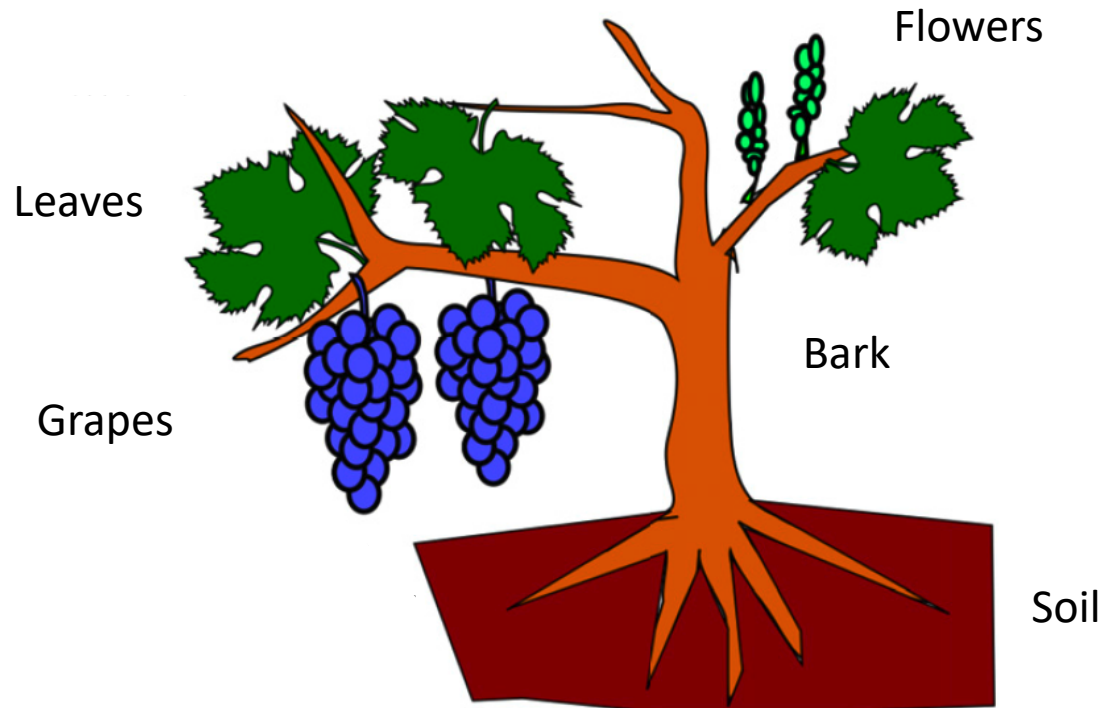


# What is the Vineyard Microbiome

- It is the aggregate ecosystem of bacteria, fungi, and archaea that populates the soil, wood, leaves, and fruit of the vineyard and its vines



# Potential Locations of Microbial Populations



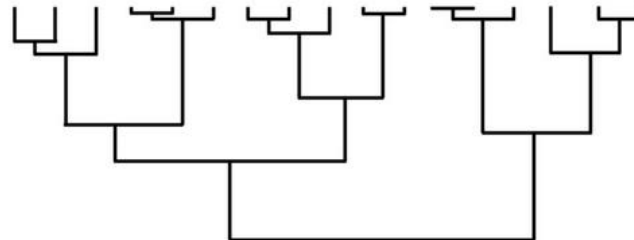
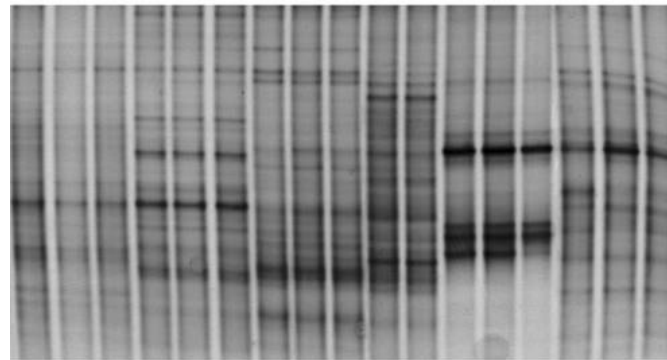
# How Does One Analyze the Vineyard Microbiome

