

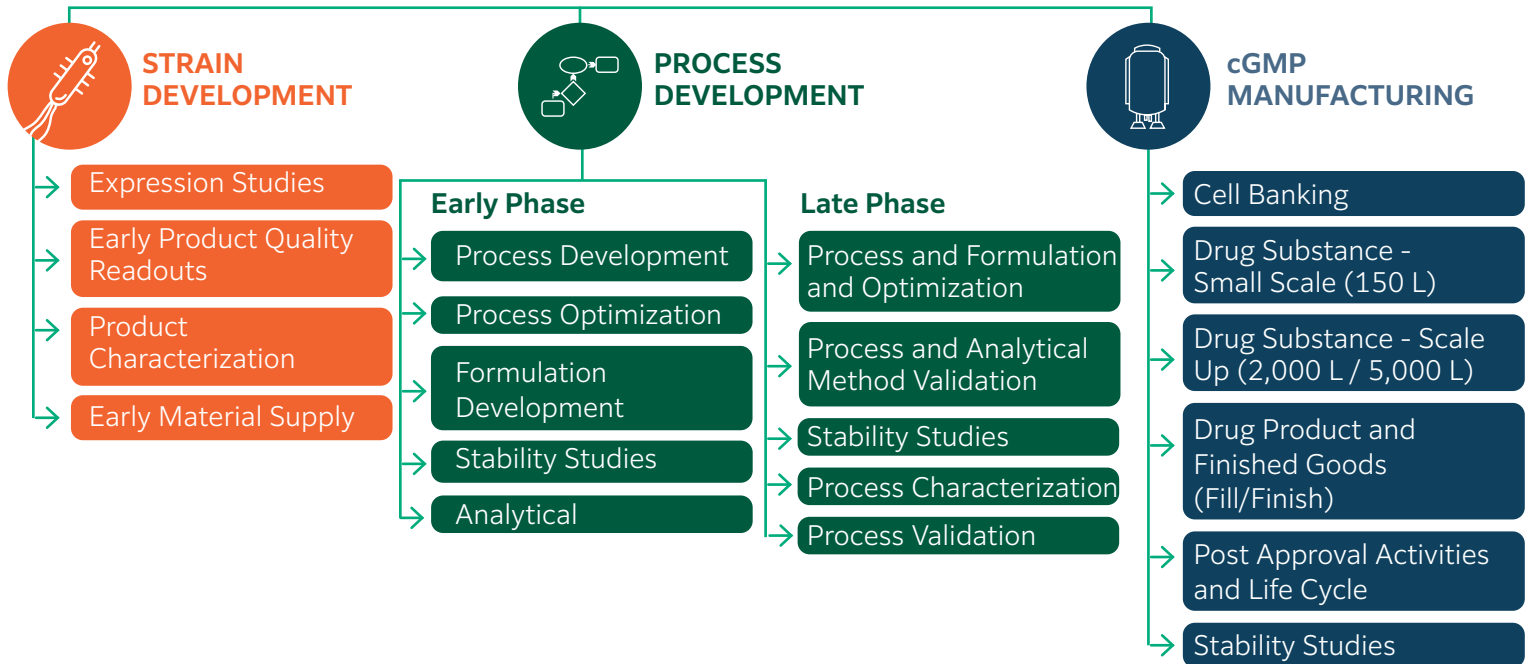


# MICROBIAL SERVICES

# Your **Microbial** CDMO Partner for Life

We are a world-leader in process development and cGMP manufacturing of proteins derived from a range of microbial hosts including *E. coli*, *P. pastoris* and *S. cerevisiae*.

## End-to-End Microbial Services



### Process and Analytical Development

We optimize and create scalable processes to express, purify, PEGylate and conjugate molecules efficiently with long term commercial production in sight. Process development teams are supported with comprehensive in-house analytical capabilities, biophysical techniques and bioinformatics.

Our analytical teams specialize in the development of assays to support scale-up, effective process monitoring and cGMP production.

### Committed to Innovation:

- Internal and partnered innovation is the core of our success
- Our global community of subject matter experts are members of specialist and industry groups, shaping the future of the industry.

### Complete Microbial cGMP Manufacturing Capabilities

Unsurpassed expertise and capabilities in the scale up of microbial processes for cGMP manufacture.

- cGMP Microbial Cell Banking
- Multiple 150 L, 2,000 L and 5,000 L fermenters
- Protein refolding capacity up to 10,000 L
- Capable of manufacturing potent molecules

Our support is maintained through inspection processes all the way to long-term production.

### Paveway™ PLUS

Paveway PLUS offers proven, modular workflows for early microbial process development. This expression system offers industry-leading titers and evaluation of product quality. Development of a lead strain can be achieved in as little as 11 weeks.

