LOOK 2024) DA8





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Welcome to our 2024 Lookback, the Dark Horse Consulting Group annual year-in-review.

2024 was a milestone year across the board: we marked our tenth anniversary, acquired BioTechLogic, added a new department (Clinical), launched ICMC™, and increased our content libraries by another five expert webinars (page 27) and seven case studies (pages 20-26).

Our tenth anniversary began on March 15th, the date on which Anthony Davies founded DHCG in 2014. See the facing page for a look at how our footprint and that of the industry have changed in the intervening ten years.

The biggest news in our very big year came in October, when we announced our acquisition of BioTechLogic, Inc., a 20+ year success story and recognized forerunner in technical operations, manufacturing, quality, and regulatory CMC consulting. BioTechLogic's dozen consultants (pages 18-19) expand the availability

and expertise of our consulting teams while further optimizing efficiencies of cost, timeline, and resources.

What does this mean for current and future clients of either practice? As a fully integrated global consulting practice, Dark Horse Consulting Group now has two business units with two distinct business models: Dark Horse Consulting (DHC) and BioTechLogic (BTL). We jointly offer a wide range of biopharma services. Turn the page for details on how DHC and BTL will interface with one another.

The fall of 2024 also gave us the Initiative for Certification of Manufacturing Capabilities (ICMC), a groundbreaking offering delivered by DHC (pages 30-31). With an industry-leading track record in supporting both CGT therapeutic developers and manufacturing organizations, we are uniquely positioned to deliver credible and unbiased evaluations to help drug developers make informed decisions in selecting their manufacturing partner.

In 2024 we brought on two medical experts to form our new Clinical Department: Adnan Jaigirdar, M.D., FACS (page 9) and Kristin Baird, M.D. (page 10). Common client requests in this area currently include clinical strategy and trial design, integrated regulatory authorship, and support in convening a medical advisory board. Pages 20-21 include case studies specific to this department.

Be sure to follow us on social media so you can hear all our latest news as it happens: search for "@darkhorsecagt" on X and "Dark Horse Consulting Group Inc." or "BioTechLogic, Inc." on LinkedIn. If you're not yet receiving The Quarter Horse newsletter, subscribe via darkhorseconsultinggroup.com/newsletter-signup.

As always, reach out with any questions or to schedule an initial consultation: details on the back page. We look forward to keeping in touch.





FOUNDER & CEO





Katy Spink, Ph.D.
COO & MANAGING PARTNER



Robert Allen, Ph.D.
MANAGING PARTNER &
GENERAL MANAGER,
DHC EUROPE

DARK HORSE CONSULTING

2024 marked double-digits for Dark Horse Consulting Group. A lot has changed between then and now!

	THEN (2014)	NOW (2024)
EMPLOYEES	1	63
GLOBAL OFFICES	1	4
PROJECTS	1	1,000+
APPROVED CGTs IN THE U.S.	1	34 *†

^{*} not counting cord blood product

[†] Source: https://www.fda.gov/vaccines-blood-biologics/cellular-genetherapy-products/approved-cellular-and-gene-therapy-products

Dark Horse Consulting Welcomes BioTechLogic

On October 2, 2024, we were thrilled to announce our acquisition of BioTechLogic, Inc. As Greg Thomas, Partner at WestView and DHC Board Director, said at the time, "Combining BioTechLogic with DHC will create a powerhouse in the biopharma consulting space, while retaining a critical focus on advanced therapies."

Our fully integrated global consulting practice, Dark Horse Consulting Group, Inc., is now comprised of two business units with two distinct business models: Dark Horse Consulting (DHC) and BioTechLogic (BTL). We jointly offer services across nearly all biopharma markets.

DHC's business model is structured, staffed, priced, and positioned around leveraging industry-leading experience to close gaps in our clients' knowledge or expertise, enabling them to accelerate their strategic objectives. This support typically takes the form of short- to mid-term engagements.

BTL's business model is structured, staffed, priced, and positioned around leveraging two decades of operational experience and expertise to close capability gaps for our clients, enabling achievement of operational and development objectives...typically through embedded mid- to long-term engagements.

