

Corning Cell Culture Connection

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Here's What's Next in Cell Culture

Discover the future.

Since 1915, Corning Life Sciences has provided innovations that help scientists save and change lives. We know the challenges researchers face are not small or easy, so we continue investing, learning, and growing to move science forward. Discover more about innovation at Corning Life Sciences in an interview with John “Yoshi” Shyu, Director of Commercial Technology and Chief Scientific Officer.

John Shyu

Director, Commercial Technology-
Production & Chief Scientific Officer



Q: Innovation is a commonly used word at Corning Life Sciences. Can you talk about how this plays a role in our culture and what drives the motivation to innovate internally?

A: Innovation is deeply embedded in Corning culture. It's not only encouraged but expected across all levels of the Life Sciences organization. Our teams are motivated by a shared commitment to solving complex scientific challenges and improving outcomes for researchers and patients. Internally, this drive comes from a combination of curiosity, a passion for discovery, and the understanding that our products can make a significant impact on global health. Leadership actively fosters an environment where new ideas are welcomed, risk-taking is embraced, and cross-functional collaboration is prioritized.

Q: How does Corning prioritize innovation to address the evolving needs of researchers and scientists, particularly during times of change?

A: Corning stays closely connected to the scientific community and our customers. We actively solicit feedback, monitor emerging trends, and respond quickly to shifts in research priorities. Cross-disciplinary teams are empowered to pivot and adapt, ensuring our product pipeline remains agile and responsive to the customers we serve.

Throughout this newsletter, read more of Yoshi's insights as they relate to the topics featured in this edition.

continued



NEW! Corning® MSCulture Max™ Media

Increase final hMSC yields, streamline culture, reduce in-process risk, and eliminate media exchanges, available in standard research-grade medium for MSC expansion.



Learn more

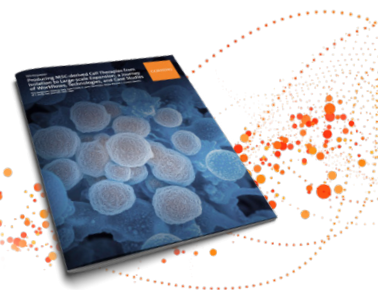


Over the past decade, stem cell research has made significant strides and has been increasingly applied as a therapeutic method for many disorders. Stem cells, by definition, are specialized cells naturally found in most body tissues, capable of self-renewal and differentiation into diverse cell types.

Various types of stem cells are under investigation for therapeutic applications, and their progress towards clinical use varies. Among these, mesenchymal stem/stromal cells (MSCs) have been leading the way, outpacing other multipotent and pluripotent cell types. MSCs boast a diverse biological toolkit that can be harnessed for therapeutic purposes.

Download our whitepaper, Producing MSC-derived Cell Therapies from Isolation to Large-scale Expansion, to learn from Corning field application scientists as they:

- Share insights into the development of production processes for MSC-based therapies.
- Cover common methods for MSC isolation and considerations for MSC production.
- Explore media options, surface chemistry, and cell expansion technologies, plus considerations for cGMP manufacturing.
- Offer learnings from working with academic and translational researchers, as well as biotech and pharmaceutical companies pushing the boundaries of MSC-based drug development, including case studies.



Download

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Q: How are you approaching co-innovation and collaboration with other companies or research institutions to accelerate scientific breakthroughs?

A: We recognize that some of the greatest scientific advancements come from collaboration. To accelerate breakthroughs, we engage in partnerships with leading research institutions, biotech companies, and key opinion leaders. Co-innovation involves joint development programs, sharing expertise and resources, and working towards common goals to solve complex challenges. We establish open communication channels and leverage each partner's strengths, whether in advanced material science or biological research to drive impactful innovations faster than we could alone.

Q: What are the key focus areas for the scientific innovation group in the coming years?

A: Our scientific innovation group is focusing on several key areas to align with market trends and feedback from our customers, ensuring our innovations remain relevant and valuable. We're looking at developing advanced cell culture technologies to support emerging research needs and enhancing our product offerings for improved workflow efficiency, especially for cell therapy applications. We're not only expanding capabilities in 3D cell models and organoids but also supporting translational research from discovery to clinical applications.



3D Cell Culture Summit Roadshow 2025



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This fall, Corning Life Sciences brought together leading minds from academia and industry to explore the future of 3D cell culture — sharing breakthroughs, best practices, and new ideas to advance cancer research and translational science. We went to 4 cities — San Diego, California; Houston, Texas; Toronto, Ontario; and Cambridge, Massachusetts — and heard from leaders representing 16 organizations.

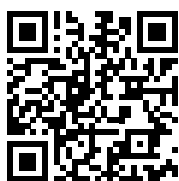
“It was very exciting and encouraging to see the engagement and diverse audience we had at the summits,” said Alejandro Montoya, Senior Market Manager, Advanced Solutions, who spoke at each of the events.

“We had people from academia and people from industry, there were people with different levels of expertise, from benchtop lab scientists to executives,” he said. “It was very exciting to see not only how our products are being used in research ... but, from some of the industry presenters, it’s nice to see the translation of that research into technologies or therapies that could be used to help patients.”

