NSF'S PHARMA BIOTECH TEAM MOVES TOWARD BLENDED LEARNING APPROACH WITH eLEARNING

by Catherine Kay

To support and complement the face-to-face training programs offered by NSF's pharma biotech team, we launched our eLearning program in April 2018.

Currently available modules include short sessions of no more than an hour that provide:

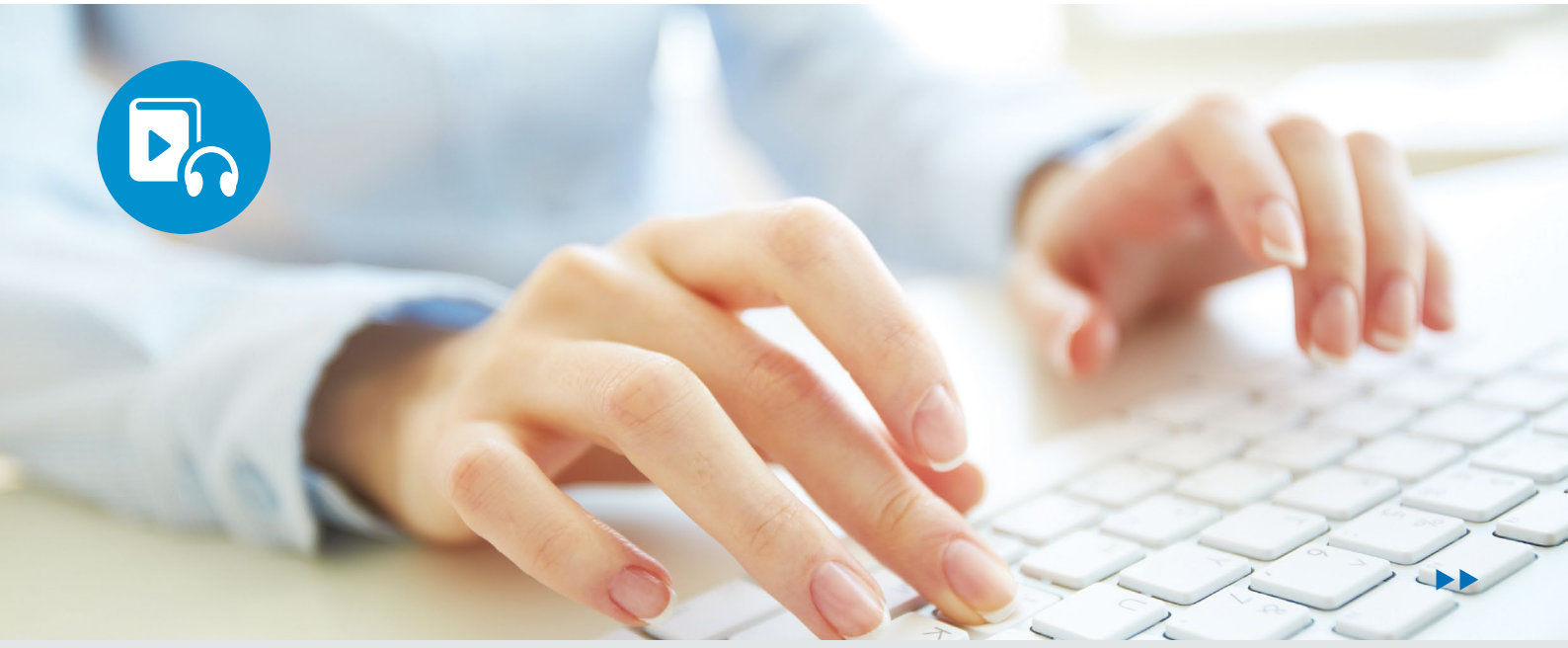
- An introduction or overview, such as GMP for Engineers and Microbiology: The Basics.
- More specific technical training, such as Self-Inspections, The Role of the Responsible Person and Good Inspection Management.
- Sessions targeting the quality professional for continuing professional development (CPD), such as EU Pharmaceutical Law as well as Human Error Prevention, which goes beneath the surface of issues and looks to fix the real causes of errors and mistakes.

Quite simply, eLearning is using technology to deliver training anytime, anyplace. Three great reasons to use eLearning:

- It provides the ability to communicate to and train a wide group of people efficiently and consistently in a short time.
- It offers the flexibility to learn at your own pace, any time of the day, using a computer, tablet or mobile device.
- It reduces time away from the workplace, cuts down on expensive travel and reduces the need for costly classroom-based training.

To develop these eLearning sessions, we used the knowledge of our subject matter experts and experienced designers to make the sessions engaging. The sessions include a downloadable document to print and take away key learning points, along with knowledge check quizzes and a course certificate to show completion.

New modules are in development every month – look out for Computer Systems Validation, Data Integrity, Cleaning Validation and many more!



We can also provide customized modules for your specific needs. We will be using eLearning to support several clients in the future to develop in-house training material that will be used alongside their other training methods.

Blended learning approaches use multiple methods to deliver learning, combining face-to-face interactions with online activities, whereby the online activity can be introduced before or after a face-to-face training session. This allows the time in traditional classrooms to focus on reaching the higher levels of learning such as analyzing and evaluating. It has been shown that blended learning results in a higher knowledge retention rate than traditional learning, as it appeals to a wider range of learning styles.

ABOUT THE AUTHOR

Catherine Kay has extensive pharmaceutical operations management, technical and QA experience spanning more than 22 years, gained working for a major international pharmaceutical organization, a start-up manufacturing organization and, most recently, a contract manufacturing organization in a corporate operations role. She joined NSF in November 2017.

Ms. Kay is eligible to act as a Qualified Person under the permanent provisions. She has experience in being responsible for the operational start-up of a new solid dose manufacturing and packaging facility, from design and set-up of systems, procedures and processes to the supply of medicinal products to the global market, meeting EU and FDA GMP regulations and requirements.

For more information, contact **pharmamail@nsf.org** or visit **www.nsfpharmabiotech.org**

Cite as: NSF International. September 2018. NSF's Pharma Biotech Team Moves Toward Blended Learning Approach with eLearning. NSF: York, UK.

NSF INTERNATIONAL | PHARMA BIOTECH

The Georgian House, 22/24 West End, Kirkbymoorside, York, UK YO62 6AF
T +44 (0) 1751 432 999 | **E** pharmamail@nsf.org

2001 Pennsylvania Avenue NW, Suite 950, Washington, DC 20006 USA
T +1 (202) 822 1850 | **E** USpharma@nsf.org

www.nsf.org | **www.nsfpharmabiotech.org**