Through our two business units, we are uniquely positioned to address a wide range of client types and challenges, offering tailored combination of relevant expertise, resources, and engagement types.

On the facing page, see examples of BTL's areas of focus and most popular service offerings. And then, turn the page to see the Core Capabilities and common service offerings from the DHC team.

BioTechLogic's Areas of Focus



PRODUCT & PROCESS DEVELOPMENT

- Process characterization and risk assessment
- Quality Target Product Profiles (QTPP) and Critical Quality Attribute (CQA) assessments
- Process development descriptions, documentation, and reports
- Process material evaluations
- Process development, qualification, and validation



QUALITY ASSURANCE

- Establishing quality management systems excellence
- Internal and external audits
- Global FDA/EMA remediation projects
- Combination products quality support



ANALYTICAL DEVELOPMENT

- Analytical method development and validation
- Product characterization
- Method transfer
- Regulatory compliance, SOP generation, and submission support
- Analytical method troubleshooting



PROJECT & PROGRAM MANAGEMENT

- Project and program creation
- Project execution and communications
 planning
- Project execution, tracking, reporting, and document management
- Mitigation and problem resolution



FACILITIES, MFG, & COMPLIANCE

- Facility assessment/design optimization
- Contract services selection and mamt
- Tech transfer and process scale up
- Person-in-Plant and suite mgmt
- Internal and external audits
- Inspection readiness
- Troubleshooting/ongoing optimization
- Aseptic fill/finish
- Combination product mfg support



REGULATORY AFFAIRS

- Regulatory filing, planning, & readiness
- Filing preparation, review, & publishing
- Regulatory body liaison
- Accelerated filing support
- Combination products regulatory support

Dark Horse Consulting's Core Capabilities



PRODUCT & PROCESS DEVELOPMENT

- · Process evaluation
- Process codification
- Product & process development planning
- Comparability studies
- Process & test remediation
- Interim functional leadership



REGULATORY AFFAIRS

- Regulatory strategy
- Regulatory gap analysis
- Meeting assistance
- U.S. FDA Agent
- Integrated regulatory authorship
- Interim functional leadership



ANALYTICAL DEVELOPMENT

- Method development
- Specification setting
- · Qualification and validation
- Method transfer
- Comparability testing
- Next-gen sequencing & off-target analysis
- Interim functional leadership



NONCLINICAL DEVELOPMENT

- Preclinical/nonclinical strategy
- Technical writing
- Vendor selection
- Study design and oversight



DEVICE DEVELOPMENT

- URS development
- Landscape scan and gap analysis
- Custom device design
- Contract manufacturing management
- Regulatory documentation



CLINICAL REGULATORY

- · Clinical strategy and trial design
- Integrated regulatory authorship
- Medical advisory board

OUR NEWEST CORE CAPABILITY



FACILITIES, MANUFACTURING, & COMPLIANCE

- Ops and capacity planning
- CDMO selection
- Tech transfer/CDMO oversight
- Facility design
- Failure analysis
- Mock audits and remediation
- Interim functional leadership



QUANTITATIVE MODELING

- Capacity planning
- Cost of goods (COGs) analysis
- Build vs. buy analytics
- Market analysis
- Profit margins/business use case
- Pegasi



QUALITY ASSURANCE

- QMS design
- QMS gap assessment
- Document authoring/review/revision
- Supplier oversight
- Audits
- QP support
- Interim functional leadership



MARKET EXPERTISE

- Needs assessment/market research
- Voice of customer (VoC) surveys
- Marketing strategy



PROJECT & PROGRAM MANAGEMENT

- Timeline analysis
- Project management
- Program development planning
- Strategic portfolio prioritization
- Interim functional leadership



DILIGENCE & BUSINESS STRATEGY

- Due diligence technical assessments
- Landscape scanning
- Teach-ins
- Message optimization and market positioning

6 Dark Horse Consulting Group



Meet the DHC Team

In 2024, we added four new Horses to our team, all of whom are called out with a light green outline around their pictures. The rest of our team's images are within orange circles, designating those who have been with us since 2023 or before. Each Principal, Practice Expert, and Consultant has underneath their name one or more icons to indicate their core capabilities (pages 6-7).

