

Title: Graph representation learning of gene expression data

Abstract: Artificial intelligence (AI) and single-cell studies have been making waves in the science and technology communities. AI offers a broad range of methods that can be used to investigate diverse data- and hypothesis-driven questions in single-cell biology (Ma, Q., Xu, D. Deep learning shapes single-cell data analysis. Nat Rev Mol Cell Biol, 2022). The highly heterogeneous nature of single-cell data can be analyzed across a wide range of research topics by generalizing deep- learning model design and optimization in a hypothesis-free manner. This talk will introduce in-house graph representation learning methods for gene expression data to discover underlying mechanisms in diverse biological systems.

Topic: Nankai University International Academic Forum on Artificial Intelligence and Robotics (Lecture 43, Issue 29)

Time: 11:00 am, December 9, 2022 Beijing, Shanghai

Join a Zoom meeting

<https://us06web.zoom.us/j/88158018511?pwd=L2Z1bDZESTFCKzJYZWduYVhWenYvZz09>

Conference number: 881 5801 8511

Password: 514529

One-key dialing

+13092053325,,88158018511#,,,,*514529# USA

+13126266799,,88158018511#,,,,*514529# United States (Chicago)

Dial based on your location

+1 309 205 3325 USA

+1 312 626 6799 USA (Chicago)

+1 346 248 7799 USA (Houston)

+1 360 209 5623 USA

+1 386 347 5053 USA

+1 507 473 4847 USA

+1 564 217 2000 USA

+1 646 558 8656 USA (New York)

+1 646 931 3860 USA

+1 669 444 9171 USA

+1 689 278 1000 USA

+1 719 359 4580 USA

+1 720 707 2699 United States (Denver)

+1 253 205 0468 USA

+1 253 215 8782 USA (Tacoma)

+1 301 715 8592 USA (Washington DC)

+1 305 224 1968 USA

Conference number: 881 5801 8511

Password: 514529

Find a local number: <https://us06web.zoom.us/j/kvds5irCx>_____