

ICAM Week of Science 2026 (8/31 to 9/4/2026)

Start	End	Monday Aug 31	Tuesday Sept 1	Wednesday Sept 2	Thursday Sept 3	Friday September 4		
8:30	9:00			Opening				
9:00	9:20	<i>"Immune System Recognition of Tumors: The role of T-cell/Antigen Binding Second Talk Plasticity Governs Tumor Progression"</i> Herbie Levine	ICAM SSC Meeting	<i>"New Probes of Strange Metals"</i> Silke Paschen	<i>"Many-body quantum geometric effects and entanglement at the 3D metal-insulator quantum phase transition"</i> Peter Armitage	<i>"When the Lattice Strikes Back: The Impact of Incompatible Strain on Correlated Electronic Phenomena"</i> Joe Meese, UIUC		
9:20	9:40				<i>"Cuprate Superconductivity Beyond the Dome"</i> Inna Vishik		<i>"Exploring Layered Magnets via Raman Spectroscopy: From Weyl Semimetals to Multiferroics"</i> Shreenanda Ghosh	
9:40	10:00							
10:00	10:20		Coffee Break	Plenary 6 - Allan Tennant	<i>"KTb superfluid density jump observed by magnon propagation in an antiferromagnet/BSCCO heterostructure"</i> Joe Orenstein	<i>"Observing Two-Electron Interactions with Correlation-ARPES"</i> Eduardo da Silva Neto		
10:20	10:40	<i>"Life in a Tight Spot: Spying on Microbes in Complex Spaces"</i> Sujit Datta	ICAM SSC Meeting					
10:40	11:00							
11:00	11:20	Coffee Break		Coffee Break	Coffee Break	Coffee Break		
11:20	11:40		Coffee Break	Workshop Talk 1 - Hung-Cheng Wu	Round Table 2	<i>"Gyrotropic Effects in Magic-Angle Twisted Bilayer Graphene"</i> Aharon Kapitulnik		
11:40	12:00	Round Table 1						
12:00	12:20		<i>"First-principles AI for quantum matter"</i> Liang Fu	<i>"Triangular Lattice Magnets: Hidden Order and Dimer Criticality"</i> Tessa Cookmeyer	Lunch	<i>"Evidence for Topological Superconductivity in UTe2"</i> Vidya Madhavan		
12:20	12:40							
12:40	13:00	Lunch		Lunch	Lunch	Adjourn		
13:00	13:20		Excursion					
13:20	13:40							
13:40	14:00							
14:00	14:20	<i>"Topological Rigidity and non-Abelian Line Defects"</i> Mark Bowick						<i>"Quantum Sensors for Quantum Matter"</i> Jorg Wrachtrup
14:20	14:40							
14:40	15:00			<i>"Quantum Sensing of Quantum Materials"</i> Chunhui Du	<i>"Mapping Correlation Phenomena in Heavy Fermions: A Solid State NMR Perspective"</i> Ricardo Urbano			
15:00	15:20	<i>"Using Physics as a Microscope to Dissect Transcriptional Dynamics in Development"</i> Hernan Garcia		<i>"Nuclear Spin Quantum Sensing in Chemistry, Biology and Medicine"</i> Thomas Theis	<i>"Microwave Imaging of Layered Quantum Materials"</i> Monica Allen			
15:20	15:40							
15:40	16:00	Coffee Break		Coffee Break	Coffee Break			
16:00	16:20							
16:20	16:40	<i>"Topology Protects Robust Function in Living and Soft Matter"</i> Evelyn Tang		Poster Session	<i>"Visualizing the Odd-Parity Superconducting Order Parameter and Its Quasiparticle Surface Band in UTe2"</i> Shuqiu Wang			
16:40	17:00							
17:00	17:20	<i>"Bending Space and Delaying Time: Breaking symmetries in active matter"</i> Daniel Sussman						
17:20	17:40							
17:40	18:00		Conference Dinner					
18:00	18:20							
18:20	18:40							
18:40	19:00							
19:00	19:20							
19:20	19:40							