## Expertise in

Cytokines  
Enzymes  
Growth factors  
Hormones  
Antibodies  
Antibody fragments  
Fc fusion proteins  
Fusion proteins  
Vaccines  
Peptides  
Proteases  
Viral antigens

...and many more including manufacture of PEGylated and conjugated proteins

**200+**  
Microbial  
Processes

Average titers = **13.5 g/L**  
Headline titers = **>20g/L**

**2000+**  
Strains Created



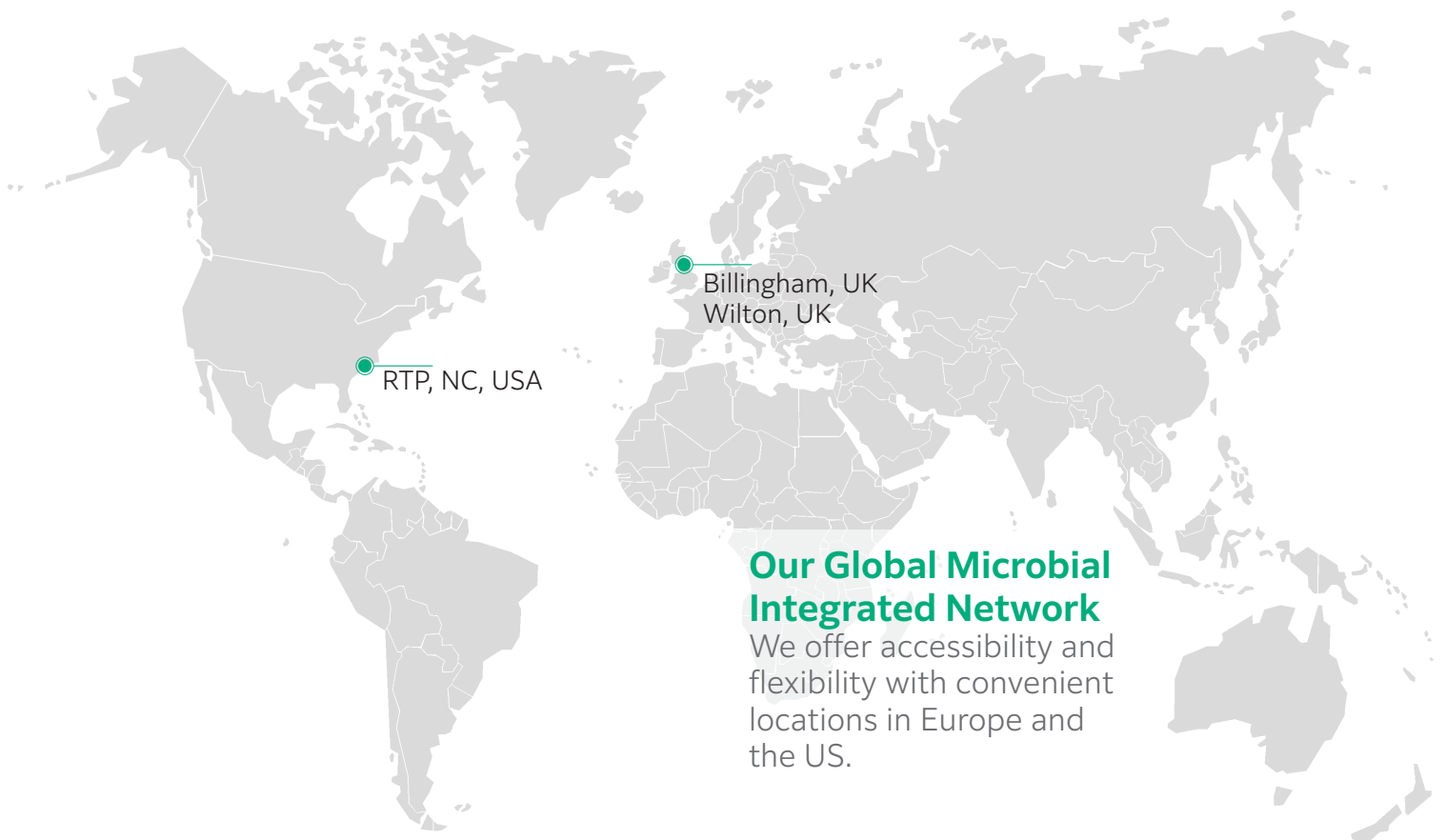
**paveway**<sup>™</sup>  
PLUS  
ADVANCED MICROBIAL EXPRESSION

**150+**  
Proteins Expressed  
in Paveway

**2000+**  
cGMP Batches

**20**  
Commercial Licenses

**6**  
Microbial Products



### Our Global Microbial Integrated Network

We offer accessibility and flexibility with convenient locations in Europe and the US.

Contact us to discuss your science.

**USA**

College Station, Texas  
3940 Fujifilm Way  
College Station, TX 77845  
+1 979 431 3500

**USA**

Holly Springs, North Carolina  
100 Biotechnology Avenue  
Holly Springs, NC 27540  
(Coming online 2025)

**USA**

Research Triangle Park,  
North Carolina  
101 J Morris Commons Lane  
Morrisville, NC 27560  
+1 919 337 4400

**USA**

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Partners for *Life*

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