Executive Leadership Team



Anthony Davies, Ph.D. FOUNDER & CEO



Katy Spink, Ph.D. COO & MANAGING PARTNER



Robert Allen, Ph.D. MANAGING PARTNER & GENERAL MANAGER DHC EUROPE



John Ng DHC ASIA PACIFIC



BUSINESS DEVELOPMENT

Department Heads



Kimberly Benton, Ph.D. MASTER PRINCIPAL; HEAD OF REGULATORY























HEAD OF OUR NEW DEPARTMENT

Adnan Jaigirdar, M.D., FACS

SENIOR PRINCIPAL

HEAD OF CLINICAL

Ø

Heath Coats. M.S.

SENIOR PRINCIPAL;

HEAD OF FACILITIES &









Stephan Croft, MSc., Eligible QP SENIOR PRINCIPAL: HEAD OF QUALITY











Nathan Manley, Ph.D. SENIOR PRINCIPAL: HEAD OF NONCLINICAL















GENERAL MANAGER



Sanjin Zvonić, Ph.D.



Scott Cross, M.S. SENIOR PRINCIPAL: HEAD OF GENE THERAPY CMC











Practice Experts and Principals



Kristin Baird, M.D. MASTER PRACTICE EXPERT



Donald Fink, Ph.D. MASTER PRACTICE EXPERT REGULATORY





Tal Salz, Ph.D.



Liz Cauldwell PRINCIPAL



Joshua Beckett SENIOR CONSULTANT



Blake Bergam SENIOR CONSULTANT



Liam Breen, MChem, MRSC SENIOR CONSULTANT

5

































Allyson Davidson, Ph.D. SENIOR CONSULTANT



Elizabeth Figueroa, Ph.D. SENIOR CONSULTANT





to Practice Expert!

Carrie Fitzgerald, CQA SENIOR CONSULTANT









Amanda Mack, Ph.D.



Sara Masterson, MBA



Brent Morse, M.S.



Jacob Staudhammer
PRINCIPAL













Michael Kinzie

Senior Consultants and Consultant



Christina Fuentes, Ph.D. SENIOR CONSULTANT



Liying Guay, M.S. SENIOR CONSULTANT



Anne Lamontagne, M.S. SENIOR CONSULTANT







Lyndsey Treacher SENIOR CONSULTANT **≠** ₹ **© ©**



Melissa Triggiano, M.S. SENIOR CONSULTANT











4.73/5

How would you rate the quality of the deliverables? 4.87/5

What is the likelihood you

4.73/5



How well did DHC understand

your business needs?

4.80/5

How well did the deliverables

meet your business needs?

How would you rate your experience with DHC overall?

In 2024, our

Client Satisfaction ratings

reached an all-time high:

4.87/5



Sean O'Farrell, Ph.D. SENIOR CONSULTANT









Uzma Shoukat-Mumtaz, PMP

SENIOR CONSULTANT







Madeline St. Onge, MBA SENIOR CONSULTANT



Heather Todd, M.S. SENIOR CONSULTANT







Sam Blackford, Ph.D. CONSULTANT









Enabling Functions Team

FINANCE



Sheryl Andersen VICE PRESIDENT, FINANCE



Germina Jackson STAFF ACCOUNTANT

LEGAL



Mohammed Hill, J.D. **GENERAL COUNSEL &** CORPORATE SECRETARY



Cecilia Sohi CONTRACTS ADMINISTRATOR & LEGAL ASSISTANT

Business Development



Sanjin Zvonić, Ph.D. BUSINESS DEVELOPMENT



Oliver Ball, MSc. DIRECTOR, BUSINESS DEVELOPMENT



DIRECTOR, BUSINESS DEVELOPMENT Alex joined the BD team when BioTechLogic merged with DHC



Rachel Luarte MANAGER, **BUSINESS OPERATIONS**

ADMINISTRATIVE



Jessi Rubbicco DIRECTOR **ADMINISTRATION**



Ebby Niyazi EXECUTIVE ADMINISTRATOR/ OFFICE MANAGER



Kathleen Farrance, MFA EXECUTIVE ASSISTANT/ OFFICE MANAGER

While DHC and BioTechLogic are independent companies under the Dark Horse Consulting Group umbrella, we share a joint Business Development group. We will collectively respond to your request, whether it comes in through the DHC or BTL site.

