

INSIDE THIS ISSUE

From the President's Desk..... 1

Board of Directors2

Supply Chain Part I: APIs.....3

Women in Pharma (WIP) Mentor Circles.....4-5

The Evolving Cell and Gene Therapy Ecosystem in Philadelphia.....6

Capital Projects Supply Chain Impacts: Pre & Post Pandemic7

Assessing Environmental Impact of Biopharmaceutical Manufacturing.....8

Automation 101: An Introduction to Automation...9

Integrated Approach to Semi-Continuous Biopharmaceutical Manufacturing.....10-11

Board Meeting & Chapter Sponsor Appreciation Dinner..... 12

Welcome New Members..... 13

Member Milestone Anniversaries.. 14

Sponsor Spotlight 16

The ISPE Matters Delaware Valley Chapter newsletter is created by the Marketing and Communications (MAC) Committee. For information on how you can contribute, please contact:

MAC Committee
MAC@ispedvc.org

ISPE Delaware Valley Chapter
manager@ispedvc.org

www.ispe.org/delaware-valley-chapter

FROM THE PRESIDENT'S DESK

By Eleanor Small



Eleanor Small
Principal Scientist
Johnson & Johnson
Consumer, Inc.

One last letter from this President, to close out a term that was a surprise, a challenge, and an awesome success for this Board of Directors. As with all my letters, I continue on my theme of gratitude, but this time, indulge me to brag just a little about our accomplishments as a Chapter.

We started out the 2019-2020 year strong, hosting 11 in-person events and one virtual event, all before March of 2020. We held our second WIP December panel, and piloted our first Education event with live-stream, with six virtual attendees while 43 were in the room. Our annual holiday party had the highest turnout we have seen in over five years. Then the COVID pandemic hit the US and the world as we knew it literally stopped.

However, the Board quickly leaned into our piloted live-stream approach to go all digital, and we accomplished four virtual events to close out the year. In parallel to all of this agile pivoting, we launched our Women In Pharma (WIP) mentor circles program thanks to fine wine, delicious Italian food, and excellent conversations in Las Vegas. I'd tell you more, but as they say, "What happens in Vegas, stays in Vegas." We made hard choices for the safety of our members, canceling our beloved golf

outing and our popular Symposium and Exhibition. Despite the ground shifting under our feet, our 2019-2020 program year engaged over 500 members, over 100 non-members, and over 40 friends/family. Then you asked us to do it again.

2020 presented new challenges such as "Zoom fatigue" and how, exactly, does one "digitally" network? Challenge accepted. Your 2020-2021 board brought 19 events to the membership, including our annual holiday party, all in virtual format. Participation stayed strong, engaging over 450 members, and 120 non-members, despite once again canceling our Symposium and postponing our golf outing to the fall.

Within the Board, we worked hard to enhance our succession planning by strengthen the Co-Chair model for every VP position, and assigning Directors to specific areas for support. We closed the year with what we hope will become an annual tradition: inviting our platinum and gold sponsors, and all committee volunteers, to join the final board meeting and celebration dinner. It was our first in-person event after 18 long months. It was a wonderful way to grow engagement, and I hope you are as pleased as I am to see so many new faces on the 2021-2022 Board of Directors.

It is with both confidence and joy that I pass the mantle of President to
(continued on page 2)

2020-2021 BOARD OF DIRECTORS

President

Eleanor Small, *Johnson & Johnson*

Executive Vice President

Marvin Royal, *ValSource*

Secretary

Dennis Gross, *PA Drug Discovery*

Treasurer

Amy Markey, *Cabeletta Bio*

VP, Programs

Mike DeBellis, *Jacobs*

Co-Chair, Programs

Sawyer Romich, *Hargrove Life Sciences*

VP, Education

Brendan Bradley, *Vanrx*

Co-Chair, Education

Dan D'Aquila, *GlaxoSmithKline*

VP, Marketing & Communications

Michelle Santoro, *Skanska USA*

Co-Chair, Marketing & Communications

Tieg Murray Rustam, *Skanska USA*

VP, Membership

Laura-Ann Chin, *Genesis Engineering*

VP, Emerging Leaders

Jenna Eicherly, *West Pharmaceutical*

VP, Students

Jon Becker, *RPA Engineering*

VP, Symposium

Jill Clark, *CRB*

Co-Chair, Symposium

Sandra Bones, *IPS*

Directors

Michael Faia, *Jazz Pharmaceuticals*

Greg Sabatino, *Morphotek*

Peggy Del Fabbro, *MDavis & Sons*

Bill Dugary, *Applied Control Engineering*

Glenn Lawrence, *Merck & Co.*

Past President

Kristina Pumphrey, *Precis Engineering*

FROM THE PRESIDENT'S DESK (cont.)

By Eleanor Small

the person who I am confident our membership is in good hands with. I am filled with joy to be able to shake your hand, and see your smile again.

I will end as I began, with gratitude. Thank you, our members, for your

engagement and for your trust in this board. Thank you for your trust in me. It has been an honor to serve you.

Thank you,

- Eleanor F. Small, Ph.D.

If you have any comments, questions, or concerns about ISPE DVC, or would like to make a suggestion about future programs events or topics, please feel free to e-mail me directly at: president@ispedvc.org

THANK YOU, 2020-2021 ISPE DVC SPONSORS

The Delaware Valley Chapter of ISPE is committed to providing educational content, information on industry advancements, new and improving technologies, and social and business networking events for the local and regional pharmaceutical industry.

Since our chapter is operated entirely by volunteers, we require financial support to accomplish these activities. Some of this funding comes from our much appreciated Annual Chapter Sponsors.

From our long-standing relationships with companies like **CRB, IPS, MDavis** and **Precis Engineering**, to our new supporters including **First Pharma, Wick Fisher White** and **ValSource**, plus many others, we appreciate your support in affording us the opportunity to continue our contribution to our industry.

In addition to financial support, these companies collaborate with our team on technology, industry trends and new equipment. They also provide support in allowing their teams the time necessary to convey this information and get it out to you: our community.

Again, thank you to all of our sponsors in helping us succeed!

