

# AbiotiK<sup>+</sup> Stress Group

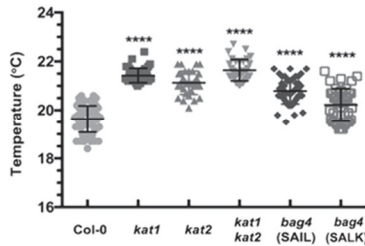
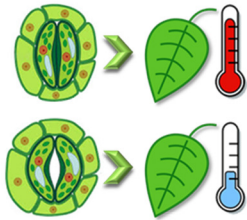
Potassium transport in abiotic stress in plants and yeast



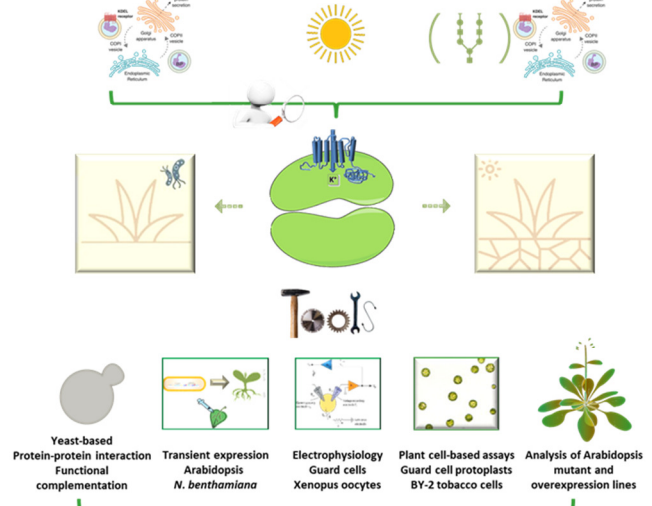
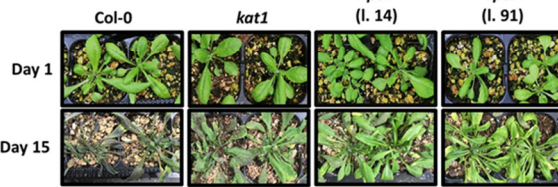
## Projects:

Deciphering potassium transporter regulation in plants  
Molecular and physiological characterization of targets for the optimization of water use in plants

### KAT1 interacting proteins



### Drought tolerance



**Output:** Novel regulators of the KAT1 potassium channel  
New approaches to develop stress tolerant plants

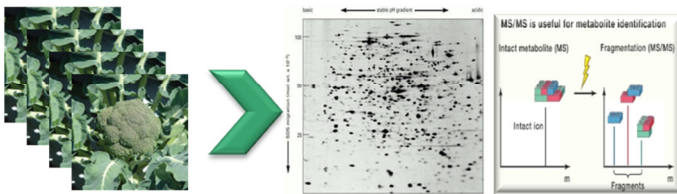
PPI, Post-translational modifications, trafficking, electrophysiology  
Physiological responses to abiotic and biotic stress, water use efficiency

## Project:

Molecular approaches to increase salt and drought tolerance in Broccoli



**Approach:** Proteomic and metabolomic characterization of existing varieties



### Output:

- Identify stress tolerance genes
- Assisted breeding
- Variety selection
- Stress tolerance markers
- .....



**Approach:** Functional screening for stress resistance genes in yeast



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