

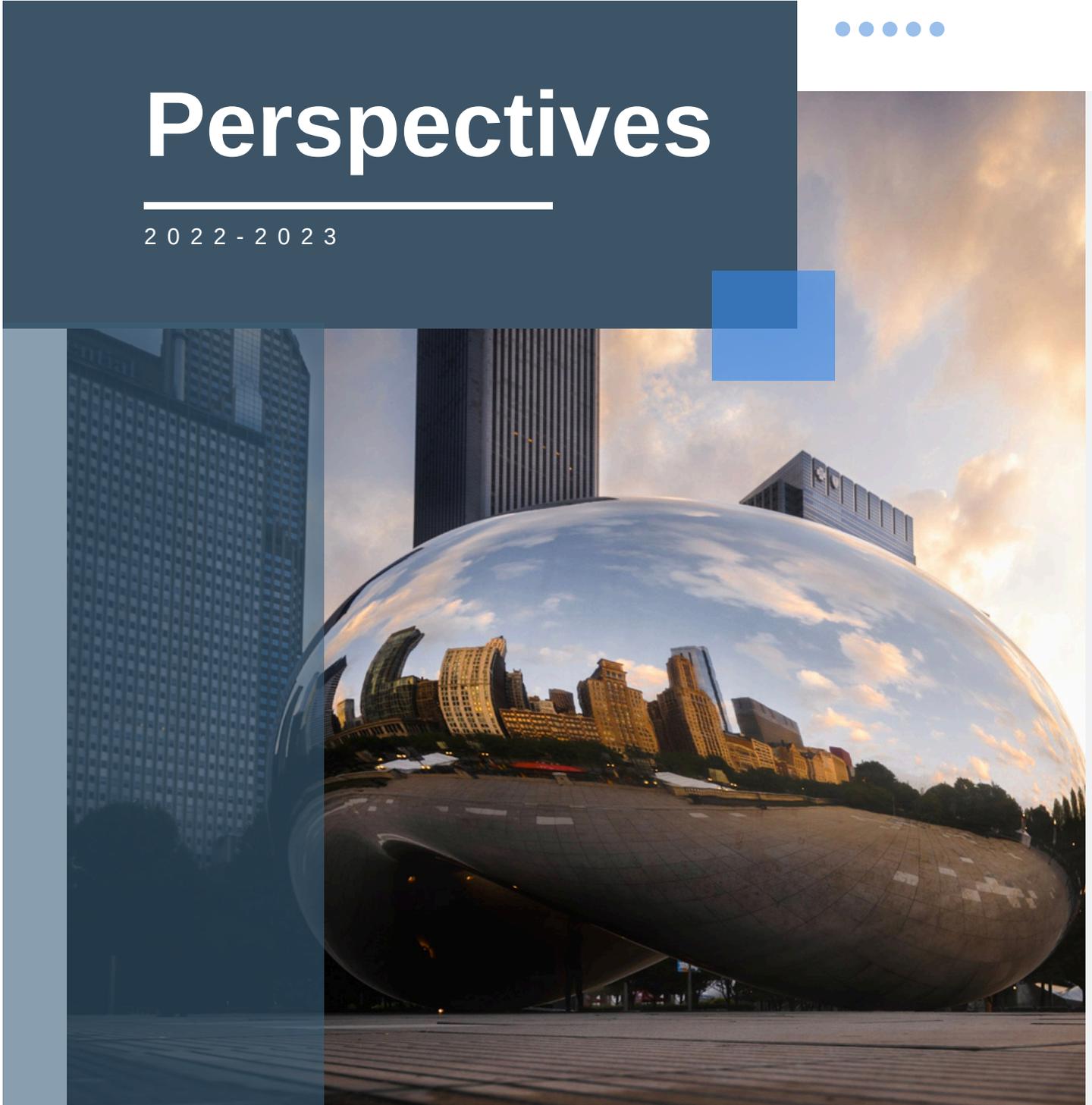


CHICAGO
BIOMEDICAL
CONSORTIUM

THE UNIVERSITY OF CHICAGO
UNIVERSITY OF ILLINOIS CHICAGO
NORTHWESTERN UNIVERSITY

Perspectives

2022 - 2023



CBC Mission

The mission of the Chicago Biomedical Consortium (CBC) is to stimulate collaboration among scientists at Northwestern University, The University of Chicago, the University of Illinois Chicago and other Chicagoland institutions to accelerate discovery and expand the Chicago based life sciences ecosystem in order to transform life science research into biomedical applications, create inclusive Chicagoland opportunities, and improve the health of humankind.

The CBC Will:



- Work towards an inclusive and equitable Chicagoland life sciences landscape of institutions and industry that works for all citizens of Chicago
- Expand collaborations to build a “One Chicago” life sciences ecosystem that is a destination for visionary biotech companies and talent
- Provide faculty and trainees developing therapeutics the critical centralized analytics, industry validation, and networks of expertise needed for translation
- Mentor and develop a strong cadre of biomedical leaders, researchers, and entrepreneurs in Chicago
- Facilitate development of therapeutics that will, over the long term, improve the health of citizens of Chicago and beyond.



Director's Corner



Michelle B. Hoffmann, PhD
Executive Director

Michelle Hoffmann, PhD, has been serving as Chicago Biomedical Consortium's Executive Director since August 2021. Prior to this role, from 2019-2021, Hoffmann was the senior vice president of Deep Tech at P33, a privately funded nonprofit charged with elevating Chicagoland's innovation economy and driving inclusive economic growth. Prior to that, Michelle was Senior Vice President at Back Bay Life Science Advisors, a life sciences strategic advisory firm.

CBC Team



Kimberly Corn
Director of Finance and Operations



Kelley Dragoo
Executive Assistant



Eleonora Gatta, PhD
Senior Associate Director
New Program Innovation and Entrepreneurship



Corinna Kitcharoen
Associate Director
Events and Communications



Elizabeth McMath, PhD
Senior Director
New Program Innovation and Entrepreneurship



Nancy Tyrrell
Director
Translational Science Programs and Initiatives

Leadership and Board Members

The CBC is supported by a number of academic leaders from Northwestern University, The University of Chicago, and the University of Illinois Chicago (UIC). In addition to Chicago area leadership, our board membership includes a group of interdisciplinary advisors outside of the CBC's member institutions. The CBC boards meet regularly to discuss CBC initiatives, award and educational programs, and strategies.