(See page 16 for a list of all of our 2020-2021 sponsors.)

ISPE DVC'S MAILING ADDRESS

ISPE Delaware Valley Chapter (DVC) | #142
600 West Germantown Pike, Suite 400 | Plymouth Meeting, PA 19462

SUPPLY CHAIN PART I: ACTIVE PHARMACEUTICAL INGREDIENTS (API)

Presented by the Emerging Leaders Committee

The Emerging Leaders committee (previously Young Professionals) hosted their second lunch and learn of the 2020-2021 year on February 11. The lunch and learn featured a presentation by Helga Salling, a Vice President at IPS with 20 years of experience in the life sciences industry.

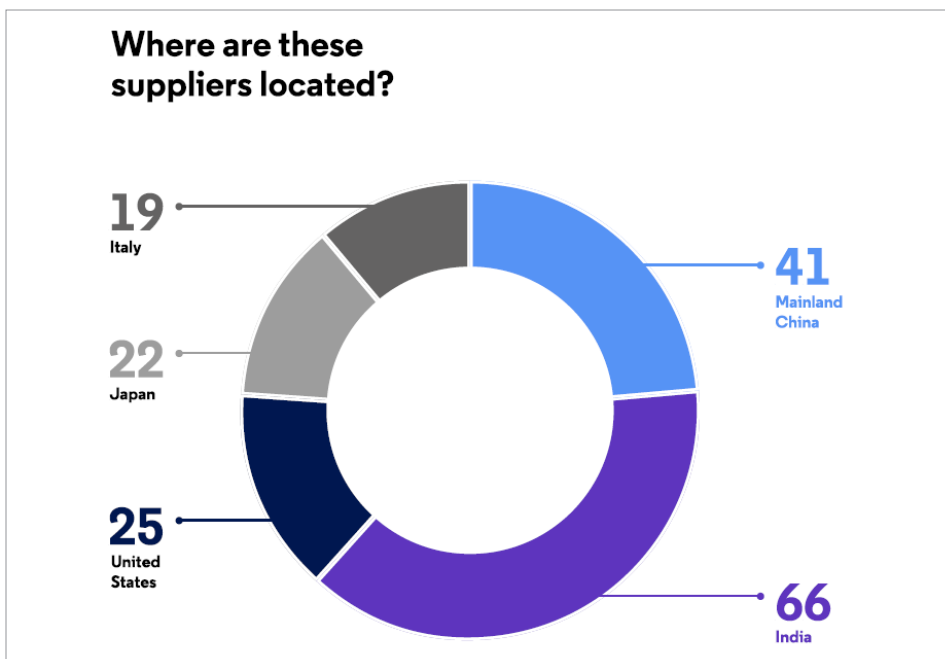
The presentation discussed the consequences of COVID-19 on the pharmaceutical supply chain. Helga explored the risks to the supply chain and provided her opinion on a range of solutions. Helga highlighted the increasing percentage of manufacturing of APIs and antibiotics taking place outside the United States. She raised the concern that this could lead to shortages in essential medicines in the US.

COVID-19 has intensified this concern with foreign governments shutting down the export of certain APIs due to the pandemic.

Helga provided a number of solutions to reduce the risk of future drug shortages. These included among others stockpiling lifesaving drugs, utilizing new technologies to improve US competitiveness and ensuring national supply chains.

We thoroughly enjoyed the lecture and received great feedback from attendees. Thank you, Helga.

The committee followed this lunch and learn with Capital Projects Supply Chain Impacts – Pre & Post Pandemic, held in March.



Antibiotic manufacturing supplier locations - [Pharmaceutical Online](#)

EVENT RECAP

Our 27th Annual ISPE DVC Golf Outing was a huge success!

Held on Tuesday, September 7 at North Hills Country Club, the outing featured a shotgun start and a four-golfer best ball scramble format, with straightest drive, closest to the pin and hole-in-one contests and prizes throughout the round. This year, we also included a Learn the Basics of Golf Beginner's Clinic, where participants learned the fundamentals in mastering one's golf club grip, proper alignment, stance width, swing posture, ball position, and more.

As always, the day wrapped up with networking and cocktails, dinner, awards and raffle prizes. Trophies and door/raffle prizes were awarded during dinner.

This year's 1st place title was won by the **RPA Engineering** foursome (Rick Aulenbach, Jon Becker, Miranda Richter and Todd Seidel). 2nd place was won by the **Jacobs** foursome (Curt Biehn, Kathy Clark, Mike Lemons and our very own Mike DeBellis) while 3rd place was won by the **Control & Power Systems** foursome (Joseph Bravo, James Lowell, Dave Lyon & Dov Shevich).

We would like to thank all of the volunteers and sponsors of this event. Without you, the day would not have been so successful!

[See photos from the event here!](#)

ISPE DVC WOMEN IN PHARMA (WIP) MENTOR CIRCLES

Discussion of an Education Event, Diversity, Equity and Inclusion, and Networking with a Neighboring ISPE Chapter

Discussion of February Education Event: Assessing Environmental Impact of Biopharmaceutical Manufacturing (February)

The February Mentor Circle meeting enabled members to have a follow-up discussion based on the February ISPE DVC Education program: Assessing Environmental Impact of Biopharmaceutical Manufacturing held on Thursday February 18.

Alexander Adams, from GlaxoSmithKline, presented how impact assessment during the clinical development of product and process lifecycle provides the best opportunity for reducing carbon footprint of a commercialized product. In total, 10 members of the WIP committee joined the call and found a lot of benefit to having a smaller group engage with Mr. Adams, enabling a great dialogue of questions and answers.

The discussion focused on reducing the carbon footprint, understanding process mass intensity and recycling efficiency. Feedback from the team indicated future technical discussions would be welcomed as the opportunity to have a candid discussion with the SME was very valuable.

Diversity, Equity, and Inclusion: Keys to Growth (March)

In March, the ISPE DVC WIP Committee participated in a discussion focused on diversity, equity and inclusion. Panelists at the meeting included Joy Mason, Shannon Nash, Sosena Wolde,

Franz Weightman, Feras Al-Zubaidy and Melissa Al-Zubaidy and was facilitated by Leta Sledge, DVC ISPE WIP Committee member.

