

Agenda for Advisory Panel Meeting of the Carrot USDA-NIFA-SCRI Project

Preceding the 41st International Carrot Conference, StateView Hotel, Raleigh, NC

**Applying advanced phenotypic and genomic tools to improve flavor, nutrition,
and production traits in carrot**

July 8, 2024

Zoom link:

<https://www.zoomgov.com/j/1605687906?pwd=f3d3NltGt56JLeCrOHAYENaYlIdjHC.1>

Meeting ID: 160 568 7906

Passcode: 841375

All times Eastern Time zone

Time	Presenter	Topic
8:30	Phil Simon	Introductions, Agenda, and Project Overview
Objective 1: Development of cost-effective genomic tools		
8:50	Massimo Iorizzo	Pangenome and comparative genome analysis
9:15	Massimo Iorizzo, Doug Senalik, Bill Rolling & <i>Allen Van Deynze</i>	Genotyping platform
9:40	Advisory Panel Members	<i>Panel questions and input</i>
10:00	Coffee Break	
Objective 2: Mapping gene locations of economically important traits		
10:20	<i>Phil Roberts</i>	Root-knot nematode resistance <i>via Zoom</i>
10:40	Phil Simon	Alternaria leaf blight resistance
11:00	<i>Mike Derie & Lindsey du Toit</i>	Cavity spot resistance <i>via Zoom</i>
11:20	Phil Simon & Harun Ar Rashid	Drought tolerance
11:40	<i>Julie Dawson & Phil Simon</i>	Flavor, pigments, and sugars <i>via Zoom</i>
noon	Lunch provided	
1:20	<i>Julie Dawson & Phil Simon</i>	Stand establishment & carrot growth <i>via Zoom</i>
1:40	<i>Theresa Hill & Allen Van Deynze</i>	Bolting tendency <i>via Zoom</i>
2:00	<i>Julie Dawson & Keo Corak</i>	Genomic selection <i>via Zoom</i>
2:20	Advisory Panel Members	<i>Panel questions and input</i>
2:40	Coffee Break	
Objective 3: Evaluation of bioavailability of carrot nutrients		
3:00	Sherry Tanumihardjo	Bioavailability of carrot nutritional value
3:25	Advisory Panel Members	<i>Panel questions and input</i>
Obj. 4: Estimation economic costs/benefits of improved traits to buyers & industry		
3:40	<i>Dan Sumner</i>	Evaluating economic value of new traits <i>via Zoom</i>
4:05	Advisory Panel Members	<i>Panel questions and input</i>
Public Outreach Activities for the Carrot SCRI Project		
4:20	Micaela Colley, Jas Sidhu, <i>Tim Waters, Jairo Diaz, Colin Dixon</i>	Outreach activities <i>via Zoom</i>
4:45	Advisory Panel Members	<i>Panel questions and input</i>