Executive Oversight Board (EOB)

Erin J. Adams, PhD	<i>Vice Provost for Research & Senior Research Officer</i> The University of Chicago
Angel Gibson	<i>Executive Vice President</i> Kinship Foundation (The Searle Family)
Joanna Groden, PhD	<i>Vice Chancellor for Research</i> University of Illinois Chicago
Eric J. Perreault, PhD	<i>Vice President for Research</i> Northwestern University

Scientific Advisory Board* (SAB)

Luisa DiPietro, PhD	University of Illinois Chicago
Richard Morimoto, PhD	Northwestern University

**Scientific Advisory Board recruitment currently in progress*

Ad Hoc Science Board**

AbbVie James Kath, PhD Steve Elmore, PhD	Portal Innovations Yuan Zhang, PhD, MS
Agent Capital Vissaagan Gopalakrishnan, MD	Rush University Medical Center Annabelle Santos Volgman, MD
Deerfield Eric Schiffhauer, PhD	Sernova Modestus Obochi, PhD, MBA
Flare Therapeutics Jim Audia, PhD	SV Health Investors Jim Summers, PhD
Janssen R&D Michael Bemben, PhD	The University of Chicago Diana Bolotin MD, PhD Jeff Hubbell, PhD Kay McLeod, PhD Kunal Desai, MD, MBA Raghu Mirmira, MD, PhD Savas Tay, PhD Scott Oakes, MD
Mayo Clinic Svetomir Markovic, MD, PhD	University of Illinois Chicago Brian Layden, MD, PhD Joanna Burdette, PhD Terry Moore, PhD
Northwestern University Amy Heimberger, MD Evan Scott, PhD Lisa Dhar, PhD Priya U Kumthekar, MD Satish Nadig, MD, PhD	
OrbiMed Jim Sullivan, PhD	

Accelerator Venture Board (AVB)

2Flo Ventures	Illinois Ventures
AbbVie	Indie Bio
AbbVie Ventures	Insight Partners
Abingworth	J&J Innovation
Agent Capital	KdT Ventures
ARCH Venture Partners	Lilly Ventures
Astellas	OMX Ventures
Astra Zeneca	MPM Capital
Atlas Ventures	OCA Ventures
Back Bay Life Science Advisors	Orbimed
Bain Capital	PACE Healthcare Capital
Bessemer Venture Partners	Pathway Bioventures
Blackbird Labs	Portal Innovations
Breakout Ventures	Prime Mover Labs
Changer Capital	Qral Group
Cincytech Bio	Recordati
Cooley LLP	Undettered Capital
Deep Work Capital	Venture Investors
Deerfield	Xontogeny
Foresight Capital	

*** in addition to the ad hoc panel listed here, we engage domain experts during each ad hoc committee meeting, depending on the therapeutic focus of the applications under review.*

.....

The View From Here



Biotech is built on cutting-edge, early-stage, university-derived research. To capitalize on Chicagoland’s three R1 universities and grow our biotech ecosystem, the CBC will continue to strengthen connections between academic researchers and industry experts, expand our programming and network, all the while promoting the first-rate research happening in our universities.

Our programming is ambitious – but we’ve already seen results. We invite you to celebrate our accomplishments and view our plans for 2024.

The CBC is...



Reaching new ‘HITES’ with an NIH-funded expansion of the CBC

Funded by the NIH’s REACH program, we are proud to launch the Hub for Innovative Technology and Entrepreneurship in Science (CBC-HITES), which will expand CBC programming to Rosalind Franklin University, Loyola University, Rush University, Northern Illinois University, the Illinois Institute of Technology, and the Discovery Partners Institute. *(See page 6)*

Developing a commercialization pipeline from lab bench to bedside

CBC programming equips Chicago’s academic innovators with the education, funding, networks of expertise, and connections to capital that are necessary to turn academic research into medical applications. Over the last two years:

- **The Accelerator Venture Board**, a network of qualified biotech investors who validate our funding decisions, has added 20+ venture firms and industry partners. *(see page 4)*
- **The Accelerator Awards** supplied industry-grade analysis and seed funding to three new translational projects; one has attained year two funding. *(See page 8, 11-12)*
- **Director’s Funds**, which prime our Accelerator Award pipeline, supported 24 translational projects. *(See page 13)*
- **Our Entrepreneurial Fellowship** has trained three diverse cohorts of bio-entrepreneurs; the first set of CBC fellows have successfully found employment in Chicago’s biotech ecosystem. *(See page 14-15)*

Building up and standing out in Chicagoland’s biotech ecosystem

Our high-impact events connect the ecosystem, elevate the CBC brand, and promote our region’s ground-breaking research. Over the last two years:

- **The Chicago BioCapital Summit** showcased 80 Chicago scientist-entrepreneurs and biotech startups to 70+ national venture capitalists, scouts and 400+ attendees. *(See page 9, 22-25)*
- **BiPOC in Biotech** connected 200+ trainees to our local biotech community and the CBC’s Entrepreneurial Fellowship. *(See page 26-27)*
- **Our 19th Annual Symposium** presented interdisciplinary research by clinicians, scientists and epidemiologists to shed new light on stress and diabetes. *(See page 28-29)*
- **CBCAN** fireside chats and science talks connected academics with industry partners. *(See page 20)*

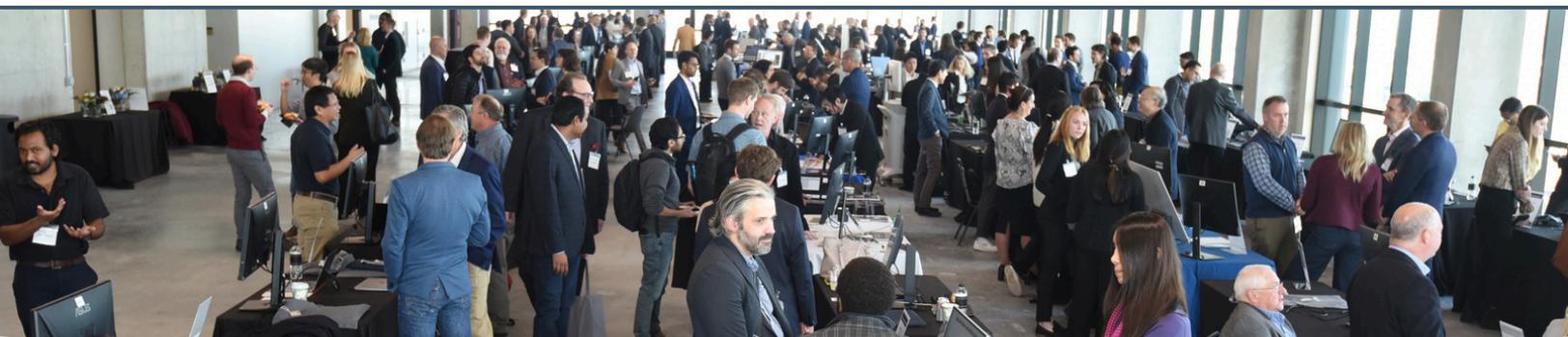


CBC Highlights:

CBC-HITES

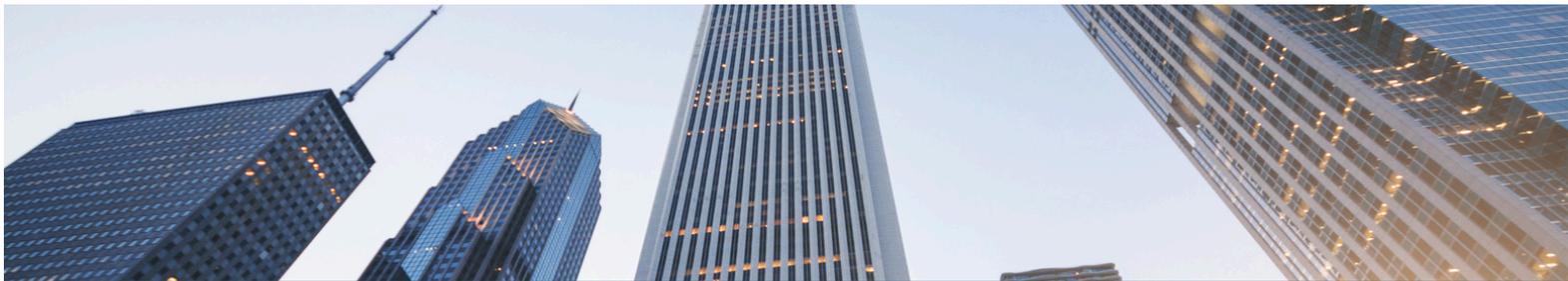
Accelerator Awards

Chicago BioCapital Summit



CBC-HITES

The Chicago Biomedical Consortium Hub for Innovative Technology and Entrepreneurship in the Sciences (CBC-HITES) leverages CBC programming and infrastructure to expand our services beyond the three member institutions to an additional six institutions: Rosalind Franklin University, Loyola University, Rush University, Northern Illinois University, the Illinois Institute of Technology, and the Discovery Partners Institute. CBC-HITES is one of five recent hubs sponsored by the National Institutes of Health (NIH)'s Research Evaluation and Commercialization Hub (REACH) program.



The new hub will be funded by a \$10.4 million investment, including \$6 million in support from The Searle Funds at The Chicago Community Trust, the \$4 million NIH REACH grant, and \$400,000 by the Walder Foundation. In partnership with 27 industry, venture capital, and community organizations, CBC-HITES is unprecedented in the Chicago ecosystem and will accelerate the discoveries of medical scientists from across Chicagoland.



Preparing people to lead extraordinary lives

Accelerator Award

The new Accelerator Award process was launched in the Fall of 2022 and takes most of the burden of the application process off of the faculty members. The GBC analyzes the scientist's idea and presents the idea to the CBC Accelerator Venture Board (AVB), composed of experts from venture capital and industry. The AVB helps us determine which translational projects should be funded by the \$250K Accelerator Award in order to move therapeutic discoveries from the university laboratory to the market.

Year 1 Awardees



PI: Shana Kelley (NU)

The first recipient under the new award process

Drugging the undruggable cancer target

Project: "Allele-specific Mutant KRAS Expression Modulation as a Targeted Anti-KRAS Therapy"



PI: Evan Scott (NU)

Preventing Type 1 diabetes in children

Project: "Tolerogenic Nanodrug for Type 1 Diabetes Prevention: Translation Enabling Studies"



PI: Irina Balyasnikova (NU)

Building smart molecules to attack brain cancer

Project: "Tri-specific T cell engaging protein for the treatment of IL13RA2+/EGFRvIII+ glioblastoma"

November 2nd
2023



Chicago BioCapital Summit



Where vision meets investments ★★★★★



400+ Attendees

70+ different investors and industry representatives



9 Corporate Sponsors

AbbVie, Charles River, Cooley, Cytiva, Deloitte, JP Morgan, Portal Innovations, Trammel Crow Company, Walder Ventures



3 Unique Networking Opportunities

50+ high-profile investors & entrepreneurs at a VIP Dinner
300+ attendees at 2 receptions hosted at Portal Innovations

The Chicago BioCapital Summit was held in-person on November 2, 2023 at Fulton Labs. The highly anticipated all-day affair connected the region’s most cutting-edge, university-originated, life science programs and startup companies with a national audience of industry and venture investors.

Spearheaded by the CBC, the Summit was a collaborative effort with the technology transfer offices of The University of Chicago, Northwestern University, and University of Illinois Chicago, with support from P33 and World Business Chicago.



A video summary of the Chicago BioCapital can be found here:

bit.ly/ChicagoBiotech2023

CBC Awards and Programs:

Accelerator Award

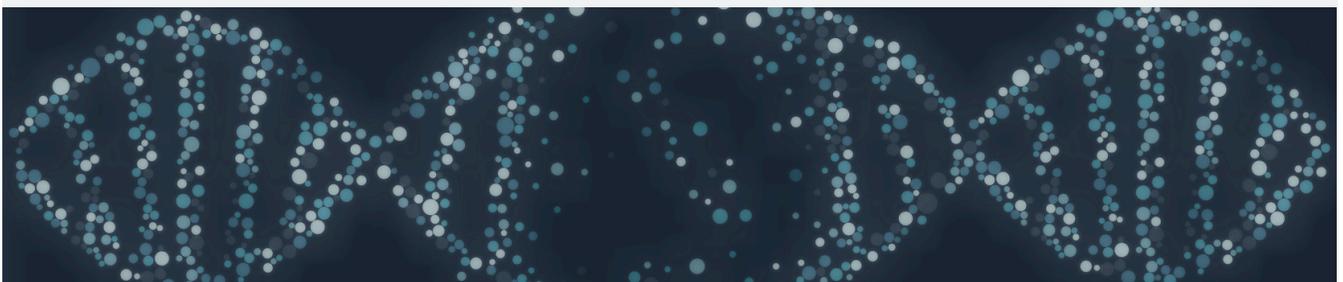
Director's Fund

Entrepreneurial Fellows

Catalyst Award

Affinity Group Award

CBC Accelerator Network (CBCAN)





Accelerator Award

The Accelerator Award program supports translational research at the initial, and therefore highest risk, stage of commercially directed research focused on the development of a therapeutic or an associated biomarker or diagnostic.

