



# Program

August 1-3, 2024  
Oregon State University  
Corvallis, Oregon, USA

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# Statement on Conduct

The 2024 IMS NRC conference committee and organizers are dedicated to providing a space and program for attendees and speakers to engage in the open exchange of ideas, the freedom of thought and expression, and respectful scientific debate. We value the participation of every member of the conference and want all who attend to have an enjoyable and rewarding experience. We ask that participants extend respect, courtesy, and compassion to other attendees, regardless of whether or not opinions differ.

Every attendee, speaker, exhibitor, organizer, and volunteer at any event or activity connected with NRC is expected to abide by this Code of Conduct:

"The 2024 Institute for Mathematical Statistics New Researchers Conference provides a harassment-free conference experience for everyone, regardless of gender, sexual orientation, disability, physical appearance, body size, race, or religion. We do not tolerate harassment of conference participants in any form. All communication will remain appropriate for a professional audience of any background. We do not permit the following behaviors at any time during the conference, in any conference venue and conference communication channels, including conference housing and social media: using sexual language or imagery; insulting, maligning, or harassing other attendees; or telling sexist, racist, or exclusionary jokes."

Conference staff will enforce this Code throughout the event and may ask anyone violating this Code to leave the conference. Please contact Yuan Jiang ([yuan.jiang@oregonstate.edu](mailto:yuan.jiang@oregonstate.edu)) or Taeb Armeen ([ataeb@uw.edu](mailto:ataeb@uw.edu)) to report any issues.

Thank you for helping make the NRC a positive, inclusive, and appropriate experience for all who attend.

# Useful Information

## Conference Venue and Access

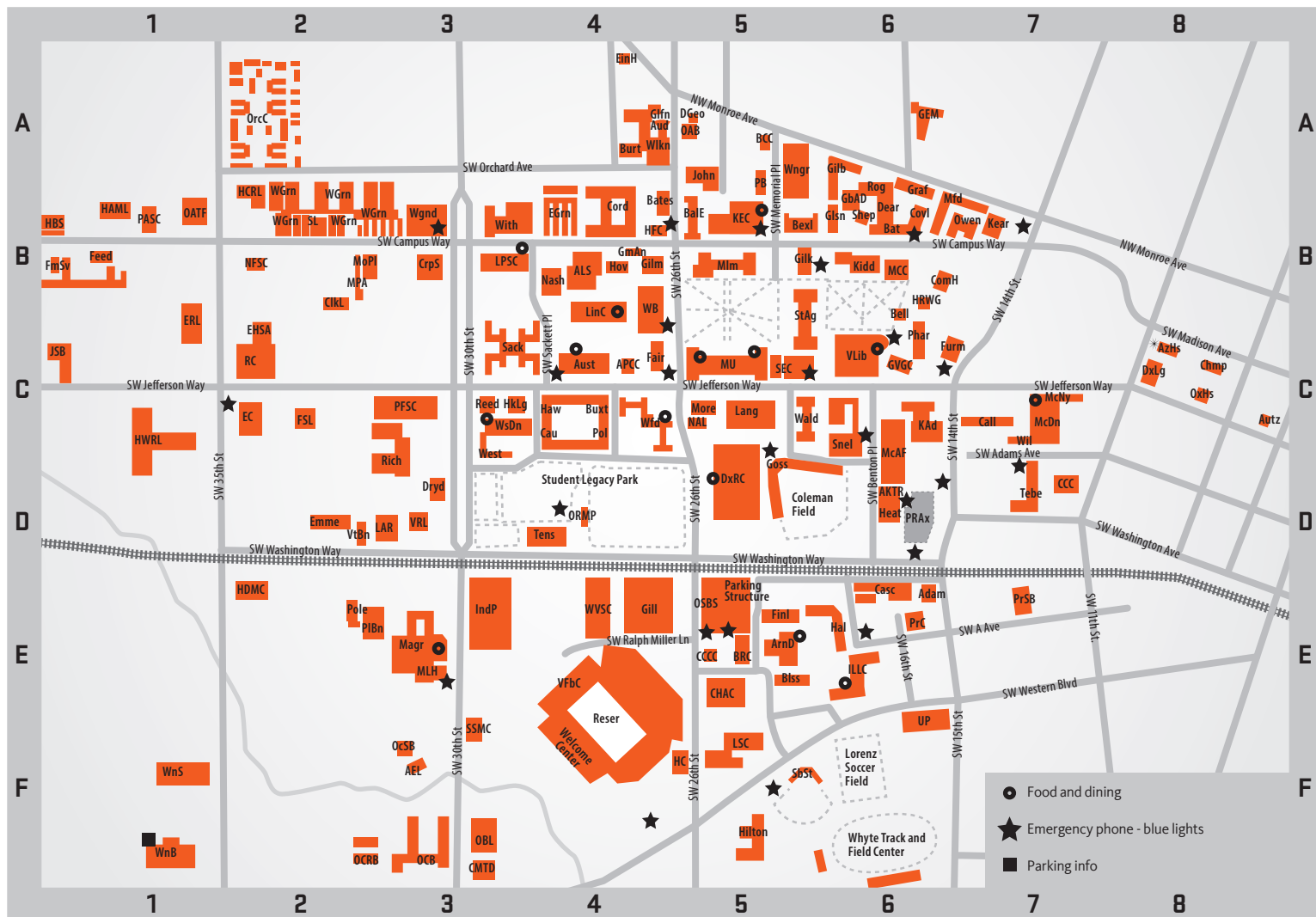
The NRC will be held in the LaSells Stewart Center, Oregon State University, located in 875 SW 26th Street, Corvallis, OR 97331-3101. This is the building LSC on the campus map (coordinate F5) on page 5.

