



STEM Education Innovation Alliance

MEETING AGENDA

DATE May 29, 2019
TIME 10:00 AM to 2:00 PM
LOCATION AGC Biologics - Seattle
2222 220th Street SE | Building 4
Bothell, Washington 98021

Meeting graciously hosted by AGC Biologics

TOPIC | Life Sciences - Industry Sector Growth in Washington State

9:55 AM **Welcome & Introductions**
Gene Sharratt, STEM Alliance Co-Chair

10:00 AM **Life Science Washington**
“Washington State’s Rapidly Growing Life Science Industry: Meeting the Demand for Talent”
Leslie Alexandre, *President & Chief Executive Officer*

Life Science Washington is an independent, non-profit trade association whose mission is to stimulate life science innovation, job creation and ecosystem vibrancy across Washington State through engagement, collaboration, promotion, and advocacy. It serves more than 500 members and brings together research institutions, investors and innovators to grow the state’s life science economy. One of Life Science Washington’s highest strategic priorities is meeting the talent acquisition and workforce development needs of Washington State life science companies so they can continue to grow and thrive locally.

10:30 AM **Industry Representatives**
Juno Therapeutics, Inc., a Celgene Company
“Cancer Research and the Manufacture of Drugs to Treat Cancer”
Tina Albertson, *Vice President, Clinical Development*

Juno Therapeutics, a Celgene Company, was created by a coalition of researchers from Fred Hutchinson Cancer Research Center, Seattle Children’s Research Institute, and Memorial Sloan Kettering Cancer Center. Its quest is to radically change the course of medicine by aligning its investments in scientific research, manufacturing – and most of all, people – to change the way cancer and other serious diseases are treated. Celgene and Juno seek to deliver truly innovative and life-changing drugs for patients.

Juno Therapeutics is well known for developing Chimeric Antigen Receptor (CAR) T-cell immunotherapy. A patient’s T cells are modified by adding a CAR gene and infused back into the patient’s body. The CAR-imbued T cells work to recognize and attack the patient’s cancer.

PATH

“PATH’s efforts to recruit talented professionals in support of its mission of addressing global inequity in health”

Matt McLean, *Director of Global Talent Acquisition*

PATH is a global team of innovators working to accelerate health equity so all people and communities can thrive. It advises and partners with public institutions, businesses, grassroots groups, and investors to solve the world’s most pressing health challenges. PATH hires global leaders and talented innovators to develop strategies that improve the lives of millions of people around the world.

11:15 AM

University Partnerships

University of Washington (UW) Bothell received \$79.6 million from the legislature to design and construct a new STEM building jointly with Cascadia College to support the ever growing biomed technology and manufacturing companies in this region and \$1.5 million to increase STEM graduates in support of the growing employment demand.

Kelly Snyder, *Assistant Vice Chancellor for Government & Community Relations*

University of Washington Bothell

UW Bothell is a four-year university, offering undergraduate and graduate programs in northeast King County, as one of the three campuses of the public University of Washington system. For nearly 30 years, with over 20,000 alumni, with nearly 6,000 current students and 55 undergraduate and graduate degree programs, UW Bothell has a reputation for access to excellence and a leading-edge educational experience. 85% of students stay in the region after graduation and work for local and regional companies. One quarter of all UW Bothell students are pursuing STEM majors. The primary focus is in computer science, engineering, biology, physics, chemistry and mathematics. UW Bothell partners with local and regional businesses to shape and frame the academic offerings, sponsor capstone projects and internships and hire graduates. The outreach to the companies within the companies in Bothell Innovation Partnership Zone and Life Science Washington has been invaluable in shaping the curriculum to best prepare students for existing and emerging jobs.

11:30 AM

AGC Biologics

Business overview, workforce gaps, educational needs

Patricio Massera, *Chief Executive Officer*

AGC Biologics is a leading global contract development and manufacturing organization, dedicated to the development and manufacture of safe and effective biopharmaceuticals. It has successfully manufactured more than 200 biological projects, from pre-clinical studies through commercial approvals. It offers multiple FDA-required Current Good Manufacturing Practices (cGMP) lines at a variety of scales for mammalian cell culture and microbial fermentation, with headquarters in Seattle and locations in California, Denmark, Germany and Japan.

11:45 AM

Project BioPath

Mark Madison, *Director of Career and College Readiness for the Career and Technical Education Program*, Edmonds School District

Interns (2), AGC Biologics

Six Edmonds School District students are working as lab interns for AGC Biologics in the first and only program in the State of Washington that offers paid internships to students in the field of bio-manufacturing. The program is partnered with Career Connect Washington, a new state initiative that helps launch students into entry level careers in high demand fields in our region. The goal of the program is to develop new talent in an industry that is facing a regional shortage of qualified technicians and engineers in the field of bio-manufacturing.

[Excerpted from *Lynnwood Times*, April 19, 2019]

12:00 PM

Lunch

12:30 PM

Technology Needs of the Life Sciences Industry

“How the technology landscape is changing in life sciences, and the type of skills that will be necessary to be relevant in the industry in the coming years.”

Paul Slater, Co-Founder, Clinical Research Innovation Hub, Microsoft

Paul combines expertise in Life Sciences and Technology to drive digital transformation in the life sciences industry. Over two decades of strategic and tactical execution across multiple industries and companies of all sizes has given Paul a unique insight into how to accelerate innovation inside large enterprises.

1:00 PM

Legislative Perspectives

Representative Vandana Slatter, 48th Legislative District (D, Bellevue)

Washington State House of Representatives

Represents the Redmond-Bellevue legislative district and is one of the state’s leading life sciences champions. Representative Slatter is a pharmacist by training and very knowledgeable about technology within healthcare.

1:30 PM

STEM Alliance Roundtable

2:00 PM

Adjourn

TOUR

Optional tour of AGC Biologics’ Process Development Labs after meeting adjourns.

Michael Larson, Tour Guide Lead

QUESTIONS?

Ellen Matheny (*STEM Alliance Manager*) welcomes you to contact her at:

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