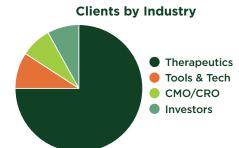


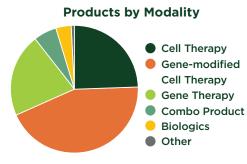
Visit darkhorseconsultinggroup.com/consult/ or scan this QR code to request a complimentary initial consultation.

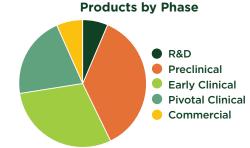


Visit biotechlogic.com/request-consultation or scan this QR code to request a complimentary initial consultation.

DHC at a Glance







Select Therapeutic Competencies:

- Primary cells and tissues
- iPSCs, ESCs (incl. gene-modified)
- HSCs, MSCs (incl. gene-modified)
- T cells (aβ, γδ, Treg), TILs, NK cells, B cells, DCs (incl. gene-modified)
- Viral gene delivery (LVV, AdV, AAVs, RVs)
- Non-viral gene delivery (mRNA, exosomes, LNPs, etc.)
- Gene editing (CRISPR/Cas, ZFN, TALEN, etc.)

Regulatory Support

18	INTERACT & ITF	17	TYPE A-D & SA
39	PRE-IND	4	CLINICAL HOLD RESPONSE
58	IND & CTA	25	BLA & MAA
5	CATT & AMT		

BTL at a Glance

Projects by Therapeutic Types



- Gene Therapies
- Cell Therapies
- Combination Products
- Biosimilars
- Recombinant Proteins
- Complex Antibodies (incl. bispecific, ADC, etc.)
- Oligonucleotides & Peptides
- Vaccines
- Blood-Based Products

BioTechLogic's select therapeutic competencies include:

AAV Vector
AAV Sf9 Baculovirus
LV Vector
CRISPR/Cas
CAR T cells
Stem and progenitor cells
iPS cells
UCMSC's
Recombinant proteins
Complex antibodies
Oligonucleotides and peptides
Vaccines
Blood-based products
Fusion proteins
Synthesized macromolecules

Regulatory Submission Experience

Served as the primary CMC author for 102+ submissions.



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Meet the BTL **Team**

BioTechLogic's highly skilled professionals work alongside your staff and resources throughout the course of your project. We blend as teammates into your organization; not only serving as the technical expert and consultant, but also providing hands-on leadership to drive and successfully execute the plan. Icons underneath each team member indicate their areas of focus (page 5).

Co-Founders/ Department Heads



Patrick Giljum CO-FOUNDER, HEAD OF OPERATIONS







CO-FOUNDER:

& QUALITY



Vice Presidents



Tracy TreDenick Eileen Choi, Ph.D. VP OF MFG SCIENCE HEAD OF REGULATORY & TECHNOLOGY















David Fetterolf, MBA

VP OF







Directors and Consultants



Rachel Houp SENIOR DIRECTOR



John Kandl SENIOR DIRECTOR



Ashley Gucinski, Ph.D. EXPERT CONSULTANT









Julie Spyrison VP OF REGULATORY OPERATIONS





Ariel Bornstein SENIOR CONSULTANT









Samantha Burton SENIOR CONSULTANT







Haleigh Wetzel SENIOR CONSULTANT







CONSULTANT









This year we added seven new entries to our case study library, which provides examples of our Core Capabilities in practice. View full case study library here:



These first two case study examples are from our new Clinical department.