## Parking on Campus

Participants can choose to park in Parking Lot C opposite to the LaSells Stewart Center or Parking Lot B1 close to the Tebeau Hall if you choose to drive (see the university parking map on page 6). Visitor parking permits can be purchased through the OSU Transportation Services: <https://transportation.oregonstate.edu/parking/visitors>.

## Internet Access

Wi-Fi will be available during the conference. The *Eduroam* network is available on campus. For users that cannot access Eduroam, please refer to the instructions posted on site for access to Wi-Fi set up for this conference.



Adams Hall.....Adm.....E6  
A.A. "Red" Emmerson Advanced Wood  
Products Lab.....Emme.....D2  
Aero Engineering Lab.....AEL.....F3  
Agricultural and Life  
Sciences Building.....ALS.....B4  
Arnold Dining Center.....Arnd.....E5  
Asian and Pacific  
Cultural Center.....APCC.....C4  
Austin Hall.....Aust.....C4  
Autzen House.....Autz.....C8  
Azalea House.....AzHs.....C8  
Ballard Extension Hall.....BalE.....B5  
Batcheller Hall.....Bat.....B6  
Bates Hall.....Bate.....B4  
Bell Tower.....Bell.....C6  
Beth Ray Center  
for Academic Support.....BRC.....E5  
Bexell Hall.....Bexl.....B5  
Bloss Hall.....Blss.....E5  
Burt Hall.....Burt.....A4  
Buxton Hall.....Bux.....C4  
Callahan Hall.....Cal.....C7  
Cascade Hall.....Casc.....E6  
Cauthorn Hall.....Cau.....C4  
Central Receiving  
and Delivery.....PrSB.....E7  
Centro Cultural César Chávez.....CCCC.....E5  
CEOAS Machine and Technical Development  
Facility.....CMTD.....F3  
CH2M HILL Alumni Center.....CHAC.....E5  
Champlainefu Lodge.....Chmp.....C8  
Child Care Center.....CCC.....D7  
Clark Laboratory.....Clkl.....B2  
Climbing Center.....DxRC.....D5  
Community Hall.....ComH.....B6  
Coleman Field.....D6  
Commodity Storage Facility.....CSF.....B1  
Coastal Oceanography Lab.....OBL.....F3  
Cordley Hall.....Cord.....B4  
Covell Hall.....Covl.....B6  
Crop Science Building.....CrpS.....B3  
Dawes House.....DGeo.....A5  
Dearborn Hall.....Dear.....B6  
Dixon Lodge.....DxLg.....C8  
Dixon Recreation Center.....DxRC.....D5  
Dryden Hall.....Dryd.....D3

