



# General Agenda



## IAB FALL 2025 MEETING, NOV 19-20

**Venue Location:** North Dakota State University (NDSU)  
Memorial Union – Prairie Rose Room  
1401 Administration Ave  
Fargo, ND 58105

## Tuesday, November 18

6:30 PM CT

### INFORMAL GATHERING – APPLEBEES GRILL & BAR

Please come if you can make it  
2001 16<sup>th</sup> St N  
Fargo, ND 58102

## Wednesday, November 19

8:30 AM CT

### BREAKFAST

NDSU – Memorial Union – Prairie Rose Room

9:00 AM CT

### LOCATION

NDSU – Memorial Union – Prairie Rose Room

9:00 AM CT

### WELCOME

Dean Webster, Center Director

9:05 AM CT

### UPDATE ON CENTER ACTIVITIES

Dean Webster, Center Director

9:15 AM CT

### Q&A and Discussion

9:30 AM CT

### GOOGLE FORMS/SHEETS REVIEW

Prerecorded presentations will be provided.

**Projects requesting continuation of funding.**

Ten minutes per project of discussion and completion of Google Forms interest feedback.

**9:30 AM**      **C01 - (Previously N01) - Optimization of thermoplastic bio-composites with natural fibers**  
Ali Amiri, North Dakota State University

**9:40 AM**      **C02 - (Previously N02) - Cellulose-reinforced polyamide composites**  
Muhammad Khusairy Bin Bakri, Washington State University

**9:50 AM**      **C03 - Microbial & Enzymatic Deconstruction of Lignin to Produce Scalable High Purity Reactive Building Blocks**  
Xiao Zhang/Ziqi Yu, Washington State University

**10:00 AM**      **C04 - (Previously N05) - Scoring Card for Environmental Performance of Bio-based Materials**  
Ke Li, University of Georgia

**10:15 AM CT**      **BREAK**

**10:30 AM**      **C05 - 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) Understanding and Enhancing Biodegradation of PLA Blends in Various Environments**  
Kenan Song, University of Georgia

**10:50 AM**      **C07 - (Previously N08) Development of Coating Materials from Biopolyester and Nanofibrillated Cellulose with Improved Water Vapor and Oxygen Barrier Properties**  
Suraj Sharma, University of Georgia

**11:00 AM**      **C08 - (Previously N09) Going Bananins: High Performance Waterborne Hard Bio-based Building Blocks**  
Eric Cochran, Iowa State University

**11:10 AM CT**      **IAB REVIEW AND DISCUSSION**  
- Next meeting location/Future Spring and Fall Meetings/In Person or Virtual  
- Other Discussion

**12:00 PM CT**      **LUNCH**  
NDSU – Memorial Union – Prairie Rose Room

**STUDENT POSTERS WILL BE AVAILABLE FOR VIEWING**

**1:20 PM CT**      **GOOGLE FORMS/SHEETS REVIEW**  
Prerecorded presentations will be provided.  
**Projects requesting new funding.**

Ten minutes per project of discussion and completion of Google Forms interest feedback.

- 1:20 PM**      **N01 - (SC08) UV Durability of Bio-based Plastics and Films for Automotive Applications**  
Ali Amiri, North Dakota State University
- 1:30 PM**      **N02 - (SC12) Synthesis of biobased polyols & polyesters from lignin**  
Xiao Zhang/Chenxi Wang, Washington State University
- 1:40 PM**      **N03 - (SC07) Bio-based additives for self-healing and adhesion-promoting primer coatings**  
Xiaoning Qi, North Dakota State University
- 1:50 PM**      **N04 - (SC12) Synthesis of mixed biobased polyesters using lignin-derived phenolics and dicarboxylic acids**  
Eric Cochran, Iowa State University
- 2:00 PM**      **N05 - (SC04) Development of Biobased PDI Blocked Isocyanates for Low-Temperature, Sustainable Powder Coatings**  
Eric Cochran, Iowa State University

**2:15 PM CT**      **BREAK**

- 2:30 PM**      **N06 - (SC06) Stabilized PLA/PLGA Systems for Triggered Biodegradable Medical Materials**  
Kenan Song, University of Georgia

- 2:40 PM**      **N07 - (SC11) Environmental Fragmentation and Ecotoxicity Profiling of Compostable Bioplastics**  
Yang Liu, University of Georgia

**2:50 PM CT**      **TODAY'S WRAP UP**  
Dean Webster, Center Director

**3:00 PM CT**      **NSF PROGRAM – MOLECULAR FOUNDATIONS FOR SUSTAINABILITY: SUSTAINABLE POLYMAERS ENABLED BY EMERGING DATA ANALYTICS (MFS-SPEED)**  
Pete Ellingson, Procter & Gamble

**3:30 PM CT**      **ADJOURN**

**5:30 PM CT**      **DINNER AT DREKKER BREWING COMPANY/BREWHALLA EVENTS CENTER DREKKER LOFT**  
1666 1<sup>st</sup> Ave N  
Fargo, ND 58102

# Thursday, November 20

**8:30 AM CT**

**BREAKFAST**

NDSU – Memorial Union – Prairie Rose Room

**9:00 AM CT**

**LOCATION**

NDSU – Memorial Union – Prairie Rose Room

**9:00 AM CT**

**READOUT AND DISCUSSION OF GOOGLE FORMS FEEDBACK**

Chair of IAB (Hart Haugen)/ALL

PIs will have a chance to comment on additional IAB feedback

**10:15 AM CT**

**CLOSED DOOR IAB-ONLY MEETING FOR VOTING**

- Voting on projects for 2026

- New IAB Chair, Vice-Chair and Secretary selection

**11:00 AM CT**

**ANNOUNCE PROPOSALS/ACTION ITEMS**

Chair of IAB (Hart Haugen)/ALL

**11:15 AM CT**

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

Dean Webster, Center Director