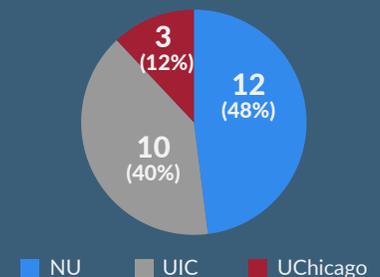
The new Accelerator Award process was launched in Fall of 2022 and takes most of the burden of the application process off of the faculty members.

Accelerator Award Applications are accepted on a rolling basis and are vetted and strengthened by the CBC Entrepreneurial Fellows.

Total Year 1 Awards:
(Spring 2018 - Dec 2023)

21

*Awards per University:



*Each award may have more than one recipient

Total Year 2 Awards:
(2019 - Dec 2023)

14

Once the application is complete, we present the idea to the CBC Accelerator Venture Board (AVB). This board helps us determine the biomedical research projects across our three member universities – University of Chicago, Northwestern, and University of Illinois Chicago – that are most deserving of the Accelerator Award funding program. Up to \$250K, the Accelerator Award supports translational research that moves therapeutic discoveries from the university laboratory to the market.

Year 1 Awardees o o o o



PI: Shana Kelley (NU)

The first recipient under the new award process

Drugging the undruggable cancer target

Project: "Allele-specific Mutant KRAS Expression Modulation as a Targeted Anti-KRAS Therapy"



PI: Evan Scott (NU)

Preventing Type I diabetes in children

Project: "Tolerogenic Nanodrug for Type 1 Diabetes Prevention: Translation Enabling Studies"



PI: Irina Balyasnikova (NU)

Building smart molecules to attack brain cancer

Project: "Tri-specific T cell engaging protein for the treatment of IL13RA2+/EGFRvIII+ glioblastoma"



Director's Fund: Building a Pipeline to Acceleration

Director's Funds (DF) are seed awards that help to bridge the \$250,000 Accelerator Award. The Director's Fund became a vehicle in which experiments, designed in collaboration with the CBC Executive Director, could be efficiently funded to address one or more weaknesses, strengthening the project for future funding through CBC or other award/granting agencies.

Purpose



The Accelerator Award has been fully embraced as an important source of funding for riskier translational research projects, but of even greater importance, as a means of active translational guidance and expertise. As an outgrowth of this program, the CBC Director's Fund Award of the Accelerator Program was introduced as a corollary of the original program to support the advancement of research projects who were not fulfilling the requirements of the Accelerator Award but could benefit from additional guidance and advice.

Impact



The CBC has an opportunity to positively impact far more translational projects than can be funded with full awards. The impact has already been felt with potentially profound implications. Applicants of the Accelerator program who did not receive the award were eager to obtain feedback regarding the weaknesses of their proposals. The partnership with investigators inherent in the Director's Fund also served to differentiate the CBC as a true value-add for the investigators and to distinguish CBC from other funding opportunities available in the community.

Total Awards Given:
(2017 - 2023)

24

Three DF awardees have since gone on to receive full funding through the CBC Accelerator Award program. Additional DF awardees are currently waiting to advance to Accelerator funding in 2024 .



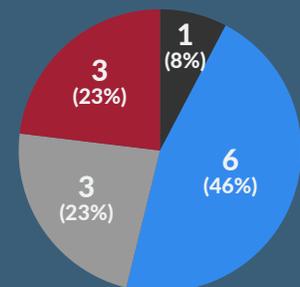
Entrepreneurial Fellows

The CBC Entrepreneurial Fellows (EF) Award program identifies and supports the professional development of junior life sciences investigators who are keen to develop the skills and experiences needed to move translational projects from a university lab toward commercialization and potentially into a Chicago-based biotech start-up. The program exposes Fellows to a breadth of real-world experiences across the CBC institutions and connects trainees to the Chicago biomedical community.



Three
cohorts between
2019-2023
13 Entrepreneurial
Fellows Accepted
from **FIVE** PhD
Institutions

Awards per University:



■ NU ■ UChicago
■ UIC ■ Other*

*Other universities include:
Duke University, The Johns Hopkins
University School of Medicine and
University of Minnesota

Immerse

Working with university faculty and experts in the greater Chicago bioentrepreneurship community

Partner

Partnering with our member institution tech transfer and entrepreneurship offices

Integrate

Integrating with members of the Entrepreneurial Fellows Advisory Board and industry mentors

Current CBC Fellows:



AHMED DISOUKY
PhD from UIC



DENNIS ECHEVARRIA-COOPER
PhD from NU



ELAN NESS-COHN
PhD from NU



SONAL RANGNEKAR
PhD from NU

Since the relaunch of the program in 2019, we have had four female EFs and five of our EFs have been from under-represented groups.



OWEN SHELTON
PhD from NU



LUCAS SHORES
PhD from Duke University



ALEX VILLARREAL
PhD from UMinnesota



CBC Fellows Alumni:



SCHNAUDE DORIZAN
*Venture Acceleration Manager
MATTER*



CARISSA HEATH
*Program Manager
Foresite Labs*



AMANDA MALDONADO
*Innovation Portfolio, Manager
Lurie Children's Hospital*



ERIC SCHIFFHAUER
*Director of Outreach
Deerfield Management*



KAROL SOKOLOWSKI
*Director of Strategic Growth
Portal Innovations*



RACHEL WALLACE
*Scientist, Translational Medicine
Pioneering Medicines*



Catalyst Award

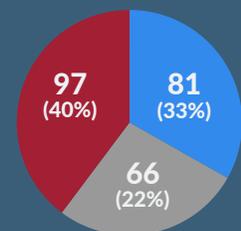
The Catalyst Award has been the longest-running CBC program, which provided funding up to \$250,000 for two-year new, inter-institutional collaborative research projects addressing high-risk/ high-reward fundamental biological and biomedical research.