Convening a **Medical Advisory** Board





The Ask

A therapeutic development company sought investment to enable further clinical development of a mid-stage candidate cell therapy, including funding for a licensureenabling trial. In combination with the findings and recommendations identified and developed through DHC's due diligence of the therapeutic candidate's Chemistry, Manufacturing and Controls (CMC) and Regulatory position, the practice was appointed to recruit, convene and chair a Clinical Advisory Board to provide independent evaluation of existing clinical data to enable an informed view to be developed regarding the readiness and near-term potential for evaluation within a licensure-enabling trial.

The Impact

Why DHC?

Expand Client Bandwidth

Provide Additional Technical Expertise

Solve Existing Problem (Remediate)

DHC's leadership and expertise in executing a first-rate Clinical Advisory Board afforded our client an unparalleled opportunity to optimally inform their investment decision, appropriately based on the development of an impartial, multi-factorial evidence-based position.

> View this case study in full here:



Clinical Regulatory Writing and Focusing Regulatory Strategy











The Ask

Sometimes a client comes to DHC with a request that shifts dramatically upon our experts' evaluation of available documents and gathering of additional information. In this instance, a small-to-midsize company with an understanding of clinical needs (but with limited regulatory experience) initially came to DHC for document review and help with providing a list of pre-IND questions. Their goals included an expansive vision for their product development and an urgency to get a pre-IND meeting accepted within 30 days of project initiation for investor/fundraising purposes. In addition to the time constraints, the original goal was ambitious because the product is intended to be used in combination with various other products and could also be used to treat patients across multiple disease indications. The client was originally planning to send a package proposing this full range of treatment options to FDA.

Prior to engaging with DHC, another consultancy had begun this work for the client. The client came to DHC because they were experiencing concerns about timelines and the lack of

attention that they felt that their project was receiving. Upon receipt, DHC recognized that the package as prepared by the other consulting practice was inadequate for submission to FDA and that the regulatory advice was inappropriate for the development pathway. DHC consultants identified the regulatory challenges: a meeting package with this wide of a developmental scope would not make it through regulatory review in the time available, and likely would not be possible without a step-wise development plan.

The Impact

The client achieved their first business goal: a timely and concise FDA submission. Successful completion of the meeting provided the client with responses clarifying FDA's expectations for launching the first clinical trial. The client also now has a detailed understanding of how to segment their goals in order to maximize each opportunity before moving View this on to the next.

case study in full here:

Interim Functional Leadership





















The Ask

DHC has encountered a variety of examples in which a client requires a temporary personnel solution, a sort of strategically savvy SME-on-demand, and the approach we take to those varying situations can differ.

Senior leaders at DHC have held leadership positions at numerous companies in the past. Because our experts continuously collaborate on projects for gene, genemodified, and cell therapies across multiple modalities, encompassing all stages of development (nonclinical through to commercial), we're uniquely equipped to provide as much or as little support as any given situation requires.

This support could be in the form of leadership (Chief Technology, Manufacturing, or Regulatory Officer) or technical expertise in the areas of CMC, manufacturing, quality, regulatory, analytical, non-clinical, project management, and/or regulatory writing.

The Impact

DHC's goal is to progress the field of CGT by assisting organizations get to their next step(s) in a timely and effective manner while planning for future growth. In any of these situations, the impact is to keep each client's product or process on track and moving forward for as long as the client requires support (engagements have ranged from a few weeks to several years), stepping back and handing operations off to the client once they find themselves in a self-sufficient position. Embedding our experts can be extraordinarily helpful in minimizing disruption during change but these needs rarely, if ever, require a permanent DHC-based solution. Our emphasis is always on helping each client operate as efficiently, effectively, and independently as possible.

