



General Agenda



IAB FALL 2024 MEETING, NOV 13-14

Venue Location: Washington State University (WSU)
PACCAR Environmental Technology Building
2001 E Grimes Way
Pullman, WA 99164-5815

Contact Sarah Dossey, sdossey@wsu.edu, if you need a parking permit for the meeting.

Wi-Fi Access: WSU Guest Wi-Fi

Select Wi-Fi network "WSU Guest"

Add your email address to the form that pops up and accept the terms of use to register, then click "log in"

Online Access:

Join Zoom Meeting from PC, Mac, Linux, iOS, or
Android: <https://wsu.zoom.us/j/97123047730?from=addon>

Meeting ID: 971 2304 7730

Join by Telephone (long distance)

For higher quality, dial a number based on your current location.

Dial:

US: +1 253 215 8782 or +1 669 900 9128 or +1 646 558 8656

Meeting ID: 971 2304 7730

Phone one-tap: US: [+12532158782](tel:+12532158782), [97123047730#](tel:+16699009128) or [+16699009128](tel:+16699009128), [97123047730#](tel:+16699009128)

Tuesday, November 12

6:30 PM PT **RECEPTION - WSU VISITOR CENTER**
150 E Spring St
Pullman, WA 99163

Wednesday, November 13

8:30 AM PT **BREAKFAST**
WSU - PACCAR Environmental Technology Building

9:00 AM PT **LOCATION**
WSU – PACCAR Environmental Technology Building

9:00 AM PT **WELCOME**
Dean Webster, Center Director

9:05 AM PT **UPDATE ON CENTER ACTIVITIES**
Dean Webster, Center Director

9:15 AM PT **Q&A and Discussion**

9:30 AM PT **AIRTABLE REVIEW**
Prerecorded presentations will be provided.
Projects requesting continuation of funding.

Ten minutes per project of discussion and completion of Airtable interest feedback.

9:30 AM **(C01) - Previously N01- Disintegration Behavior Spectrum**
Branson Ritchie, University of Georgia

9:40 AM **(C02) - Water Barrier Mechanisms in Biobased Polymers**
Andriy Voronov, Bakhtiyor Rasulev, Sergiy Minko, North Dakota State
University/University of Georgia

9:50 AM **(C03) - Previously N02 - Microbial & Enzymatic Deconstruction of Lignin to
Produce Scalable High Purity Reactive Building Blocks**
Xiao Zhang, Washington State University

10:00 AM **(C04) - Development of Biobased VOC-free Powder Coating Resin Systems**
Jinwen Zhang, Eric Cochran, Washington State University/Iowa State University

10:10 AM PT **BREAK**

10:30 AM **(C05) - Previously N03 - Developing Vegan Leather Alternatives with Persimmon and NFC-Chitosan Hydrogel Coatings: A Natural and Innovative Approach**
Suraj Sharma, University of Georgia

10:40 AM **(C06) - Previously N06 - The role of bioplastics in the pharmaceutical industry**
Jason Locklin, University of Georgia

10:50 AM **(C07) - Previously N09 - Compatibilization of PLA and PHA blends for Improved Properties**
Grant Crane, University of Georgia

11:00 AM **(C08) - Previously N11 - Value-Added Molecules/Materials from Agricultural Residues**
Yan Zhao, Iowa State University

11:10 AM PT **IAB REVIEW AND DISCUSSION**

- Next meeting location
- New Member Recruiting
- Other Discussion

12:00 PM PT **LUNCH**
PACCAR Environmental Technology Building

1:10 PM PT **AIRTABLE REVIEW**
Prerecorded presentations will be provided.
Projects requesting new funding.

1:10 PM **(N01) Optimization of thermoplastic bio-composites with natural fibers - SC06**
Ali Amiri, North Dakota State University

1:20 PM **(N02) Cellulose-reinforced polyamide composites - SC13**
Hui Li, Washington State University

1:30 PM **(N03) Enhancing the Performance and Outdoor Durability of Recyclable Bio-Resins in Response to Seed - SC03**
Baoming Zhao, Washington State University

1:40 PM (N04) Compostable 3D printable components for a medical device for easy disposal - SC01

Branson Ritchie, University of Georgia

1:50 PM (N05) Scoring Card for Environmental Performance of Bio-based Materials - SC11

Ke Li, University of Georgia

2:00 PM PT BREAK

2:10 PM (N06) Understanding and Enhancing Biodegradation of PLA Blends in Various Environments - SC02

Kenan Song, University of Georgia

2:20 PM (N07) Rheological and Mechanical Improvements of PLA and PHA Based Blends Using Compostable Compatibilizers - SC08

Eric Cochran, Iowa State University

2:30 PM (N08) Development of Coating Materials from Biopolyester and Nanofibrillated Cellulose with Improved Water Vapor and Oxygen Barrier Properties - SC09,12

Suraj Sharma, University of Georgia

2:40 PM (N09) Going Bananins: High Performance Waterborne Hard Bio-based Building Blocks - SC04

Eric Cochran, Iowa State University

2:50 PM PT TODAY'S WRAP UP

Dean Webster, Center Director

3:00 PM PT ADJOURN

5:30 PM PT DINNER AT THE WSU LEWIS ALUMNI CENTRE

Speaker:

1 Alumni Way, Pullman, WA 99164-6150

Thursday, November 14

7:30 AM PT

BREAKFAST

PACCAR Environmental Technology Building

8:00 AM PT

LOCATION

WSU – PACCAR Environmental Technology Building

8:00 AM PT

READOUT AND DISCUSSION OF AIRTABLE FEEDBACK

Chair of IAB (Jed Randall)/ALL

PIs will have a chance to comment on additional IAB feedback

8:45 AM PT

CLOSED DOOR IAB-ONLY MEETING FOR VOTING

- Affiliate Program

- The Affiliate Program will be under a two-year term where it will be reviewed for continuation, or it will discontinue at that time based upon review of the desired intentions for creation of the Affiliate.

- New IAB Chair, Vice-Chair and Secretary selection.

10:15 AM PT

ANNOUNCE PROPOSALS/ACTION ITEMS

Chair of IAB (Jed Randall)/ALL

10:30 AM PT

CLOSING REMARKS – PI EXPECTATIONS (TO-GO FOOD WILL BE PROVIDED)

WSU – PACCAR Environmental Technology Building