* Tentative speaker

ICAM Week of Science

Monday August 31, 2026

- 8:45 **Dean Estella Atekwana**, *UC Davis College of L & S* (15 min)
Welcome Address
- 9:00 **Herbie Levine**, *Northeastern* (60 min)
Plasticity governs tumor progression
- 10:00 **Sujit Datta**, *Caltech* (60 min)
Life in a Tight Spot: Spying on Microbes in Complex Spaces
- 11:00 Coffee Break (40 min)
- 11:40 **Round Table Discussion** (60 min)
- 12:40 Lunch (80 min)
- 14:00 **Mark Bowick**, *UC Santa Barbara* (60 min)
Topological Rigidity and non-Abelian Line Defects
- 15:00 **Hernan Garcia**, *Berkeley* (40 min)
Using Physics as a Microscope to Dissect Transcriptional Dynamics in Development
- 15:40 Coffee Break (40 min)
- 16:20 **Evelyn Tang**, *Rice* (40 min)
Topology protects robust function in living and soft matter
- 17:00 **Daniel Sussman**, *Emory* (40 min)
Bending Space and Delaying Time: Breaking symmetries in active matter
- 17:40 End of day 1

Tuesday September 1, 2026

9:00 **ICAM SSC Meeting** (60 min)

10:00 Coffee Break (20 min)

10:20 **ICAM SSC Meeting** (60 min)

11:20 Coffee Break (40 min)

12:00 **Liang Fu, MIT** (60 min)
First-principles AI for quantum matter

13:00 Lunch (80 min)

14:20 Excursion

18:00 Conference Dinner

19:40 End of day 2

Wednesday September 2, 2026

- 9:00 **Silke Paschen**, *TU Wien* (60 min)
New Probes of Strange Metals
- 10:00 **Alan Tennant**, *University of Tennessee, Knoxville* (60 min)
TBD
- 11:00 Coffee Break (40 min)
- 11:40 **Hung-Cheng Wu**, *National Sun Yat-sen University, Taiwan* (40 min)
TBD
- 12:20 **Tessa Cookmeyer**, *UC Davis* (40 min)
Triangular lattice magnets: hidden order and dimer criticality
- 13:00 Lunch (60 min)
- 14:00 **Jorg Wrachtrup**, *Stuttgart University and Max Planck Institute* (40 min)
Quantum Sensors for Quantum Matter
- 14:40 **Chunhui Du**, *Georgia Tech* (40 min)
Quantum Sensing of Quantum Materials
- 15:20 **Thomas Theis**, *UC Davis* (40 min)
Nuclear Spin Quantum Sensing in Chemistry, Biology and Medicine
- 16:00 Coffee Break (40 min)
- 16:40 **Poster Session**
- 17:40 End of day 3

Thursday September 3, 2026

- 9:00 **Peter Armitage**, *John Hopkins* (40 min)
Many-body quantum geometric effects and entanglement at the 3D metal-insulator quantum phase transition
- 9:40 **Inna Vishik**, *UC Davis* (40 min)
Cuprate superconductivity beyond the dome
- 10:20 **Joe Orenstein**, *UC Berkeley* (40 min)
KTB superfluid density jump observed by magnon propagation in an antiferromagnet/BSCCO heterostructure
- 11:00 **Coffee Break** (40 min)
- 11:40 **Round Table Discussion** (60 min)
- 12:40 **Lunch** (80 min)
- 14:00 **Tanusri Saha Dasgupta** *S. N. Bose Centre, Kolkata* (40 min)
Interplay of SOC and Coulomb Interaction – Route to Unconventional Magnetism
- 14:40 **Ricardo Urbano**, *Universidade Estadual de Campinas* (40 min)
Mapping Correlated Electron Phenomena in Heavy Fermions: A Solid State NMR Perspective
- 15:20 **Coffee Break** (40 min)
- 16:00 **Monica Allen**, *UC San Diego* (40 min)
Microwave imaging of layered quantum materials
- 16:40 **Shuqiu Wang**, *University of Bristol* (40 min)
Visualizing the Odd-Parity Superconducting Order Parameter and Its Quasiparticle Surface Band in UTe₂
- 17:20 **End of day 4**

Friday September 4, 2026

- 9:00 **Joe Meese**, *UIUC* (40 min)
When the Lattice Strikes Back: The Impact of Incompatible Strain on Correlated Electronic Phenomena
- 9:40 **Shreenanda Ghosh**, *University of Cologne* (40 min)
Exploring Layered Magnets via Raman Spectroscopy: From Weyl Semimetals to Multiferroics
- 10:20 **Eduardo da Silva Neto**, *Yale* (40 min)
Observing two-electron interactions with correlation-ARPES
- 11:00 **Coffee Break** (40 min)
- 11:40 **Aharon Kapiltunik**, *Stanford* (40 min)
Gyrotropic Effects in Magic-Angle Twisted Bilayer Graphene
- 12:20 **Vidya Madhavan**, *UIUC* (40 min)
Evidence for Topological Superconductivity in UTe_2
- 13:00 **Adjourn**