- The classical tool is culturing on a petri plate

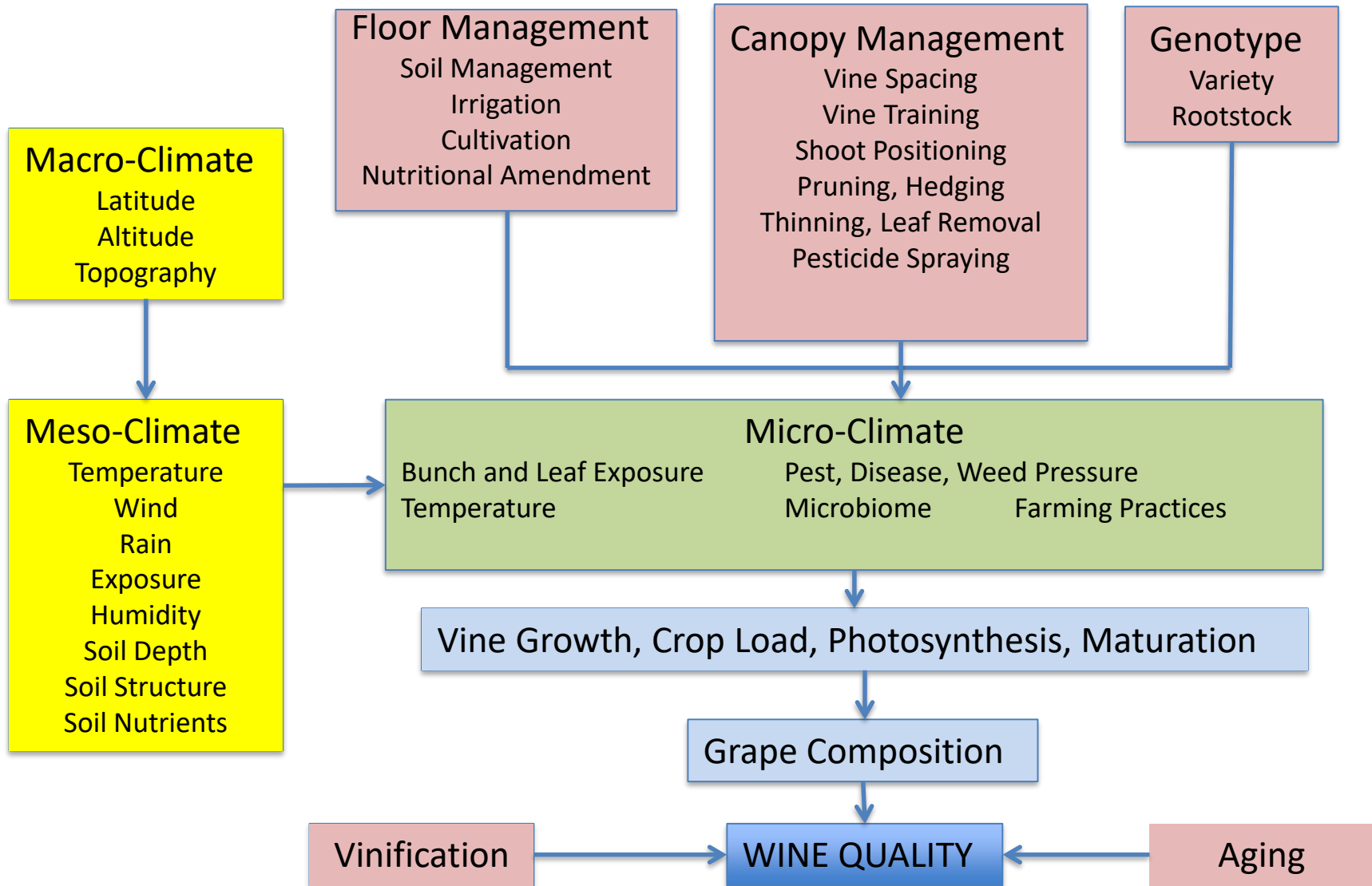


# How Does One Analyze the Vineyard Microbiome

- Use of 16s sizes rRNA for bacteria or 18s rRNA sizes for fungi; or other organism-specific DNA or RNA sequences; such sequences may or may not be amplified in the test tube



# Terroir



After Jackson and Lombard, Am. J. Enol. Vit. 44:409 (1993)