The Catalyst Award program has been discontinued in 2023 after 32 rounds. The last two awards were made in February 2023 (see awardees on the following page). The Catalyst Award has been replaced with the new Affinity Group Awards program (see page 18-19 for additional details).

Total Awards Given:
(Spring 2006 - Dec 2023)

107

*Awards per University:



■ NU ■ UIC ■ UChicago

*Each award had awardees at two or more universities. (Only two awards had awardees at all three universities)

Two Catalyst Awards were made between 2022-2023

Round 32 Awardees ○○○○



PI(s):

HoJoon Lee (NU) and
Raymond Moellering (UChicago)

Project: "Ultrasensitive Discovery of Circulating Nausea-Inducing Factors"



PI(s):

Juan L. Mendoza (UChicago) and
Curt M. Horvath (NU)

Project: "Modulating the potency of cytokine signaling by optimizing receptor-kinase engagement"



Affinity Group Award

Piloted in Neuroscience, the Affinity Group award was launched in April 2023 as a new program with the overarching goal to provide a framework for selecting high-risk/high-reward research projects in the Neuroscience space. As of June 2023, the Affinity Group Awards program replaced our historical Catalyst Award to promote collaborative inter-institutional exploration of the community's delineated key scientific questions.

The members of the Affinity Group will participate in a collaborative platform where the CBC funds several high-priority collaborations. The Affinity Group awards can range up to \$250,000 total for use over two years.

Objectives:



Build a community of Chicago neuroscientists



Develop research collaborations between Chicago neuroscientists to incorporate orthogonal expertise



Articulate fundamental neuroscience questions to drive collaborations across Chicago scientists



Develop a novel, team science approach to advance attractive scientific projects



Accelerate high-risk/high-reward research

Neuro Affinity Group Steering Committee



SIMON ALFORD
University of Illinois Chicago



EDWIN COOK
University of Illinois Chicago



WILLIAM GREEN
The University of Chicago



INDIRA RAMAN
Northwestern University

Process Overview

The neuroscience pilot award included two in-person workshops and two virtual meetings over a 13-week period, during which proposed projects were refined and prioritized by the community for funding. The first in-person event had 90+ registrants over seven Chicagoland institutions.

Neuro Affinity Group Awardees

Three Awards were made in June 2023.



PI(s):

Rui Gao (UIC) and
Kaiwen Kam (RFUMS)

Project: "Connectomic reconstruction of a hindbrain neural circuit controlling breathing across the lifespan"



PI(s):

Sarah Lutz (UIC) and
Brian Popko (NU)

Project: "Blood-brain barrier dysfunction in vascular dementia"



PI(s):

Ruth Anne Eatock (UChicago) and
Anna Lysakowski (UIC)

Project: "Visualizing evoked activity in vestibular inner ear and afferent projections to brain"

CBCAN

CBC Accelerator Network

The **CBC Accelerator Network (CBCAN)** program has created a community, bringing together industry experts, university technology transfer representatives, investors, researchers and others from the local and extended biomedical community to discuss discoveries that may have commercial potential.

Purpose



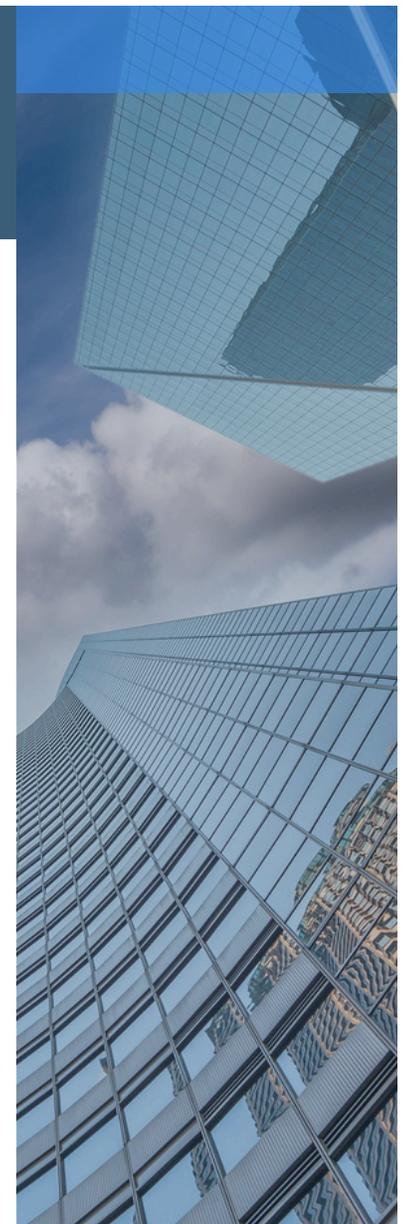
CBCAN meetings have been used to explore and develop community input for the Accelerator Award (AA). Upcoming meetings will provide opportunities for faculty researchers to network with potential investors and industry experts with the goal of move promising research programs into and forward in the pipeline towards commercialization, providing early commercial guidance that universities and university-based researchers need.

Impact



CBCAN meetings have contributed to the development of a strong Chicago life science ecosystem by bringing together many university researchers, investors, and industry representatives. By hosting the meetings at a variety of spaces across the city, we have strengthened collaborations between the CBC, local universities, accelerators and organizations including Discovery Partners Institute, MATTER, mHUB, iBIO, and Portal Innovations.

The 2023 year-end CBCAN event, held in partnership with life science partners including Portal Innovations, iBIO, Chan Zuckerberg Biohub Chicago and Women In Bio, at Portal Innovation gathered 275+ people from the Chicago life science community to review the achievements from 2023 and look ahead to what can be accomplished in 2024.



23
CBCAN meetings
have been hosted
since its
inception in 2017

Ecosystem Building

An important component of the Chicago Biomedical Consortium's past and ongoing success has been the high level of engagement within the Chicago community. The CBC Leadership, staff members and Entrepreneurial Fellows are consistently involved in the Chicago biomedical community and participate in various community programs and organizations.