The “typical” Mentor Circle format was not applied during this meeting as everyone felt it was important to keep all of the voices in one room rather than break into small group discussions. This was certainly the right decision given the robust discussion that occurred.

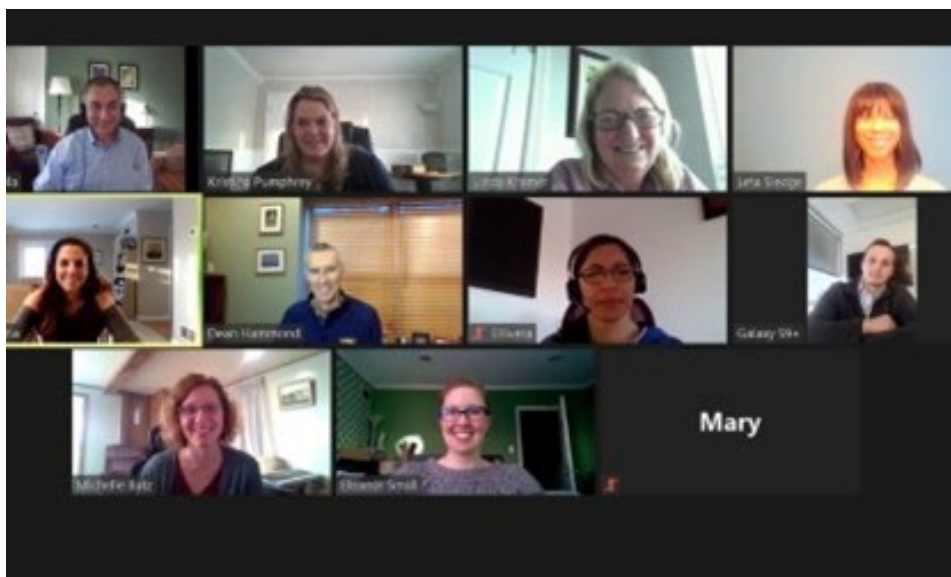
Franz Weightman, host of *The Franz Experience* kicked off the discussion talking about how we can support having discussions about D&I in the workplace. Emphasis was made to develop emotional IQ within our colleagues so we can find commonality and understand what vantage people are approaching a situation from, which assists everyone to better understand how to work with members of their team.

Additional discussion included creating a psychologically safe environment enabling people to feel open to dialogue that supports the conversations around D&I.

As an industry, it is important we continue to diversify our environments and if we see something, we say something to put a stop to any injustice that we are witness to. Participants felt the hour-long meeting could have extended well into the evening as the passion and open dialogue was appreciated by the 18 attendees.

WOMEN IN PHARMA

WIP provides women in the pharmaceutical industry a forum for connecting and collaborating on technical and career advancement topics. Click [HERE](#) to learn more.



February 2021 WIP Mentor Circle Participants

ISPE DVC WOMEN IN PHARMA (WIP) MENTOR CIRCLES (cont.)

Discussion of an Education Event, Diversity, Equity and Inclusion, and Networking with a Neighboring ISPE Chapter

Networking with colleagues in the Boston Chapter of ISPE (April)

In April, the ISPE DVC WIP team partnered with the Boston ISPE WIP team to hold a networking session that brought both chapters together for the first time in this format.

After introductions from both chapters, smaller discussion groups were formed to enable attendees to introduce themselves and provide some opportunities for dialogue and networking.

The goals of the session included networking, peer to peer mentoring within the small groups, sharing best practices and encouraging new ideas for opportunities to interact between the Boston and Delaware Valley chapters.

In total, 26 members registered for the event and found it very useful for making new connections and

socializing with ISPE members beyond the DVC region. There was unanimous support for holding additional sessions, with some minor modifications to the format.

Networking with colleagues in the Boston Chapter of ISPE (June)

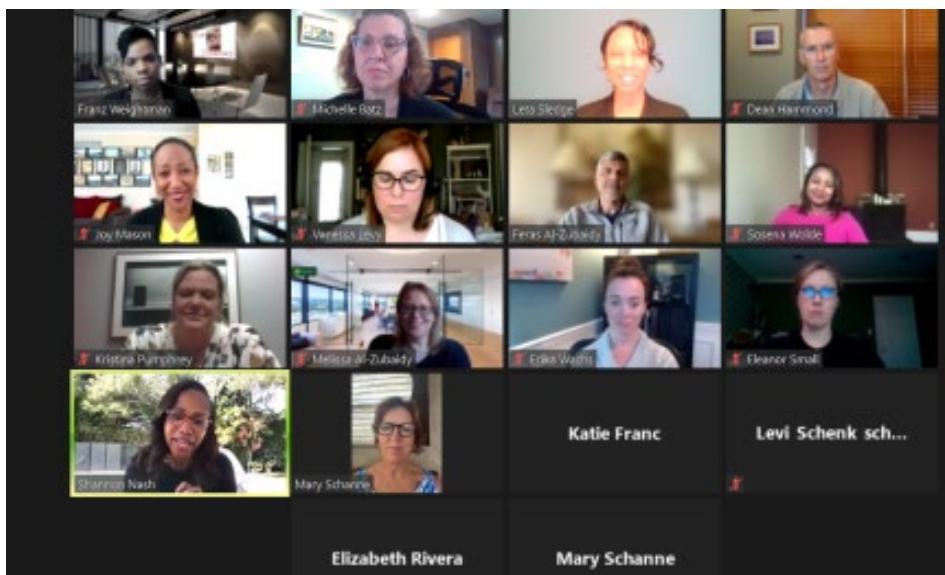
In response to the positive feedback from the April ISPE DVC Mentor Circle meeting with the Boston Chapter, a second opportunity to bring both chapters together was planned for June. While only six attendees joined the session, there was a very robust discussion that focused on a few key questions about mentoring and professional development.