Einerson House.....EinH.....A4  
Energy Center.....EC.....C2  
Environmental Health  
and Safety Annex.....EHSA.....C2  
EPA Environmental Research Lab.....ERL.....C1  
Fairbanks Hall.....Fair.....C4  
Finley Hall.....Finl.....E5  
Forest Sciences Lab.....FSL.....D2  
The Gem.....Gem.....A6  
George W. Peavy Science Center.....Pvy.....D3  
Gilbert Addition.....GbAd.....B6  
Gilbert Hall.....Glb.....A6  
Gilfillan Auditorium.....GlfmAud.....A4  
Gilkey Hall.....GilK.....B5  
Gill Coliseum.....Gill.....E4  
Gilmore Annex.....GmAn.....B4  
Gilmore Hall.....Gilm.....B4  
Gladys Valley Gymnastics Center.....GVGC.....C6  
Gleeson Hall.....Glsn.....B6  
Gloss Hall.....Goss.....D5  
Graf Hall.....Graf.....B6  
Greenhouse East.....EGrn.....B4  
Greenhouse West.....WGrn.....B2  
Hallie Ford Center.....HFC.....B4  
Halsell Hall.....Hal.....E6  
Hattie Redmond Women  
and Gender Center.....HRWG.....B6  
Hawley Hall.....Haw.....C4  
Health Center.....HC.....F5  
Heating Plant.....Heat.....D6  
Heckart Lodge.....HkLg.....C3  
Hilton Garden Inn.....Hilton.....F5  
Hinsdale Wave Research Lab.....HWRL.....C1  
Hogg Animal Metabolism Lab.....HAML.....B1  
Horticulture Crops Research Lab.....HCRL.....B2  
Hovland Hall.....Hov.....B4  
International Living-  
Learning Center.....ILLC.....E6  
Jefferson Street Building.....JSB.....C1  
Johnson Hall.....John.....A5  
Joyce Collin Furman Hall.....Furm.....C6  
Kaku-ixt Mana Ina Haws.....NAL.....C5  
Kearney Hall.....Kear.....B7  
Kelley Engineering Center.....KEC.....B5  
Kerr Administration Building.....Kad.....C6  
Kidder Hall.....Kidd.....B6  
Laboratory Animal Resource Center LAR.....D3

Langton Hall.....Lang.....C5  
The LaSells Stewart Center.....LSC.....F5  
Learning Innovation Center.....LinC.....B4  
Linus Pauling Science Center.....LPSC.....B3  
Lorenz Soccer Field.....F6  
Lonnie B. Harris  
Black Cultural Center.....BCC.....A5  
Magruder Hall.....Magr.....E3  
Magruder Lecture Hall.....MLH.....E3  
Marketplace West Dining Center.....WsDn.....D3  
McAlexander Field House.....McAF.....C6  
McNary Dining Center.....McDn.....C7  
McNary Hall.....McNy.....C7  
Memorial Union.....MU.....C5  
Merritt Truax  
Indoor Practice Facility.....IndP.....E3  
Merryfield Hall.....Mfd.....B6  
Milam Hall.....Mlm.....B5  
Milne Computer Center.....MCC.....B6  
Moreland Hall.....More.....C5  
Motor Pool.....MoPl.....C3  
Nash Hall.....Nash.....B4  
National Forage  
Seed Research Center.....NFSC.....B2  
Oak Creek Building.....OCB.....F3  
Oak Creek Geenhouse.....OCRb.....F2  
Ocean Administration Building.....OAB.....A5  
Oceanography Instrumentation  
Lab.....OBL.....F3  
Oceanography Staging.....OcSB.....F3  
Oldfield Animal Teaching Facility.....OATF.....B1  
Orchard Court Apartments.....Orcc.....A2  
OSU Beaver Store.....OSBS.....E5  
Owen Hall.....Owen.....B6  
Oxford House.....OxHs.....C8  
P. Wayne Valley Sports  
Performance Center.....WVSC.....E4  
Parking Structure.....E5  
Patricia Valian Reser Center for  
Creative Arts.....PRAX.....D6  
Pharmacy Building.....Phar.....C6  
Plegman Building.....PB.....A5  
Poling Hall.....Pol.....C3  
Precision Agriculture  
Systems Center.....PASC.....B1  
Pride Center.....PrC.....E6  
Public Safety.....Casc.....E6