In 2022 and 2023, the CBC partnered with a number of organizations to bring exciting community building events such as the 19th Annual Symposium, BIPOC in Biotech and, the most recent, Chicago BioCapital Summit.



November 2nd
2023



Chicago BioCapital Summit



Where vision meets investments ★★★★★



400+ Attendees

70+ different investors and industry representatives



10 Corporate Sponsors

AbbVie, Charles River, Cooley, Cytiva, Deloitte, JP Morgan, Portal Innovations, Trammel Crow, Walder Ventures



3 Unique Networking Opportunities

50+ high-profile investors & entrepreneurs at a VIP Dinner

300+ attendees at 2 receptions hosted at Portal Innovations

The Chicago BioCapital Summit was held in-person on November 2, 2023 at Fulton Labs. The highly anticipated all-day affair connected the region's most cutting-edge, university-originated, life science programs and startup companies with a national audience of industry and venture investors.

Spearheaded by the CBC, the Summit was a collaborative effort with the technology transfer offices of The University of Chicago, Northwestern University, and University of Illinois Chicago, with support from P33 and World Business Chicago.



A video summary of the Chicago BioCapital can be found here:

bit.ly/ChicagoBiotech2023



29

Speakers and Presenters

1 Keynote Speaker,
2 Panel Discussions, 1 Fireside Chat,
6 Scientific Lightning Talks



Invited Speakers

Prof. Robert Langer, Co-Founder of Moderna; **Dr. John Leonard**, President and CEO, Intellia Therapeutics; **Dr. Anil Vasudevan**, Senior Director, AbbVie



Scientific Lightning Talks by Scientific Founders

Profs. Alexis Demonbreun and **John Rogers** from NU; **Profs. Brad Merrill** and **Nora Vazquez-Laslop** from UIC; **Profs. Lev Becker** and **Allison Squires** from UChicago



Fireside Chat

IL State Treasurer **Michael Frerichs**, who discussed how his office invests in Illinois biotech



Panel: Commercializing Academic Innovation

Dr. Steve Elmore, VP Platform AbbVie; **Prof. Shana Kelley**, President Chan Zuckerberg Biohub Chicago; **Prof. Rober Langer**, Co-Founder of Moderna; and **William Slattery**, Partner, Deerfield Management

Moderated by Michal Preminger, Regional Head, Johnson & Johnson Innovation



Panel: Midwest Biotech Capital Formation

Dr. Vikram Chaudhery, Co-Founder General Inception; **Daniel Gottlieb**, Assoc. Dir, Broadview Ventures; **Anya Schiess** Managing Partner, JP Morgan Life Sciences Private Capital; and **Dr. Geeta Vemuri**, Founder, Agent Capital

Moderated by John Flavin, CEO and Founder of Portal Innovations

Hall of Inventions:

The highlight of the Chicago BioCapital Summit, featuring Chicagoland's top academic innovators.



80+ Companies

160+ Scientist-Entrepreneurs
across four Chicagoland
universities

VC and industry
representatives spent the day
networking and learning about
cutting-edge technologies
emerging from university labs
and spinout startups



The Buzz

Excitement was evident throughout the day of the Summit and reverberated afterward through online engagement from State Treasurer [Michael Frerichs](#), [World Business Chicago](#), and many others, including:

J&J Innovation

"I want to give a loud shoutout to the Chicago Biomedical Consortium for the impressive work to develop the most optimal conditions allowing innovation from Chicago-based universities University of Chicago, University of Illinois Chicago and Northwestern University to be translated toward meaningful products for patients and mobilized into startups and/or industry partners (...)"

IndieBio

"A big congratulations to ...the CBC ... in bringing together a fantastic group of individuals. It was incredible to see so many founders, investors and biotech partners come together to hear how Chicago is supporting the growth of early-stage science companies (...)"

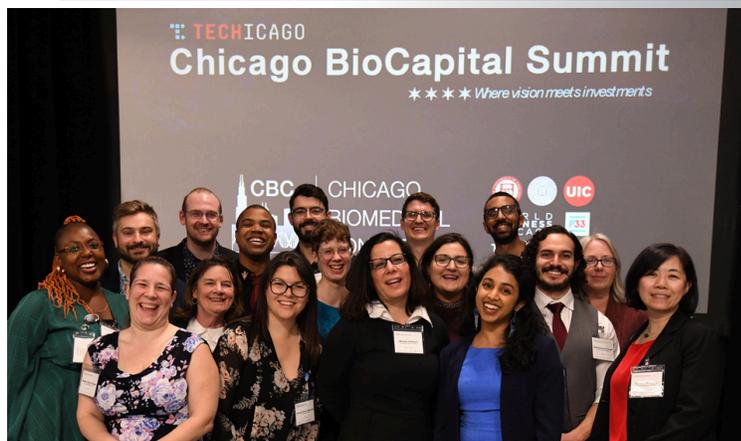
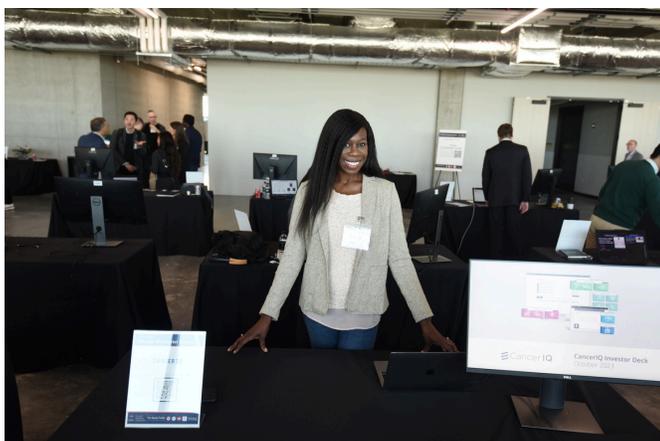
Rhaeos

"I've never seen anything like this event in the city in the close to 20 years I've been working with startups. Simply amazing! Thanks for highlighting great innovation in Chicago (...). This event just let us shine a bit brighter. Go #Chicago!"