The group shared their experiences looking for, creating and defining “stretch” assignments that assisted them in career progression. The group unanimously agreed a person needs to define for themselves what areas they want to grow and make

those ambitions known. It is also important to create open dialogue with your manager to articulate your goals and ensure he or she can support opportunities that will move your career to meet those goals.

The team also discussed how we can find energy in our days, in spite of all the demands and professional pressure that exist. The discussion focused on ways to streamline the workday and manage priorities whether by tasking daily goals by impact, using certain apps like Nozbe to manage all tasks both personal and professional, or application of certain scheduling techniques to manage your calendar and provide opportunities to focus on important tasks.

While the goal was to have more participants in this session, those present found a lot of value in the discussion and really enjoyed sharing their knowledge and the opportunity to meet a few new people.



MArch 2021 WIP Mentor Circle Participants

The WIP Committee is meeting now to plan for the 2021-2022 program season. If you are interested in joining ISPE DVC’s mentor circles, please reach out to Michelle Batz at michelle_batz@merck.com

THE EVOLVING CELL AND GENE THERAPY ECOSYSTEM IN THE GREATER PHILADELPHIA AREA

May Program

The month of May featured a Program Event with a moderated panel discussion that focused on the evolving cell and gene therapy ecosystem in and around Philadelphia.

The discussion included how cell and gene therapy is different than traditional pharmaceutical manufacturing in terms of operations/logistics, facility design, quality, and regulatory considerations.

Also discussed was what makes this geographical area such a potent ecosystem, attracting new companies and organizations over the past two to three years, as well as keeping companies here and fostering their growth.

Four dynamic presenters representing different owners' considerations provided their insights and answered questions posed by the attendees and moderator.

The all-women panel included:

- **Lauren Gilchrist**
Managing Director - Research, Longfellow Real Estate Partners
- **Dunni Odumosu**
Senior Director, Regulatory Affairs Gene Therapy at BridgeBio
- **Allison Montalvo**
Executive Director, Project Management and Clinical Supply at Tmunity Therapeutics
- **Emilie Pelletier**
Senior Director Process Engineering at lovance Biotherapeutics

Joanne Meloro, Director – Strategic Initiatives at IPS, assembled the panel and served as moderator for the evening.

The cell and gene therapy topic generated significant interest from our ISPE community, as evidenced by the 70 members who attended the event. Although social-distancing requirements of the pandemic

required the event to be held virtually, the full functionality of the meeting platform was leveraged in order to provide lifelike interaction between the panelists and attendees.

Members found the panelists insights to be relevant, thoughtful and interesting and are eager to attend future events on related cell and gene therapy topics such as the process and technology.

You asked, we will deliver! During our 2021-2022 season, look for a Programs event centered around the process and technology of cell and gene therapy.



Lauren Gilchrist
Longfellow Real Estate Partners



Dunni Odumosu
BridgeBio



Allison Montalvo
Tmunity Therapeutics



Emilie Pelletier
lovance Biotherapeutics

CAPITAL PROJECTS SUPPLY CHAIN IMPACTS: PRE & POST PANDEMIC

Presented by the Emerging Leaders Committee



Kevin Batche, IPS

The Emerging Leaders committee (previously Young Professionals) hosted their third lunch and learn of the 2020-2021 year on March 18.

The lunch and learn featured

a presentation by Kevin Batche, a Senior Director at IPS. Kevin has over 25 years of experience delivering key assets in the manufacturing, pharmaceutical and heavy industries, globally.

The presentation discussed capital projects supply chains and the impact of COVID-19 on them. Kevin provided an overview of the global pharmaceutical industry before exploring the effects of COVID-19.

Over 1,000 clinical trials were postponed between January and May 2020 and over 2,000 clinical trials were halted. The effects on these

clinical trials could have an impact on the development of CapEx projects.

Kevin offered the following points as supply chain lessons for the future:

- The industry needs to wake up to the virtual revolution through the use of virtual software solutions and work environments to improve project efficiency
- Pharmaceutical companies need guidance in taking control of their CapEx supply chains, including local labor and materials and material management.
- Dual sourcing, where a product is both manufactured in-house and outsourced, will continue as a key manufacturing strategy for many larger pharma companies as a way to manage supply chain risk and financial risk.

We thoroughly enjoyed the lecture and received great feedback from attendees. Thank you, Kevin!

OWNER ADVISORY GROUP

ISPE DELAWARE VALLEY CHAPTER OWNER ADVISORY GROUP (OAG)

Being an effective contributor in an industry that operates in high-risk environments, under regulatory scrutiny and highly commercial competition, you need the support of industry leaders. We call upon these leaders to provide input on where they require specific technical and regulatory education (that may not be readily available) and collaboration with industry trends to help align the workforce.

We attempt this via regular meetings and working sessions. However, during the COVID pandemic, we have struggled to meet these objectives. As we begin to see light at the end of this long tunnel, we look forward to engaging our OAG team and advancing these discussions.

We would like to thank the contributions from our OAG team and are looking for additional members to join us and improve our capabilities. If you are interested in joining the OAG team, please contact Marvin "Guy" Royal at execvp@ispedvc.org.

INTERESTED IN ISPE MEMBERSHIP?

Click [HERE](#) or [send an email](#) for more information.

Due to COVID-19, our next Habitat volunteer date is unknown. Please consider supporting your local Habitat through financial or goods donations. You can locate your local organization [HERE](#).

SOCIAL NETWORKING

DVC members are invited to join our group on LinkedIn for event notifications, networking and information sharing. Find us at ISPE-DVC on LinkedIn, Facebook, and Twitter or click below:



ASSESSING ENVIRONMENTAL IMPACT OF BIOPHARMACEUTICAL MANUFACTURING

February Education



Alexander Adams, GlaxoSmithKline

How do you assess the environmental impact of a biopharmaceutical manufacturing process?

Alexander Adams, a project engineer

from GlaxoSmithKline, shared an approach that has been adopted within the biopharmaceutical R&D organization at GSK. During a one-hour webinar, Alex described the tools used to perform assessments of different products as they move through the clinical phase of development. Each assessment is made by projecting the impact at a common commercial manufacturing scale to enable consistent and relative comparisons across products.

