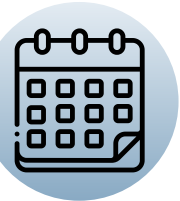


Event Recap



September

- **Biotech & Brews** ft. Louis E. Metzger IV, PhD

October

- Biomed & Biotech **Industry Panel** with UTSW BMES

December

- **Biotech & Brews** ft. Kaylor Kowash, RPh, MBA
- **UTSW Blackstone LaunchPad Speaker Series** ft. Stephanie Wisner

February

- BioNTX 2023 **Career Expo**
- **Seminar Series** ft. Ana Cadete Pires, PharmD, PhD

March

- **A Day At** ReCode Therapeutics
- **Biotech & Brews** ft. Jeff Edelson, MD

April

- How to **Catapult your Career in Industry** ft. Catapult Solutions Group
- **UTSW Blackstone LaunchPad Speaker Series** ft. James Peyer, PhD
- **Seminar Series** ft. Jeff Kuo, JD & Adam Rehm, JD

Read more about these events and stay up to date on upcoming events and initiatives by visiting www.biotechnologyclubutsw.com/upcoming-events/

BIOTECH CLUB

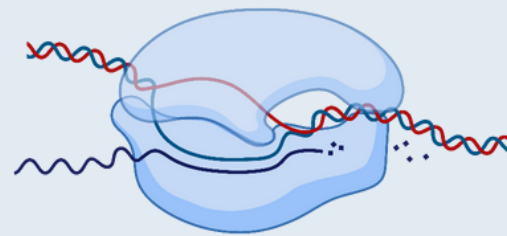
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UT SOUTHWESTERN

2022
2023 Newsletter

Biotech Breakthrough

Gene regulation by functional partitioning



Researchers from UTSW Medical Center discovered that the charge patterning in intrinsically disordered regions (IDRs) of transcriptional regulators mediate selective partitioning, which has functional consequences for gene activation. Lyons et al. focused on protein MED1, which forms part of the transcriptional machinery critical for gene regulation. MED1 has a large IDR known to compose part of some biomolecular condensates. The researchers exploited this property and exposed MED1 to human nuclear extracts to isolate MED1 condensates and determined the components that harbor inside and/or outside the condensates.

Analytical results show that positive transcriptional regulators are enriched in MED1 condensates, and the negative regulators are excluded out. Further investigations show that charge patterning in IDR dictates this selective partitioning. Researchers demonstrate by removing or adding IDRs, they can control the proteins included in the condensates, which has functional consequences. These findings may provide a new approach to control gene regulation and a tool to tackle various diseases.

<https://doi.org/10.1016/j.cell.2022.12.013>

MEET OUR TEAM!



Maggie Wang
President



Ryan Kowash
Vice-President



Akansha Shah
Biotech Advisor



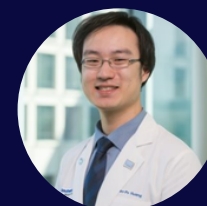
Abbas Zaki
Operations



Kara Poole
Marketing & Communications



Yehui Sun
Engagement



Shawn Huang
External Affairs



June Ho Hwang
International Relations



Tanner Reese
Alumni Relations

Join the Biotech Club Exec Team

Apply to join the exec team and help shape the future of our organization! We're excited to announce available positions that will allow you to network and get more involved with our mission of exploring careers in industry.



Apply Here

Click or scan the QR code to see the application form for more information and instructions on how to apply. Don't miss out on this opportunity to make a difference in the Biotech Club and your future career!

Submit your completed application form as a PDF document to biotech.club@utsouthwestern.edu by 5 PM on August 1st.

Please don't hesitate to contact us if you have any questions about the team or the application process!



PhD to Industry Mentorship Program

As one of the Biotech Club's new initiatives for 2022-2023, the *PhD to Industry* Mentorship Program aimed to match UTSW trainees that are interested in pursuing a career outside of academia with professionals currently working in industry. 32 trainees participated this year, and we are looking forward to expanding the program for the 2023-2024 academic year!

www.biotechnologyclubutsw.com/mentorship-program/

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