

Impact Report 2021



THE INSTITUTE
 COLORADO BIOSCIENCE

Dear Institute Supporter,

2021 was a year of hope, strength, and persistence. In the past year, the Institute continued to adapt and provide strong workforce development programming to support the Colorado life sciences ecosystem. The Institute:

- Offered two Foundations of Leadership programs to develop the next generation of life sciences leaders
- Provided over a dozen LabXchange teacher trainings to increase teacher knowledge of biotechnology and offer STEM learning experiences for students
- Connected undergraduate and graduate students to companies in our ecosystem with Industry Showcase webinars
- Expanded fundraising and introduced the Institute to new supporters with three community-building trivia events
- Introduced students to life sciences professionals through the Mentor Program

Thank you to our nearly 1,000 participants and supporters, for continuing to adapt and lead. Our Mentor Program and Teacher Training programs provide students and teachers with real-world experiences, allowing them to develop connections in the Colorado life sciences ecosystem. The LabXchange trainings introduced in Fall 2020 continue to support teachers with resources to enhance learning in life sciences. The Foundations of Leadership Program offers a career-changing experience for mid-level managers. From grade school to executives, the Institute works to reach all points on the talent pipeline to increase, support, and diversify the life sciences talent pool in Colorado.

This year, in partnership with the Amgen Foundation, the Institute continued to offer the LabXchange program, while expanding programming to increase high school teacher knowledge around biotechnology and enhancing and creating new learning experiences for students. We are proud to partner with the Amgen Foundation to provide these online learning platform trainings to our Colorado teachers and their students.

The P-TECH program continued to grow in 2021, providing students access to a high school diploma and an associate degree. In the 2021-2022 school year, the program grew to 90 students. We are proud to impact a unique student population with over 50% first-generation college students. Additionally, nearly 60% of participating students are female and nearly 50% are non-white students. We look forward to the contributions these students will make to life sciences.

We were excited to welcome a new partner company, AGC Biologics, to the collaborative which includes Agilent, KBI Biopharma and Tolmar.

With the support from our partners and sponsors, we work to inspire future innovators and diversify the talent pipeline through the Institute's educational trainings and programs. We plan to accelerate our growth in 2022 as we bring on new leadership, continue to add new partners, and support our ecosystem's most critical workforce needs. We look forward to the momentum ahead!



Meg John
Vice President
Colorado BioScience Institute



Ethan Mann, Ph.D., M.B.A.
Board Chair
Chief Executive Officer
Validus Cellular Therapeutics, Inc.



“LabXchange offers opportunities for students and teachers to have the same learning experiences regardless of location or resources. Living in a less densely populated area, the opportunity to have access to these learning libraries and tools as a teacher is transformative. Rural teachers now have the ability to bring more ways of teaching into the classroom, including during virtual learning, that greatly benefit our students.”

Autumn Rivera

Sixth Grade Science Teacher
Glenwood Springs Middle School
Roaring Forks School District
2022 Colorado Teacher of the Year

The Institute’s impact would not be possible without the ongoing support from the life sciences community and ecosystem partners.

Colorado BioScience Institute Program Impact

Pathways to Early College High Schools (P-TECH)

Impacts high school students with advanced classes and biotech experience to obtain an associate degree while learning from leading life sciences companies in Colorado.

2021 EDUCATIONAL PARTNERS

Frederick High School
St. Vrain Valley School District
Aims Community College

2021 COMPANY SPONSORS

AGC Biologics
Agilent Technologies
KBI Biopharma
Tolmar

2021 IMPACT



90 STUDENTS



65 MENTORS

Mentor Program

Pairs undergraduate students with professionals in Colorado's life sciences ecosystem for professional development and networking.

STUDENTS



67% FEMALE

MENTORS



65% FEMALE

2021 IMPACT



52 STUDENTS



17 MENTORS



7 COMPANIES

Industry Showcase

Connects Colorado life sciences companies to Colorado university talent opportunities in the state.

VIRTUAL OPPORTUNITIES



2 WEBINARS

2021 IMPACT



60 STUDENTS



6 COMPANIES

Colorado BioScience Institute Program Impact

Foundations of Leadership

Provides emerging life sciences leaders with leadership trainings and workshops to support career and personal growth.

2020 TO 2021 LEADERS

 **18%** INCREASE

2021 IMPACT

 **40** LEADERS
 **2** PROGRAMS

LabXchange Teacher Trainings

Trains teachers to better utilize the free Harvard-created LabXchange online learning platform in their remote, hybrid or in-person classrooms.

IN COLLABORATION WITH

LabXchange
Denver Museum of Nature & Science

GENEROUSLY FUNDED BY

The Amgen Foundation

2021 IMPACT

 **190** TEACHERS
 **7** COLLABORATION
 **10** TRAININGS

Amgen Biotech Experience/LabXchange Pilot Program

Equips teachers to utilize free virtual biotech labs & resources on LabXchange designed to introduce students to the excitement of scientific discovery in the field of biotechnology.

IN COLLABORATION WITH

Jeffco Public Schools
LabXchange
Denver Museum of Nature & Science

GENEROUSLY FUNDED BY

The Amgen Foundation

2021 IMPACT

 **6** TEACHERS
 **600** STUDENTS



Thank You to Colorado BioScience Institute's Funding Partners



Support our workforce cultivation efforts
Contact Vice President Meg John | mjohn@cobioscience.com