Sponsors:



Snapshots:



March 30th
2023

BIPOC in Biotech



150+

Life-science graduate students and postdocs

from under-represented minorities across the major midwestern universities, with additional reach to universities across the country



30+

Local life-sciences companies

recruited PhDs and connected with attendees during the Career Fair portion of the event



16

Speakers

including 3 keynotes, 2 panels, 1 workshop, and 1 live pitch competition

BIPOC in Biotech, co-hosted by CBC, P33, and TechChicago, was a one-of-a-kind career and professional networking event held at Cresa's headquarters in Chicago's Fulton Market District that showcased the vibrant biotech ecosystem that we are building in Chicago.

The event brought together Black, Indigenous, and People of Color (BIPOC) PhDs, postdocs, and early career scientists from across the Midwest and connected them with representatives from local life-science organizations. These connections helped attendees learn about career opportunities, build their networks, and develop a local biotech community.

Event Presented by:



The CBC gratefully acknowledges support from the Searle Funds at The Chicago Community Trust

Sponsored by:



Highlight

BIPOC in Biotech offered a deeper look into Chicago's vibrant life-science ecosystem through an outstanding speaker lineup and career expo. An exciting live pitch competition showcased local biotech entrepreneurs, culminating in an afterparty with additional networking and community-building opportunities.



Speaker Lineup

- 16 speakers across multiple talks, panels, and events
- Keynote speakers include: Paul Mola, MS, Founder, President & CEO of Roswell Biotechnologies and Nick Davis, ScD, General Partner of Changer Fund; Founder & CEO of Hovana

Career Connections

- Participating companies came from established industry, consulting, venture and startups from the local Chicago life-sciences ecosystem
- Connections were made between 30 companies and a set of diverse attendees from across the midwest who they may not typically reach.



Live Pitch Competition

- 5 local biotech companies took part in the inaugural Deep TechRise Pitch Competition
- One company was awarded a \$25K prize and has since gone on to receive FDA clearance to market their product.

Workshop

- The Interview Preparation Improvisation Workshop was hosted by Byron Stewart, a science communication instructor for NU's RCTP Science Communication program. The workshop aimed to help attendees hone their brand and better convey their work, setting them up for success as they venture into a career.



"What a tremendous event! Getting to network with other folks who have historically been pushed to the outskirts of BioTech was a joy. Looking forward to next year's conference!" - Attendee



"I learned so much from this event, I met some amazing individuals and I think we will be able to help both aspiring innovators and hopeful entrepreneurs in their next steps!" - Company Representative

November 17th

2022



19th Annual Symposium

Stress and Human Health: Diabetes



The annual symposium is aimed at gathering local scientists and key life science players to highlight research that goes from the bench to the bedside to the community. This outstanding all-day program was held on November 17, 2022 at Northwestern Medicine Prentice Women's Hospital and virtually through Zoom. The event was spearheaded by the CBC in collaboration with an organizing committee composed of 10 faculty across our 3 member institutions. The symposium featured three sessions:

- Stress in diabetes: integrated nutrition, obesity, and diabetes
- Stress from the micro and macro environment in complications and progression of diabetes
- Stress in diabetes: reciprocal aspects of hypoxia, rhythms, sleep, and social determinants.

2 Keynote Speakers



DR. ARLEEN TUCHMAN, PHD
Professor of History
Vanderbilt University and
renowned author of "*Diabetes: A
History of Race and Disease*"

*Historical Reflections on Stress,
Race, and Diabetes*



DR. ROHIT KULKARNI, MD, PHD
Senior Investigator at Joslin
Diabetes Center and Principal
Faculty at Harvard Stem Cell
Institute.

*Diabetes – a consequence of
miscommunication between exocrine
and endocrine cells?*



150+ Audience worldwide from 6 different countries, representing a vast array of universities, companies, and institutions

1 Poster Session
hosted on a virtual platform for an engaging and interactive experience

In Numbers

Event Sponsor: 

12 Featured Panelists

from across the CBC universities presented their scientific research

Grant BARISH
Northwestern University, Feinberg School of Medicine
B cell lymphoma 6 regulates sexually dimorphic hepatic lipid metabolism and steatosis

Pamela MARTYN-NEMETH
University of Illinois Chicago
Stress and Sleep in Type 1 Diabetes

Krista VARADY
University of Illinois Chicago
Health benefits of intermittent fasting

Kirstie DANIELSON
University of Illinois Chicago
A Novel Electronic Medical Record Diabetes Screening Program in an Urban Academic Hospital Emergency Department

Raghu MIRMIRA
The University of Chicago
New Perspectives on Type 1 Diabetes: The Beta Cell under Stress

Amisha WALLIA
Northwestern University
Stress, Cardiovascular Disease, and Diabetes in the COVID-19 Era

Tina DROSSOS
The University of Chicago
Nutrition and Obesity: Key Factors in Diabetes

Sirimon REUTRAKAL
University of Illinois Chicago
Sleep interventions and glucose metabolism

Jill WEISSBERG-BENCHELL
Northwestern University, Feinberg School of Medicine
Adolescent Coping and Adapting to Life with T1D

Kristin L. KNUTSON
Northwestern University, Feinberg School of Medicine
Sleep health and metabolic disorders: A review of the evidence

Robert SARGIS
University of Illinois Chicago
Swimming in a Pool of Stressors: Environmental Toxicants, Health Justice, and the Diabetes Pandemic

Pingwen XU
University of Illinois Chicago
Estrogens in the brain and metabolic adaptation to temperature and nutritional stresses

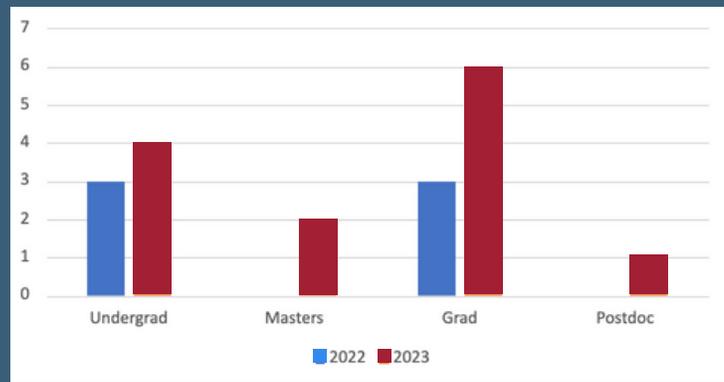
4 Lead Organizers:

UChicago: **Louis Philipson** and **Julian Solway**; UIC: **Brian Layden**;
NU: **Joseph Bass** plus 6 Supporting Organizers



 **>3200 Impressions**
on Twitter, engaging social media audience

Number of interns hired in 2022 and 2023



2022

Received **16** applications from UChicago Metcalf program

Two full time summer interns worked with CBC for 10 weeks

2023

Received **32** applications from UChicago Metcalf program

Four full time summer interns worked with CBC for 10 weeks

CBC Internships

The CBC offers internship opportunities for current master's and PhD level students as well as postdocs throughout the school year and full-time summer internships for undergraduate students. Interns contribute to data analyses and support numerous CBC initiatives ranging from Accelerator Award triage and diligence, Affinity Group planning, landscape reports, and other special projects. During their time with the CBC, interns can attend Entrepreneurial Fellow's educational lectures as well as local networking and biotech community-building events.

