

Biology Seminar

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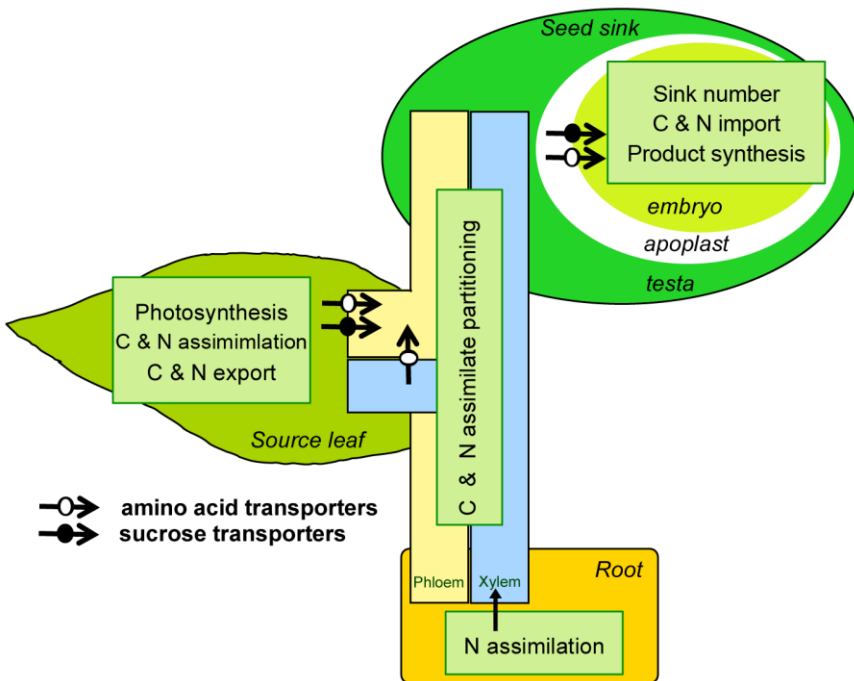
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Essential Functions of Organic Nitrogen Transporters in Plant Metabolism and Growth

The main transport forms of nitrogen in plants are amino acids or ureides. Partitioning of the organic nitrogen within and between cells, and from source to sink organs requires the function of membrane-localized transport proteins.

Our research concerns the identification and characterization of key

transport processes controlling uptake and partitioning of organic nitrogen. A major goal is to understand the relevance of nitrogen distribution for plant performance. Data will be presented demonstrating that cellular import systems are fundamental in nitrogen movement at organ and whole plant levels. Recent progress in transporter



regulation of plant primary metabolism and development will be discussed.

April 25, 2014

2:00 PM

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