Purchasing.....PrSB.....E7  
Radiation Center.....RC.....C2  
Reed Lodge.....Reed.....C3  
Reser Stadium.....Reser.....E4  
Richardson Hall.....Rich.....D3  
Rogers Hall.....Rog.....B6  
Sackett Hall.....Sack.....C3  
Samaritan Sports Medical Center.....SSMC.....E3  
Seed Lab.....SL.....B2  
Shepard Hall.....Shep.....B6  
Snell Hall.....Snel.....C6  
Softball Complex.....SbSt.....F5  
Strand Agriculture Hall.....StAg.....C5  
Student Experience Center.....SEC.....C5  
Student Legacy Park.....D4  
Tebeau Hall.....Tebe.....D7  
Tennis Complex.....Tens.....D4  
Transportation Services.....WnB.....F1  
UHDS Maintenance Center.....HDMC.....E2  
University Plaza.....UP.....F6  
Valley Football Center.....VfBC.....E4  
Valley Library.....VLib.....C6  
Veterinary Dairy Barn.....VtBn.....D2  
Veterinary Horse Barn.....Pole.....E2  
Veterinary Research Lab.....VRL.....D3  
Waldo Hall.....Wald.....C5  
Weatherford Hall.....Wfd.....C4  
Welcome Center.....F4  
Weniger Hall.....Wngr.....B5  
Western Building.....WnB.....F1  
Western Shops.....WnS.....F1  
Whyte Track and Field Center.....F6  
Wiegand Hall.....Wgnd.....B3  
Wilkinson Hall.....Wlkn.....A4  
Wilson Hall.....Wil.....C7  
Withycombe Hall.....With.....B3  
Women's Building.....WB.....C4

2023-24

# OSU CORVALLIS PARKING MAP

## MAP LEGEND

- Commuter Zones
- Residence Hall Zones
- Hourly Lots
- Restricted Vehicle Access\*
- Pay Station
- 4 Hour Limit Pay Station
- ADA Parking†
- Carpool Space
- EV Charging Stations
- Motorcycle Parking
- Parking Zone ID
- Visitor Parking
- Under Construction

\*No private vehicle access

†Vehicles in ADA spaces must display a DMV-issued ADA placard and any OSU permit.

## PARKING RATES

Scan below to view parking rates.



- Daily permits may be purchased online, at any pay station or in the Western Building.
- Three-hour ADA visitor permits are available at no cost in the Western Building.

## PARKING STRUCTURE KEY

LEVELS 4 & 5	R PERMIT		
LEVEL 3	1 HOUR	B2 PERMIT	
LEVEL 2	B2 PERMIT		
LEVEL 1	B2 PERMIT		



Oregon State  
University

## Poster Presentation and Flash Talks

The flash talk session is on Thursday, August 1st. All posters will be hang in the lobby of the LaSells Stewart Center on Thursday. **Posters must be no larger than 48" x 36"**. Please be next to your poster during the poster session on Thursday afternoon. You may print and bring your poster on your own, or use printing services available through OSU (recommended), which can be ordered through the OSU website ([link](#)). If you print through OSU, please **submit your files by July 23**. It will then be delivered to the poster session room and available on the day of your session. We will cover the cost for poster printing if you print through OSU.