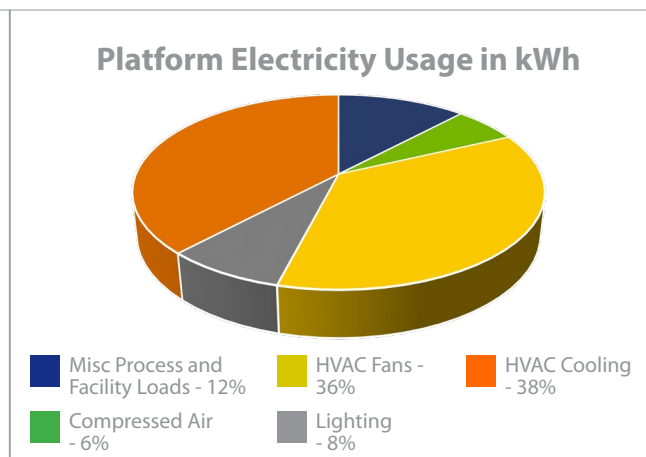
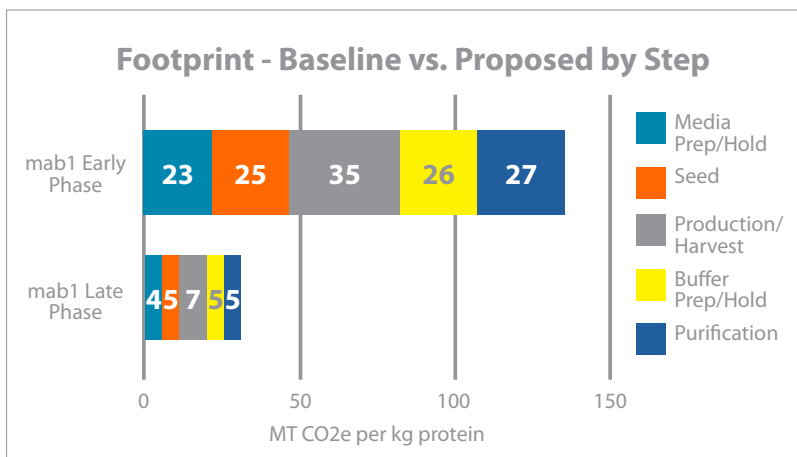
Alex first provided context of the relative energy intensity of biopharmaceutical bulk drug

substance manufacturing via mammalian cell culture, due to the controlled environmental conditions maintained around the bioburden controlled process. The electrical energy for maintaining environmental conditions, i.e., HVAC systems is greater than 70 percent of the total used in the plant and more than six times what is required for process direct energy. The energy used is directly proportional to the carbon footprint of the product being made and therefore time in plant and process productivity are key elements to focus on when striving to reduce the environmental impact of biopharmaceutical product.

The webinar then described to the attendees the tools used at GSK to assess overall impact for each specific product. They consisted of a customized carbon footprint tool, the Process Mass Intensity (PMI) tool published by the American Chemical Society's Green

Chemistry Institute, and a custom developed recycling efficiency metric. By using all three tools, a full picture of manufacturing process's overall environmental impact is understood. A sensitivity analysis was shared that reported carbon footprint impact by varying one process characteristic at a time. The conclusion? More productive processes and shorter manufacturing times per batch should be the goal in reducing the environmental impact of a specific product.

The webinar was well attended with participants representing owner organizations, consultants and suppliers from across the pharmaceutical industry. The ISPE DVC Board of Directors thanks Alex for his excellent presentation and discussion on this topic, as focus on the environmental impact of biopharmaceutical products and efforts to increase sustainability continues to intensify across the industry.



AUTOMATION 101: AN INTRODUCTION TO AUTOMATION

Presented by the Emerging Leaders Committee

The Emerging Leaders committee (previously Young Professionals) hosted their fourth lunch and learn of the 2020-2021 year on April 22.

The lunch and learn featured a presentation by Cory Perelman, a Lead Engineer at CRB. Cory has over five years of experience in designing process instrumentation and controls for both cGMP manufacturing and cGLP laboratory environments.

The presentation discussed the basic hierarchy, along with terms and definitions, of automation through the Purdue Reference