Interns are recruited at all local universities through the MyChoice program at the University of Chicago, which aims at exposing trainees to multiple career options and experiences leveraging their strong research training.

Summer undergraduate interns are recruited through the Metcalf Internship program, supporting biomedical students at the University of Chicago.



Chicago Biotech Life Science Landscape Report



Chicago is poised and prepared for life sciences' next frontier. Chicago's many assets give it the potential to **become a world class biotech hub in the Midwest.**

In April 2023, CBC, in partnership with **Cushman & Wakefield** and **P33**, developed an analysis report highlighting Chicago's wealth of **scientist-entrepreneurs**, regional investments in infrastructure, and accelerators like **Portal Innovations**, which have brought seed capital and lab space to the region. Chicago's universities have brought in \$5.8 billion of NIH funding—growing at twice the national average over the last five years—and authored 1,365 issued patents, generating \$1.3 billion in licensing revenue and a growing network of life sciences companies.

The full 2023 Life Sciences Landscape Report can be found here:

bit.ly/ChicagoLSR2023



Information Sessions

A total of 10 CBC Accelerator Award and Affinity Group Information Sessions occurred in the last two years (in person and via Zoom)

- 2 at UIC
- 2 at NU Evanston
- 2 at NU Chicago
- 2 at UChicago

Information sessions provided details regarding the application process, eligibility, review process and important dates associated with the CBC programs, including the Affinity Group Award, Accelerator Award and Entrepreneurial Fellows.



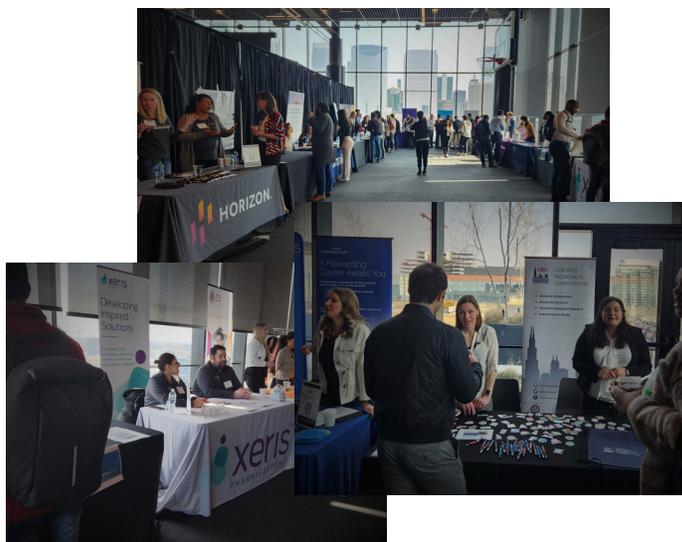
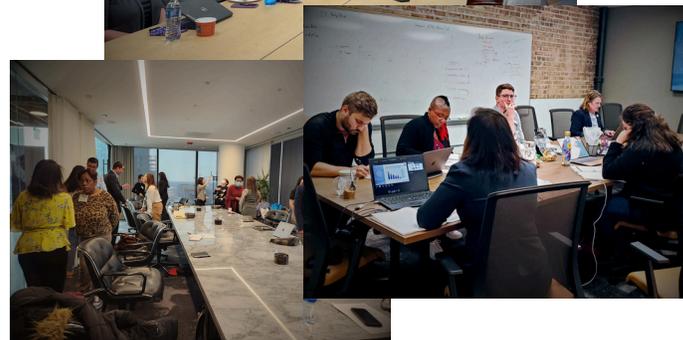
Workshops and Courses

Four Workshops

- How to build an outstanding resume for scientists
- Maximizing your earnings through negotiation
- Immunology 101: understanding the immune system from an investor viewpoint
- Best practices for landing a job in biotech featuring local start up, Evozyne

50+ volunteer lectures from national and local biotech stakeholders

- Biotech company creation and investing
- Biotech drug discovery
- Startup journey: what does it take to raise seed capital



Career Fairs

In an effort to attract and retain talent in Chicago, the CBC hosted a career fair for life science PhD and postdocs during the BIPOC in Biotech event in March 2023. (See page 12-13)

The CBC participated in 12+ career events to recruit strong Master's level, PhD and postdocs for the CBC Entrepreneurial Fellows (EF) program. By attending and speaking at multiple career fairs at UIC, UChicago, Northwestern, Harvard, Rush, and Loyola, the CBC was successful in recruiting and hiring seven highly talented EFs.

Another benefit of attending many local and national career fairs: the CBC's visibility has significantly increased!





Program Partners & Ecosystem

University Tech Transfer Offices

- Northwestern University (INVO)
- The University of Chicago (Polsky)
- University of Illinois Chicago (OTM)

Economic Development

- Illinois Biotechnology Innovation Organization (iBIO)
- Illinois Department of Commerce and Economic Opportunity (DCEO)
- P33
- World Business Chicago

Non-Profits

- Cures Within Reach
- Discovery Partners Institute (DPI)
- Illinois Science & Technology Coalition (ISTC)
- Women In Bio (WIB)

Accelerators & Incubators

- Helix 51
- MATTER
- mHub
- Portal Innovations

Industry Partners

- AbbVie
- Astra Zeneca
- Charles River
- Cooley
- Cytiva
- Deloitte
- J&J Innovation
- JP Morgan

Philanthropy

- Burroughs Wellcome Fund
- Walder Foundation
- Other Private Foundations (anonymous)



www.chicagobiomedicalconsortium.org



@ChiBioMed



https://bit.ly/LinkedIn_CBC



@chicagobiomedicalconsortium