Participants will give max 2.5 minute flash talk introduction to their poster on the day they are scheduled to present. Each participant will be allowed 1-3 slides for the flash talk. Please **submit your slides by July 30th**.

## Housing

Hotel accommodations have been made at no cost to the conference participants.

- Speakers/Panelists: Hilton Garden Inn Corvallis, 2500 SW Western Boulevard Corvallis, Oregon 97333 (Phone: 541-752-5000, building Hilton on the campus map (coordinate F5) on page 5. Check-in begins at 3:00 pm, and you will need to provide your name, a government-issued photo ID, a credit card for incidentals, and the name of the conference (New Researchers Conference). Breakfast at the hotel is also included with your stay at no additional charge.
- New Researchers: Tebeau Hall, SW 13th Street, Corvallis, OR 97331 (Tebeau Hall Duty Phone: 541-230-2617, building Tebe on the campus map (coordinate D7) on page 5). Check-in begins at 3:00 pm, and you will need to provide your name, a government-issued photo ID, and the name of the conference (New Researchers Conference). Breakfast at the McNary Dining Center (1300 SW Jefferson Way, Corvallis, OR 97331, building McDn on the campus map (coordinate C7) on page 5) is also included with your stay at no additional charge.

## Health and Safety information

Important Contacts

- Fire, Police, Ambulance: 911
- OSU Department of Public Safety Emergency: 541-737-7000
- OSU Department of Public Safety Non-Emergency: 541-737-3010

In the case of life-threatening emergencies (fire, a violent crime, or a medical emergency) call 911 immediately, then call OSU Department of Public Safety Emergency 541-737-7000, telling them that you have already called 911.

## **Preparing to Teach Workshop**

The 8th Preparing for Careers in Teaching Statistics and Data Science Workshop will be held in the LaSells Stewart Center on August 3, 2024. The workshop is designed for graduate students and recent PhDs interested in careers in teaching statistics and data science. Priority will be given to graduate students who finished or will be finishing their program between Spring 2024 and Fall 2025. For more information visit: <https://preparingtoteach.org>. NRC attendees may attend sessions offered by this workshop after the NRC agenda is complete.

## **Transportation to Downtown Portland**

At the conclusion of the NRC on Saturday (2 pm), August 3rd, we will provide bus service directly from the NRC to the JSM conference location (Oregon Convention Center). There will be an option for a later bus (5 pm) for participants who are also attending the co-located Preparing to Teach workshop.



# Speakers and Panelists

- **Genevera Allen**, Professor of Statistics and Zuckerman Institute, Columbia University
- **Eleanor Feingold**, Dean of the College of Science, Department of Statistics, Oregon State University
- **Liza Levina**, Vijay Nair Collegiate Professor and Chair, Department of Statistics, University of Michigan
- **Jeffrey Leek**, Chief Data Officer, Vice President, and J Orin Edson Foundation Chair of Biostatistics at the Fred Hutchinson Cancer Center.
- **Xihong Lin**, Professor of Biostatistics and Statistics, Harvard University
- **Tapabrata Maiti**, Program Director, NSF Division of Mathematical Sciences Program Chair; Foundation Professor of Statistics and Probability, Michigan State University
- **Adrian Raftery**, Blumstein-Jordan Professor of Statistics and Sociology, University of Washington.
- **Richard Samworth**, Professor of Statistical Science, Director of the Statistical Laboratory, Cambridge University
- **Chengchun Shi**, Associate Professor, Department of Statistics, London School of Economics and Political Science
- **Victoriya Volkova**, NIH Scientific Review Officer
- **Jean Yang**, Professor and a NHMRC CDF Fellow, School of Mathematics and Statistics, University of Sydney
- **Heping Zhang**, Susan Dwight Bliss Professor of Biostatistics, Yale University
- **Tian Zheng**, Professor and Department Chair of Statistics, Columbia University
- **Ji Zhu**, Susan A. Murphy Collegiate Professor, Department of Statistics, University of Michigan

