

NIMBioS Working Group

Remote sensing of biodiversity:  
Linking leaf optical spectra to plant functional traits and phylogenetics  
October 11-13

**Tuesday, October 11**

8:30 Welcome – overview of goals and plan for the meeting (Jeannine)

9:00 Placing unlabeled spectra on a tree and estimating phylogenetic signal and rates of evolution (Dudu) - discussion

9:45 A statistical approach to reconciling spectra from different instruments (Anna) - discussion

10:30 Coffee Break

11:00 Demo of the spectral data and phylogenetic breadth we have at hand - followed by discussion

11:30 Discussion of linking spectra to traits (Franziska)

12:00 Develop plan for moving forward

12:30 – 1:45 Lunch

2:00 Analysis and writing break out groups

2:30

3:00 Discussion (Plenary)

3:30 Coffee

4:00 Discussion (Plenary or Breakout) – develop plans for Wed.

5:00 NIMBioS reception

**Wednesday, October 12**

9:00 Recap Tuesday – develop plans for day - potential breakout groups for analysis and writing

10:30 Coffee break

12:00 Recap of where we are

12:30-1:45 Lunch

2:00 Discussion of book project and other outcomes

3:00 Return to breakout groups

### **Thursday, October 13**

9:00 Work plan for day and potential break out groups –

12:30 lunch

3:00 adjourn – leave for airport