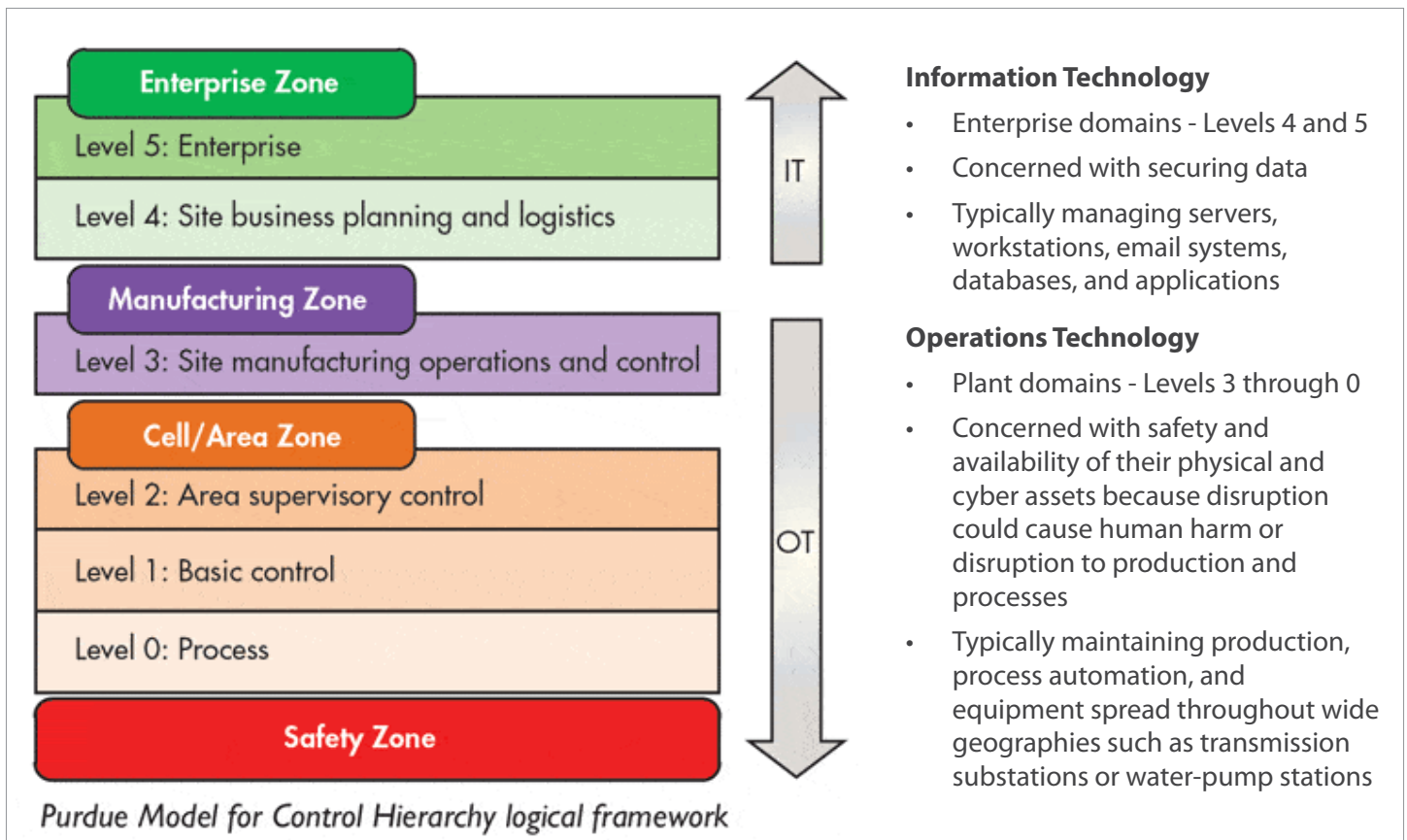
Model. Through Levels 0-2, Cory explained process, basic control, and supervisory control – describing valve types and their components, field bus networks, remote IO, control systems, and SCADA. In Level 3, Cory discussed site manufacturing operations control, such as MES, DeltaV, Wonderware and LIMS. And in Levels 4 and 5, Cory briefly touched on site business, planning, and enterprise.

Cory finished his presentation with Pharma 4.0 and expected trends to see in the future of automation, including the digital twin.

This presentation had a lot to cover in a short amount of time, but Cory did well to discuss each item in detail in a clear and concise manner for easy consumption. Thank you, Cory!

EDUCATION TOPIC IDEAS?

What topics would you like to see covered at future education programs? Click [HERE](#) to send your ideas.



INTEGRATED APPROACH TO SEMI-CONTINUOUS BIOPHARMACEUTICAL MANUFACTURING

April Education



Integrated Manufacturing Value Proposition



Mehdi Ghodbane,
GlaxoSmithKline

The pharmaceutical industry, and more recently the biopharmaceutical industry, have been innovating ways of manufacturing drug products

by moving from the traditional batch approach to more efficient continuous systems. There have been challenges applying the continuous approach specifically to biopharmaceutical drug substance manufacturing, but many companies have made significant progress in this space as there is much benefit to be gained.

ISPE DVC was proud to host a one-hour webinar in April that featured Mehdi Ghodbane, PhD, a Scientific Leader in GlaxoSmithKline's

Biopharmaceutical Product Development & Supply organization, who presented work within GSK's R&D organization to develop a semi-continuous biopharmaceutical manufacturing approach that would capture the benefits of innovated continuous manufacturing.

Mehdi began his presentation by reviewing the wide range of value and benefits that continuous manufacturing offers the industry. He described and explained a design approach that integrated process and equipment design, with automation, analytical sampling strategy, and data informatics to deliver an end-to-end bulk drug substance that

successfully demonstrated proof of concept. For each of these areas, Mehdi explained the design philosophies and the design basis that produced a modular constructed process train as shown in *Figure 1*.

Key aspects of the overall system design entailed several strategies that provided for a robust system. The process was designed to provide a range of product output rather than at one set design point. This enabled its adaptability to



Figure 1

(continued on page 11)

INTEGRATED APPROACH TO SEMI-CONTINUOUS BIOPHARMACEUTICAL MANUFACTURING (cont.)