The sessions included talks on cutting-edge research topics, like using an AI-powered human brain organoid platform for precision medicine and the use of three-dimensional tumor models for advanced drug screening and personalized cancer research.



Missed us in person?
Find recordings of the summits here.



San Diego



Houston



Toronto



Cambridge

More details will be coming soon on our 3D Cell Culture Summit destinations for 2026. Keep an eye on our [Instagram](#) to stay in the know.



Mastering Cell Culture: Your Guide to Corning® Matrigel® Matrix

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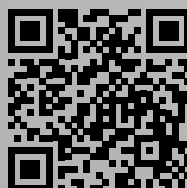
Running a lab means juggling a thousand variables—and cell culture consistency shouldn't be one of them. Even small variations in ECM handling or formulation can impact your 2D and 3D cell culture results. Our new whitepaper shares expert-backed guidance to help lab teams strengthen reproducibility and streamline workflows.

Inside, you'll find:

- Formulation guidance
- Handling, storage, and thawing best practices
- Advanced workflows
- Troubleshooting tips

Get the guide and empower your lab with proven Matrigel matrix best practices.

Download



Here's What's Next in Cell Culture

Q: How does the innovation team balance long-term visionary projects with the immediate needs of customers and the life sciences market?

A: We maintain a dual-track approach: dedicated teams work on disruptive, long-term projects with our colleagues doing research around our innovation centers while others focus on incremental innovations with our Development and Engineering colleagues that directly address current customer challenges. We gather frequent feedback from customers and use market analytics to prioritize projects. This ensures we're delivering solutions that meet urgent needs, while also investing in transformative technologies that position Corning Life Sciences for future growth.



Collaborate with Corning

Are you looking for opportunities to share your work?

Connect with the Corning team for a chance to get involved in events like the 3D Summit, or our online Corning Scientific Seminar Series.

Learn more



Connect with Corning

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Missed seeing us in person in 2025? Don't worry! We'll be at several industry conferences and on the road again this year with the 3D Cell Culture Summits.

The 3D Cell Culture Summit 2026 planning process is underway. Stay tuned on more information for the future of the roadshow. Want to bring the summit to your city next year? Submit your city name for a chance to bring Corning to town! Each submission entered by March 16, 2026 will be entered in a raffle for a chance to win a Corning Life Sciences Stackable Yeti!

Enter Now



American Association for Cancer Research Annual Meeting

Booth 3929
April 17-22, 2026
San Diego, California

International Society for Cell & Gene Therapy

Booth 1112
May 6-9, 2026
Dublin, Ireland

International Society for Stem Cell Research Annual Meeting

Booth 501
July 8-11, 2026
Montréal, Canada



Here's What's Next in Cell Culture

Q: As we look ahead to 2026, what emerging trends or technologies do you see shaping the future of the Life Science industry?

A: We'll be contributing to several trends that are likely to shape the industry. Corning Life Sciences is investing in many areas to ensure we continue to support scientists with innovative products and solutions that meet the evolving demands of life sciences research. These areas include increased adoption smart consumables for diagnostics and screening, growth in personalized medicine and genomics-driven therapies, and expansion of 3D cell culture tools, such as organ-on-a-chip technologies.



Learn From Our Experts

Check out these webinars available on demand.

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Measuring Sustainability in the Lab: 5 Metrics for Success
11:00 a.m. EST | September 25, 2025



Presented by
Gaya Kasi
Product Sustainability Portfolio Manager
Corning Life Sciences

Measuring Sustainability in the Lab: 5 Metrics for Success

Laboratories have long been vital to innovation and discovery. Yet, their operations can carry a heavy environment...

4 months ago | 31 mins

Cell Culture Fundamentals: Best Practices for Better Cell Culture
11:00 a.m. ET | June 19, 2025



Presented by
Hilary Sherman
Senior Scientist, Cell Biology
Corning Life Sciences

Cell Culture Fundamentals: Best Practices for Better Cell Culture

In this webinar we will discuss ways to achieve more consistent and better-quality results from your cells. We'll cover concep...

7 months ago | 33 mins

Cell Culture Fundamentals: Cryopreservation, Pipetting, and More
10:00 a.m. CET | Wednesday, February 19, 2025



Presented and Live Q&A by
Raquel Matos, Ph.D.
Scientific Support Manager
Corning Life Sciences

Cell Culture Fundamentals: Cryopreservation, Pipetting, and More

This webinar will cover: - Choosing the right surface and media - Good practices for pipetting - Cryopreservation of samples

11 months ago | 43 mins

Integrating World Precision Instrument's EVOM™ TEER Technology with Corning® Transwell® Permeable Supports for Reliable and Reproducible Results
11:00 a.m. EST | October 2, 2025



Presented by
Hilary Sherman
Senior Scientist
Corning Life Sciences

Presented by
Adrienne Watson
Chief Scientific Officer
World Precision Instruments

Integrating World Precision Instrument's EVOM™ TEER Technology with Corning®...

This webinar will provide a comprehensive introduction to transepithelial/endothelial electrical resistance (TEER) and its critical...

3 months ago | 44 mins



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