

CASCADIA ADVANCED GENOMIC TECHNOLOGIES

Conference Program
May 14 - 15, 2026

At a glance: 13 talks • 1 keynote • 10 flash talks • posters + happy hour

Thursday, May 14th - 1:00 PM - 5:30 PM, followed by poster session and happy hour

Time	Activity	Location
1:00 - 1:30 PM	Registration & arrival coffee	Lobby & Atrium
1:30 - 1:45 PM	Welcome & introduction	Auditorium
Session I	Understanding and Engineering DNA Sequence to Function <i>Chair: Florence Abadie</i>	Auditorium
1:45 - 2:05 PM	Abdul Muntakim Rafi – Active learning for sequence-to-expression models	
2:05 - 2:25 PM	Shreyash Sonthalia – Machine-guided design of large-scale chromatin patterns	
2:25 - 2:45 PM	Wei Chen – De novo design of transcription regulators with AlphaFold	
2:45 - 3:05 PM	Dogancan Ozturan – Synthetic DNA sequences for active nuclear transport	
3:05 - 3:25 PM	Coffee break	Atrium
Session II	De Novo Protein Design and High Throughput Screening <i>Chair: Troy McDiarmid</i>	Auditorium
3:25 - 3:45 PM	Yuliya Politanska, Enisha Sehgal – RFdiffusion3 for sequence-specific DNA-binding proteins	
3:45 - 4:05 PM	Shiri Levy – AI-designed EpiBinders for epigenome editing	
4:05 - 4:25 PM	Sayandeep Gupta – Proteome-scale heterologous expression for binder screening	
4:25 - 5:00 PM	Break / poster setup	Atrium
5:00 - 5:30 PM	Flash Talks	Atrium
5:30 - 7:30 PM	Poster Session + Happy Hour	Atrium

Friday, May 15th - 8:00 AM - 1:35 PM, ending with lunch

Time	Activity	Location
8:00 - 9:00 AM	Breakfast	Atrium
9:00 - 10:00 AM	Keynote from Caleb Bashor	Auditorium

Session III **Engineering Cells** | Chair: Hina Ifthikar Auditorium

10:00 - 10:20 AM	Ross Jones – Synthetic genetic controllers for cell fate reprogramming
10:20 - 10:40 AM	Brock Roberts – Synthetic morphogenesis with hiPSC-derived synthoids
10:40 - 11:00 AM	Carl deBoer – Molecular & computational tools for genome regulation
11:00 - 11:20 AM	Coffee break

Session IV **Session IV: Next Generation Tools** | Chair: Sanjay Srivatsan Auditorium

11:20 - 11:40 AM	Andrew Stergachis – Fiber-seq for the diploid chromatin epigenome	
11:40 - 12:00 PM	Daphne Kontogiorgos-Heintz – Multi-pass nanopore protein sequencing	
12:00 - 12:20 PM	Jay Shendure - Evolutionary transfer learning enables organism-wide inference of mammalian enhancer landscapes	
12:20 - 12:35 PM	Closing remarks	Auditorium
12:35 - 1:35 PM	Lunch	Atrium