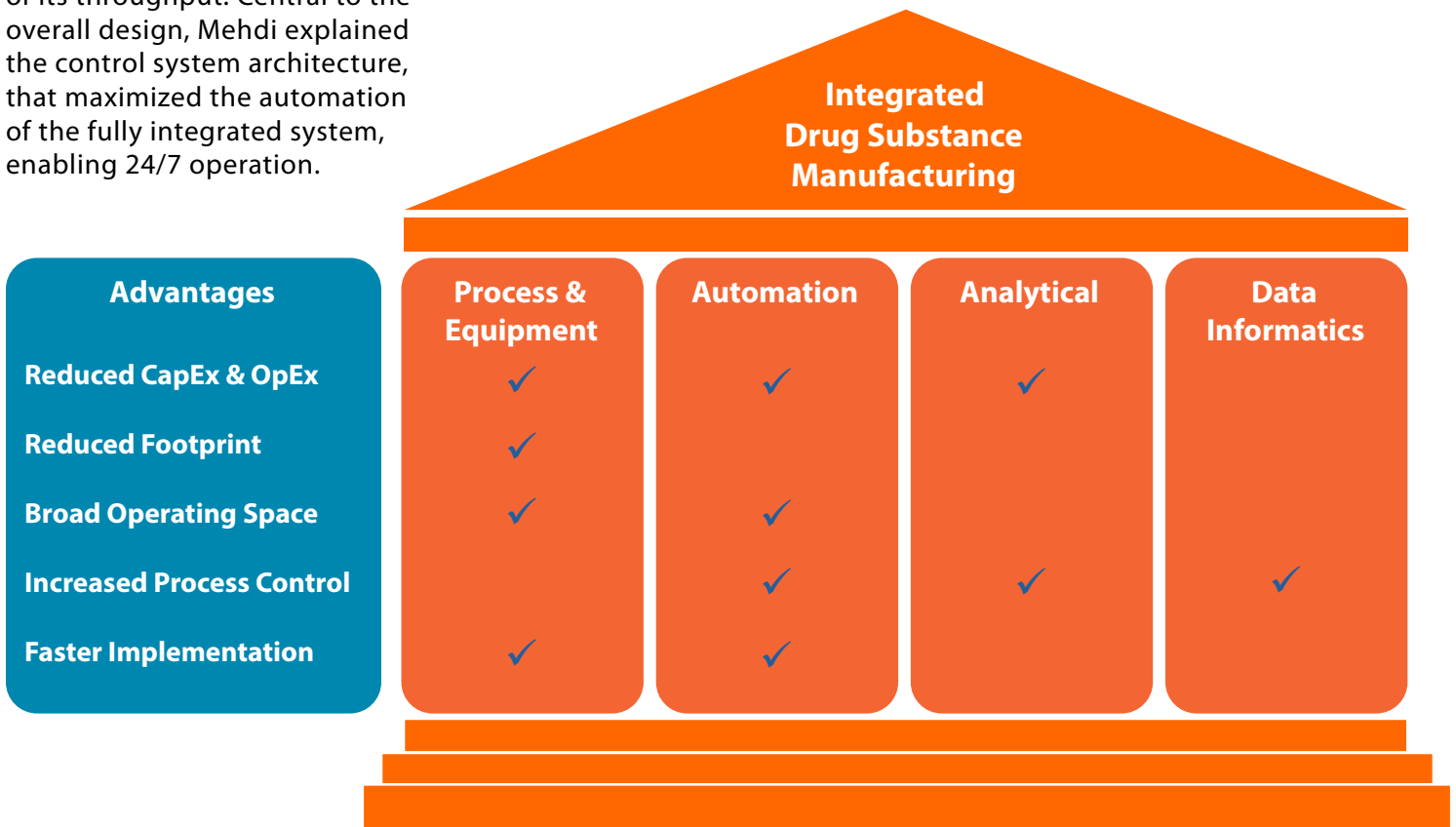
April Education

different products and demand. The design highly leveraged single-use technology to minimize cleaning requirements and cleaning qualification between process runs and products. The operational design approach was semi-continuous allowing for process hold-up volumes to be built-in at different points in the process that allow for flexibility in upgrading unit operations in the future as well as providing the ability to correct process upsets. It incorporated a duty-standby filtration that enabled filters to be switched over during processing when each filter reaches the limit of its throughput. Central to the overall design, Mehdi explained the control system architecture, that maximized the automation of the fully integrated system, enabling 24/7 operation.

In summary, the semi-continuous integrated system delivers the desired process intensification concepts which will result in future manufacturing operations of biopharmaceuticals that can produce more product at lower operating costs within a smaller facility footprint and with lower initial capital cost across the projected life of the manufacturing unit.

There was interactive discussion and questions during the webinar from the participants, who represented owner organizations, consultants and industry suppliers.

The ISPE DVC Board of Directors thanks Dr. Ghodbane for his outstanding presentation and discussion on this very topical challenge within the biopharmaceutical industry. It is an area of technological innovation that is continuously pursued in order to reduce the cost of manufacturing to provide more medicines to more patients across the globe.



BOARD MEETING & CHAPTER SPONSOR APPRECIATION DINNER

2020-2021 Final Board Close-out Meeting

The old adage stands true to this day: "You don't know what you've got until it's gone."

Such was the year for all of us in 2020/2021 when the Coronavirus pandemic hit and all of our in-person events quickly pivoted to virtual events.

ISPE DVC is back stronger than ever to continue to provide value to our members, push boundaries, pivot in times of challenges and intentionally craft events around the professional development, networking aspect and growth of biotech and pharmaceutical professionals. We can't wait to see you (in person or virtually!) at our upcoming events!

Check out the full photo album from our 2020-2021 Final Board Close-out Meeting & Chapter Sponsor Appreciation Dinner by [clicking here](#) or see a sampling of photos below.



ADVERTISE WITH US!

Interested in advertising for our next program year? ISPE Matters is the perfect spot for advertising your business! We reach the heart of the pharmaceutical industry in the Delaware Valley. The standard ad cost is \$250 and will be printed in all issues this year.

If you are interested in advertising in ISPE Matters, please contact: Tieg Murray Rustam at MAC@ispedvc.org

INTERPHEX 2021 (October 19-21)

Each year, ISPE DVC gives back to its members by providing a free bus service from Blue Bell, PA to INTERPHEX (Javits Convention Center, NYC) and back. Complimentary tickets are on a first-come, first-served basis! Limited to the first 48 ISPE DVC member registrants! Light refreshments and snacks will be provided on the bus.

- Depart Blue Bell, PA (IPS parking lot): 7:15am
- Arrive Javits Center, NYC: 9:30-9:45am
- Depart Javits Center, NYC: 5:00pm
- Arrive Blue Bell, PA: 7:30pm

Stay up-to-date on INTERPHEX show dates and health and safety info [HERE](#).

WELCOME NEW ISPE DVC MEMBERS!

February 2021 - July 2021

Tyler Piatt
IPS

Megan Pastore

Richard Brunetti
STEQ America LLC

Michelle Lemasters

Daniel Kinsey
PSC Biotech Corporation

Robert Gardner
SP Industries

Tammy Brennan

Julia Strauss
Sharp Packaging
Solutions

Tony Strickland
CSL Behring

Tim Krug

Tanya Cook-Ellis
Sodexo Corp.

Stacy DeLoatch
Novo Nordisk

Charles Goldberg

Jeffery Farley
ABEC

Deanna Kipp

Penny Maurer
Organon

Ed McGinn
NSI, Neal Systems, Inc.