> View this case study in full here:



Transforming an Academic Nonclinical Data Package for IND Readiness









Why DHC? **Expand Client Bandwidth** Provide Additional Technical Expertise Solve Existing Problem (Remediate)

The Ask

The discovery of cutting-edge cell and gene therapy modalities often stems from innovative academic centers. who may then seek to partner with a biotech organization to engage in formal product development and to advance these promising drug candidates to patients. In this instance, a client developing a CAR-T cell therapy licensed from an academic institution hired DHC to provide full support in developing a pre-IND and subsequent IND-enabling nonclinical strategy based predominantly on in vitro and in vivo studies conducted at the academic center. In addition. and as is typical in these scenarios, the nonclinical studies were performed using drug product generated with an earlier production process that was being developed for GMP-readiness in parallel to the aforementioned regulatory activities. This engagement combined four of DHC's core capabilities, namely nonclinical development, regulatory affairs, process development, and analytical development.

The Impact

By working with Dark Horse, the client submitted a wellcrafted pre-IND package, which enabled actionable Agency feedback and a clear roadmap to IND submission. Subsequently, DHC and the client worked in collaboration to craft a robust and detailed nonclinical narrative for the IND. which resulted in its clearance with no hold comments or information requests from the Agency.

> View this case study in full here:



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Interim CMC Lead Helps Address an LNP-based Drug **Product Shortage**















The Ask

This client was experiencing a critical shortage of drug product to supply ongoing clinical trials and were about to run out of clinical material. A number of contributing variables were at play. First, the client had recently changed the CDMO that was manufacturing the LNP component of their drug product (DP), while additionally modifying its manufacturing process so that a tech transfer was not feasible. Secondly, drug product stability issues were being investigated. Thirdly, relationships with multiple drug substance (DS), critical component, and DP manufacturers were broken. Lastly, several lots of DP had failed to meet acceptance criteria and were therefore unusable to resupply the clinical inventory. The loss of these DP lots compounded the already tense relationship between leadership and the CMC/MSAT groups and brought the client perilously close to reaching the end of product shelf life and product availability for the current inventory. With only a few months of clinical supply remaining, and a 3-4 month manufacturing process timeline, the client reached out to DHC for help.

The Impact

DHC sped up and improved the client's manufacturing process, generating material suitable for drug product manufacture to successfully release clinical GMP drug product with little to no impact on the clinical supply. This allowed patients currently enrolled to continue with treatment as well as the enrollment of additional subjects. DHC also established a manufacturing forecast to ensure that future clinical supply would continue to be met; additionally. DHC identified, prioritized, and implemented further manufacturing improvements and analytical strategy for support as the client transitions to later stage clinical trials.

Why DHC?

Expand Client Bandwidth

Provide Additional Technical Expertise

Solve Existing Problem (Remediate)

View this case study in full here:

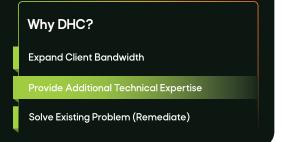


Market Analysis for a **Manufacturing Reagent**









The Ask

This client was considering acquisition of a company with a critical reagent used in the manufacture of viral vectors. To understand the market opportunity. DHC was asked to estimate current and future market sizes for this material as it pertained to its use in Adeno-Associated Virus (AAV) and Lentiviral Vector (LVV) manufacturing processes. This market size assessment was one piece of a broader diligence project conducted for this client.

The Impact

In addition to providing comprehensive diligence support. DHC provided a detailed overview of market size for the reagent in question to build a better understanding of whether this potential opportunity aligned with the client's investment thesis. The analysis performed provided the necessary details—including a consideration of the magnitude of potentially obtainable market share for this target—to allow the client to make a solid data-driven decision on future investments.

> View this case study in full here:



Strategic Support for Next-Generation CGT Platform

















The client asked for a review of the development status of equipment and disposables in addition to the projected timeline for the manufacture and readiness of GMP ready systems with the output being a gap analysis and recommended remediations.

DHC's Approach

First, DHC reviewed the foundational requirements documents (URS, FRS, SRS etc.) for the system design to check for maturity, clarity, and conciseness, as well as any duplication, all by way of ensuring that requirements were testable and traceable/trackable to a verifiable source.

Next, the team studied the project GANTT chart with the client's PM to thoroughly understand the reported status to promised timelines and management's future expectations at a sub-system and system level for the program.