# Schedule

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## Wednesday June 31

12:00pm – 8:00pm *Check in at Hilton Garden Inn/Tabeau Hall*  
Address 1: Hilton Garden Inn Corvallis  
2500 SW Western Boulevard, Corvallis, Oregon 97333  
Address 2: Tebeau Hall  
SW 13th Street, Corvallis, Oregon 97331

5:00pm – 12:00am *Free time*

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## Thursday August 1

7:00am – 8:00am *Breakfast available at Hilton Garden Inn/McNary Dining Center*

8:30am – 8:45am **Morning Introductions**  
Eleanor Feingold, Dean of the College of Science, Oregon State University  
Yuan Jiang, Associate Professor of Statistics, Oregon State University  
Armeen Taeb, Assistant Professor of Statistics, University of Washington  
Pragya Sur, Assistant Professor of Statistics, Harvard University

8:45am – 9:45am **Plenary Talk & Tweedie Award Presentation**  
Chengchun Shi, London School of Economics

9:45am – 10:00am **Coffee Break**

10:00am – 11:40pm **Flash Talks**

12:00pm – 1:30pm **Lunch**

1:30pm – 2:30pm **Poster Session**

2:45-3:25 **Faculty Talk**  
Jeff Leek, Fred Hutchinson Cancer Center

3:25pm – 3:40pm **Coffee Break**

3:40pm – 4:40pm **Mentoring Panel**  
Genevera Allen, Columbia University  
Eleanor Feingold, Oregon State University  
Jeffery Leek, Fred Hutchinson Cancer Center

Adrian Raftery, University of Washington  
Moderator: Nikos Ignatiadis, Assistant Professor, University of Chicago  
4:40pm – 12:00am *Free time*

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## **Friday August 2**

7:00am – 8:00am *Breakfast available at Hilton Garden Inn/McNary Dining Center*

8:30am – 10:30am **Faculty Talks**  
Richard Samworth, Cambridge University  
Ji Zhu, University of Michigan  
Adrian Raftery, University of Washington

10:30am – 10:45am **Coffee Break**

10:45am – 12:00am **Funding Panel**  
Liza Levina, University of Michigan  
Tapabrata Maiti, Michigan State University and NSF Program Director  
Victoriya Volkova, NIH Scientific Review Officer  
Heping Zhang, Yale University  
Moderator: Fei Xue, Assistant Professor, Purdue University

12:00am – 1:30pm **Lunch**

1:30pm – 3:30pm **Faculty Talks**  
Heping Zhang, Yale University  
Xihong Lin, Harvard University  
Jean Yang, University of Sydney

3:30pm – 3:45pm **Coffee Break**

3:45am – 5:00am **Publishing Panel**  
Richard Samworth, Cambridge University  
Ji Zhu, University of Michigan  
Genevera Allen, Columbia University  
Tian Zheng, Columbia University  
Moderator: Dan Kessler, Assistant Professor, University of North Carolina

5:00pm – 5:30pm **Group Photo Session**

6:00pm – 9:00pm **Banquet and A Short Speech by Pragya Sur**

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## **Saturday August 3**

7:00am – 8:00am *Breakfast at Hilton Garden Inn/McNary Dining Center*

8:30am – 9:50am **Faculty Talks**  
Genevera Allen, Columbia University

	Tian Zheng, Columbia University
9:50am – 10:10am	<b>Coffee Break</b>
10:10am – 11:10am	<b>Collaboration Panel</b> Xihong Lin, Harvard University Adrian Raftery, University of Washington Jean Yang, University of Sydney Heping Zhang, Yale University Ji Zhu, University of Michigan Moderator: Hengrui Cai, Assistant Professor, University of California at Irvine
11:20am – 12:30pm	<b>Future of Statistics Panel</b> Liza Levina, University of Michigan Xihong Lin, Harvard University Richard Samworth, Cambridge University Tian Zheng, Columbia University Moderator: Song Mei, Assistant Professor, University of California at Berkeley
12:30pm – 2:00pm	<b>Lunch</b>
2:00pm	<b>First Bus to Portland</b>
5:00pm	<b>Second Bus to Portland</b>

# List of Posters/Talks

This is the order of flash talks.