Joanne Vanderheyden
Watson Marlow

Troy Logan

Tyler Tillman
Honeywell IM&C

Max Innocent
GlaxoSmithKline

Benjamin McGovern
FTI Consulting

Ken Oxford

Krina Shah
Novavax

Gregory Martin
GJM Partners

Carolyn Micklesavage
Jubilant Pharma
Holding

Thomas Wescott
MMR Consulting Inc.

Zachary Torchia
RPA Engineering

Eileen Brett

Eric Hacherl
Spark Therapeutics

Jonathan Amt

Cianna Cooper
Merck & Co.

Dave Cavalero

Gemma Liscsak

Kapil Kothary

Michael Hunt
Wuxi Advanced
Therapies

Michael Cloud
Jacobs Engineering
Group

Michael Geanous
Decontamination
Specialty Equipment

Meredith Kasian
CSL Behring

Ryan Datz

Bryan Siegfried
Elizabethtown
Readiness Center

Amanda Schumacher
Borton Lawson
Engineering &
Architecture

Carmina Sia-Dictor
IPS

NEW PROGRAM YEAR

2021-2022: Look for an upcoming email from ISPE DVC announcing our new board members for the 2021-2022 program year.

We are already hard at work using your feedback to plan relevant and captivating events for this new program year!

WRITE IT DOWN!

If you would like to be published in ISPE Matters, please send your articles or ideas to us for consideration in the next issue.

All prospective articles should be emailed to Tieg Murray Rustam at MAC@ispedvc.org

MEMBER MILESTONE ANNIVERSARIES January 2021 - July 2021

35 Years

John Piela

Daniel D'Aquila

GlaxoSmithKline

Craig Broecker

Astral RX

Eric Staib

Genpact

30 Years

Gamal Amer

Paul Egee

IMA North America Inc.

Steve Buxton

Pfizer

Shawn Sullivan

Jacobs Engineering Group

Randyl Ernst

Arcadis

David Frenze

Gannett Fleming Inc.

Joseph DeVito

Teva Pharmaceuticals

Jonathan Wolff

AES Clean Technology, Inc.

Robert Hoernlein

Dennis Gross

Andrew Haines

IPS

Steven Eberling

Lend Lease US
Construction

15 Years

Steven Altomare

Precis Engineering Inc.

Mary Meslar

Meslar Consulting, LLC

T. David Hansen

Johnson & Johnson
Regulatory Compliance

Karen Hartman

Thomas Hartman

ISPE

Carl Bachman

Hargrove Life Sciences

Hugh Nesti

AZO Inc.

Eric Joesten

EwingCole

Robert Matje

RemTech, LLC

Ronda Bailey

Skanska USA

George Petroka

IES Engineers

Cory Kunkle

The STERIS Corporation

Ryan McDonough

DPS

Dieter Blank

Johnson Matthey
Pharmaceutical Materials

Mark Schultz

Evoqua Water Technologies

Neil Lewis

W. G. Natrin

Valsource Inc.

Grant Merrill

AES Clean Technology, Inc.

Michael Chropka

Hikma Pharmaceuticals

Nancy St. Laurent

St. Laurent Consulting

Richard Ohi

Johnson & Johnson
Consumer Inc.

Peter Millili

Bristol Myers Squibb

Ana Collins

IPS

Bill Stovall

Stainless Fabrication, Inc.

Michael Waters

Recordati Rare Disease

Daniel Septak

IPS

David Ostermayer

Merck & Co.

Joseph Donnelly

Hikma Pharmaceuticals

25 Years

Michael Ball

West Pharmaceutical
Services

Robert Taylor

Valsource Inc.

Marc Pelletier

CRB

Diane Friel-Padlo

JJ White Inc.

Victor Biller

URS Corporation

Paul Tramo

Sentinel Process Systems

Joseph Petrochko

PMP

Corey Greulich

Teva Pharmaceuticals

Michael Blackton

Adaptimmune LLC

20 Years

William Altier

Jennings Alberts Inc.

David Porreca

Jacobs Engineering Group

Christine Hofnagel

JacobsWyper Architects

Armando Cortes

John DaCosta

GlaxoSmithKline

Carlton Andrews

Meto Systems

Brian Snyder

IPS

Vanessa Levy

Paragon Validation LLC

David Sousa

Jacobs Engineering Group

Joanne Meloro

IPS

MEMBER MILESTONE ANNIVERSARIES (cont.) January 2021 - July 2021

James Obermeier
CYMA Builders &
Construction Managers

Michael Smart
ResultWorks LLC

Ronald Snee
Snee Assoc. LLC

Jonathan Woods
DPS Consulting Inc.

Kathy Wyrofsky
International Products
Corp.

10 Years

Michael Burns
Business Conversion

Robert Connors
Jacobs Engineering Group

Danielle Dorris
DPS Engineering

Stuart Gold
GlaxoSmithKline

Michael Harnish
KSM Technology Partners
LLC

Linda Kramer
Spark Therapeutics

Steven Lynn
Regulatory Compliance
Associates Inc

Patrick Marnella
Sanofi

Scott Miller
Johnson & Johnson

Adam Nelson
LEK Consulting

Allison Primorich
GlaxoSmithKline

James Robinson

Greg Sabatino
Eisai Inc.

Michelle Santoro
Skanska USA

Allen Smith
DoD CBRND Enabling
BioTechnologies

Gil Welsford
FS Welsford Co.

5 Years

Jorge Arias
CRB

Jonathan Becker
RPA Engineering

David Brown
MxStrategies

Christian Eichhorn
West Pharmaceutical
Services

Deirdre Garcia
HSC Builders &
Construction Managers Inc.

Craig Hamilton
Skanska USA

Joel Hanson
CSL Behring

Tim Hoover
GEA Process Engineering
Inc.

Robert Ievers
Merck & Co.

Claire Kensinger
Sanofi Pasteur

Lester Lamb
UPS

Tieg Murray Rustam
Skanska USA

Michael Plover
Michael J Plover LLC

Michael Sandy
Jacobs Engineering Group

Barry Sutphin
Plast-O-Matic, Inc.

Courtney Walker
Teva Pharmaceuticals

THANK YOU TO OUR 2020-2021 SPONSORS
FOR THEIR SUPPORT
