**INCyTE Seminar Series 2023**

**Discussion Meeting 1: Stoichiometric hypotheses**

***Discussion Goal:*** *To consider the goals and important outcomes of an INCyTE network stoichiometric observatory experiment and to identify and develop hypotheses of interest to the group.*

**Questions for breakout groups:**

1. Please introduce yourself to the group (max 30 seconds per person).
2. Do you see a community-based, distributed stoichiometry experiment as an interesting, exciting, and high-priority effort?
3. Last week in the INCyTE seminar, two general themes/goals started to emerge: (1) collection of wood and root stoichiometry data to build more robust datasets of under-sampled tissues; and (2) how/if to design a simple experiment that could examine stoichiometric linkages across a vertical profile from leaves to soil. What do you think of these objectives? Are there other objectives that should be considered? Should we target one of these or both?
4. If you think either of these two themes make sense, please generate a short (2-3), ranked list of the most critical outcome from a network-wide experiment focusing on stoichiometry and stoichiometric flexibility.
5. What do you think of the hypotheses presented in the 1-page proposal document? Are there things that you would change, add, or remove? What gaps/weaknesses do you see in the hypotheses presented?
6. Are there other hypotheses regarding stoichiometric flexibility that you would like to address, or other aspects of stoichiometric flexibility that we should be considering?

For big group reporting/discussion: Using small group answers to these questions, can we arrive at a set of goals/hypotheses to test via the proposed stoichiometric observatories distributed across the network?