With an understanding of the development baseline and the upcoming milestones, our team performed a deep dive into the status of each of the development disciplines with

the respective design leaders including an assessment of the maturity of the system design: assessing the existing prototype equipment and consumables as well as the proposed changes for inclusion in the next generation system.

Our review also included a resource assessment to map required effort with the current company resource profile.

Why DHC?

Expand Client Bandwidth

Provide Additional Technical Expertise

Solve Existing Problem (Remediate)

The Impact

The client received a gap analysis and an action list, with detailed supporting analysis and recommendations identifying specific remediation necessary to achieve their challenging launch timetable.

> View this case study in full here:



Unbridled Excellence webinars

2024 brought us another five Unbridled Excellence expert webinars. Each one takes a deep dive into a particular topic of interest to those in the CGT industry. View the entire library on-demand by scanning the QR code.



#6: Navigating Route to Market for CGT Enabling Technologies

This webinar provided a practical discussion on how to understand and navigate key issues. Our team has deep experience in supporting CGT enabling technology companies as they successfully commercialize their products, from which we shared lessons learned and best practices.

#7: Navigating Nonclinical Development for CGT Products

As an increasing number of CGT products reach the clinic, we can look back on their preclinical paths to identify common pitfalls and how to overcome them. This webinar explored the current state of nonclinical development for CGT products, focusing on big picture questions such as selection of suitable model systems, dose determination, and design of GLP tox studies.

#8: Practical Considerations for Implementing Advanced **Characterization Techniques into rAAV Release Panels**

This webinar focused on best practices and trends for implementing advanced methods for empty/full analysis, next-generation sequencing, and post translational modification analysis...as well as technical hurdles, regulatory considerations, industry trends, and advantages for implementing novel methods.

#9: Recommendations for IND Authorship

While providing phase-appropriate considerations and recommendations for IND authorship, our hosts included a survey of the recommended general structure of a CGT IND. discussed defining and codifying drug substance and drug product, reviewed best practices for streamlining authorship, and provided insight into what to expect after IND submission.

#10: Unique Considerations for Development of IND Strategy for Viral and Non-Viral Gene Editing

This webinar addressed unique product development considerations for the evolving gene editing and delivery landscape, including viral and non-viral delivery vectors such as LNPs and AAV. Topics

included clinical progress. creation of a modular IND roadmap, and specific product development challenges.



Office

Locations As a global consulting firm, we benefit from having footholds around the world.



DHC BAY AREA

Our San Francisco Bay Area office now serves as the global headquarters for all of Dark Horse Consulting Group: both DHC and BioTechLogic. It is also the home office of COO Katy Spink, Ph.D.



DHC ROCKY MOUNTAINS

In 2023 we opened a new office in Denver, CO, located at 1200 17th Street, Suite 650: Denver. CO 80202. This is the home office for our CEO, Anthony Davies, Ph.D.



DHC EUROPE

DHC Europe's new address is The ClubHouse St. James: 8 St. James's Square: London SW1Y 4JU and is run by MP and GM of DHC Europe. Robert Allen, Ph.D.



DHC ASIA PACIFIC

In 2023 we proudly incorporated DHC Asia Pacific and opened an office in Singapore under GM John Ng. This office is located at 9 North Buona Vista Drive: #02-01, The Metropolis Tower One; Singapore 138588.

Remote by Design

Dark Horse Consulting Group is "Remote by Design" (RbD), meaning that our team members are distributed across the globe, on purpose. Being location-agnostic allows us to seek out top talent, but it also means that we have a range of cultural fluency. Critically, we're also versed in variations across global regulatory bodies. Plus, being RbD builds a practicewide resilience that serves us well in uncertain times.





2024 was, as always, a busy year of conferences around the world. We have already completed our 2nd Annual CGT Landscape Forum at #JPM25 as well as this year's Advanced Therapies Week with Phacilitate. Here's a sampling of some conferences we have on deck for the rest of 2025. If you're planning to attend these or any other CGT conference, please make a note to connect with our BD team at bdteam@darkhorseconsultinggroup.com.