1. Doudou Zhou
2. Jingming Wang
3. Ruohui Chen
4. Joshua Loyal
5. Brian Williamson
6. Blad Margarint
7. YanShuo Tan
8. Siyu Heng
9. Didong Li
10. Jiayi Wang
11. Jing Zhou
12. Shiya Cao
13. Chan Park
14. Chunlin Li
15. Lucy Lu
16. Fei Xue
17. Tate Jacobson
18. Drew Yarger

19. Shan Yu
20. Peng Zhao
21. Rakheon Kim
22. Wooseok Ha
23. Keren Li
24. Satarupa Bhattacharjee
25. Sifan Liu
26. Ying Zhou
27. Anna Neufeld
28. Samidha Shetty
29. Benjamin Leiwand
30. Bingkai Wang
31. Hengrui Lui
32. Yisha Yao
33. Christopher Harshaw
34. Daniel Kessler
35. Samuel Baugh
36. Xinzhou Ge
37. Yuzhou Chen
38. Kaitlyn Cook
39. Evan Kwiatkowski
40. Michael Weylandt

41. Tiantian Yang

42. Carlos Sotto

43. Ran Chen

44. Tianhai Zhu

45. Hengrui Cai

46. Yuming Sun

## Local information

If you would like to have dinner on your own, below are some restaurants close to campus:

- Thai Chili (Thai)
- Local Boyz Hawaiian Cafe (Hawaiian)
- Lemongrass Noodle House (Vietnamese)
- Hana Sushi and Izakaya (Japanese)
- McMenamins on Monroe (American)
- K-BBQ EXPRESS (Korean)
- Bombs Away Cafe (Mexican)
- Tarn Tip Thai Cuisine (Thai)

You can also find more restaurants in downtown Corvallis:

- del Alma (Latin American, Caribbean, Spanish)
- Block 15 Brewery & Restaurant (American)
- Koriander (Korean)
- Caves (Modern European)
- Castor Kitchen & Bar (Latin, French, Spanish)
- Magenta Restaurant (American, Asian)
- Aomatsu Japanese Restaurant (Japanese)
- Thai Home Kitchen (Thai)



# Acknowledgements

## Organizers

## Co-Organizers

### **Yuan Jiang**

Associate Professor of Statistics  
Oregon State University

### **Armeen Taeb**

Assistant Professor of Statistics  
University of Washington

## Student Volunteers

### **Daniel R. Malone Buoy**

Master's Student  
Oregon State University

### **Patrick Carroll**

Doctoral Student  
Oregon State University

### **Evan Flint**

Master's Student  
Oregon State University

### **Trent VanHawkins**

Doctoral Student  
Oregon State University

### **Hayden Vaughn**

Master's Student  
Oregon State University

### **Jingtian Yu**

Doctoral Student  
Oregon State University

### **Rong Yu**

Doctoral Student  
Oregon State University

## Off-site Organizers

### **Pragya Sur**

Assistant Professor of Statistics  
Harvard University

### **Alexander Volfovsky**

Assistant Professor of Statistical Science  
Duke University

## Sponsors

The Institute of Mathematical Statistics New Researchers Conferences is funded by the National Science Foundation. Additional funding is provided by the Institute for Mathematical Statistics, College of Science and Department of Statistics at Oregon State University, Department of Statistics at University of Washington. We thank our sponsors for their generous support of the NRC.