For updates, please visit darkhorseconsultinggroup.com/conferences.



MARCH 2025

BioCentury East-West Summit

Singapore

APRIL 2025

Meeting on the Med Rome

CGT Asia 2025 Shanghai

MAY 2025

BioKorea Seoul

ISCT

New Orleans

ASGCT New Orleans

Meeting on the Mesa Phoenix, AZ

OCT 2025

SEPT 2025 Phacilitate's

Advanced

Lisbon

Therapies Europe

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Closing a Critical Gap in the CGT CDMO Market



WHY ICMC?

The current Cell and Gene Therapy (CGT) CDMO landscape is rapidly expanding. Contract Development and Manufacturing Organization (CDMO) claims about ability to provide compliant and scalable manufacturing services are typically not proactively verified by the relevant regulatory bodies, leaving therapeutic developers challenged with evaluating credibility of prospective CDMO partners. This is causing fragmentation and a perception of diminished value in the CDMO market.

WHY PARTICIPATE?

Certification of CDMO capability claims by a credible independent party allows therapeutic developers to more robustly evaluate CDMO partners. Additionally, it allows CDMOs to build credibility and differentiation in the marketplace and introduces a level of standardization that is currently lacking.

WHY DHC?

With an industry-leading track record of cross-functional experience and expertise in supporting both CGT therapeutic developers and manufacturing organizations, Dark Horse Consulting Group (DHC) is uniquely positioned to act as the credible, expert, and unbiased party to perform such evaluations, as evidenced by the success and recognition of our global CDMO database and CDMO selection service offerings.

CERTIFIED MEMBER DIRECTORY Certification in Progress (i) Conditionally Certified CDMO Name / Location / Product Type AGC Biologics S.p.A. Milan, Italy Viral gene delivery products Jan 2025 Cell therapy products Cell bankina Andelyn Corporate Center (ACC) Columbus OH USA Oct 2024 Viral gene delivery products ElevateBio BaseCamp, Waltham Waltham, MA, USA Viral gene delivery products Oct 2024 Oct 2024 Oct 2024 Oct 2024 Oct 2024 Non-viral gene delivery products



Cell therapy products

ICMC Certification is a paid "opt-in" program, intended to verify capability and compliance claims of participating CDMOs by a credible, expert, and unbiased independent party. The scope of the certifications is focused on Quality and Operational capabilities required to manufacture the various types of CGT therapeutic products in a compliant and scalable manner.

Certified Member Directory lists the certification status of the participating program members. Additional members will be added and certified on an ongoing basis. Scan the above QR code or navigate to https://www.icmcprogram.com/certified-member-directory to bookmark the Directory for your reference.

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www.darkhorseconsultinggroup.com 31



Since DHC's founding in 2014 we have remained focused on the field of CGT. Over the last decade, the range and depth of the collective strategic and

tactical knowledge of DHC's hand-picked consulting team has grown rapidly. We apply best practices from across this and other industries to address the varied needs of our clients, who range from biopharmaceutical companies to tools & tech providers to venture capital and private equity investors. All of our services are tailored to meet specific client needs, providing as much or as little support as each client requests to effectively complement the existing expertise and bandwidth of each in-house team.

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A DIVISION OF DARK HORSE CONSULTING GROUP

Dark Horse Consulting Group is excited to welcome BioTechLogic to the stable!

For more than 20 years, BioTechLogic has been a

leading industry voice for biopharmaceutical CMC and manufacturing consulting excellence. BTL offers strategic, practical, and hands-on experience to help clients bring products to market quickly and successfully by augmenting and optimizing each organization's technical, manufacturing, analytical, and regulatory resources.

WEB: biotechlogic.com

EMAIL: contact@biotechlogic.com

PHONE: 303.775.9264

Our joint Dark Horse Consulting Group Business Development team will respond to your request, whether it comes in through the DHC or BTL site.



Visit darkhorseconsultinggroup.com/consult/ or scan this QR code to request a complimentary initial consultation.



Visit biotechlogic.com/request-consultation or scan this QR code to request a complimentary initial consultation.

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