

Pathway: MSAT Upstream Process Development Scientist

I'm new to working in ATMPs

free - £2.5k

Aston Uni videos free Insights into ATMPs
BSGCT webinar free CRISPR & gene editing Universal CAR-T cells
Cytiva 4hr online free Advanced CT Tech
EATRIS 7hr online free ATMP development
eLfh online free ATMPs, CAR-T, In vivo GT
NIBRT 1hr online free Intro to cell therapy manuf
CGT Catapult 1d f2f £750 Intro to biomanufacturing & advanced therapies
ISPE 3hr virtual £1k C> & ATMPs
NSF 1d virtual £700 ATMPs
NIBRT online/F2F £1.5-2.5k Adv cell therapy technology Gene therapy/Viral vectors
UCL MBI online ~£2k CGT Bioprocessing
UoKent 80 hrs online £500 ATs – R&D to market

I'm working with autologous therapies

Francis Crick Institute webinars free Flow Cytometry
Merck online 1hr free Ekko - accelerating cell therapy
Miltenyi online free Automated cell counting with flow cytometry Automated manuf of CAR NK cells Automated stem cell manuf, analysis & sorting Automated, closed manuf & sorting of PSCs & derivatives CliniMACS Prodigy adherent cell culture system Improve your CAR T cell research Intro to immunocology MACSQuant Tyto cell sorter Manuf of endogenous, non-engineered, antigen specific T cells against tumour targets Mesenchymal stem or stromal cell workflow for efficient clinical translation Simplifying GMP CAR T & CAR NK cell therapy manufacturing processes Specific cell handling modules & webinars

free - £3k

NIBRT 1-2h online free-€144 Application of XR in biopharma GxP 4.0: e-validation & tech transfer Intro to single-use technologies Application of single-use technologies
f2f 2-3d €2k-3k Intro to data analytics Advanced data analytics
Uni of Manchester online free Flow Cytometry
CTG Catapult f2f 2d £1.5k Aseptic techniques
NHC F2F 3d £2250 Flow Cytometry for ATs
Sartorius 45h online/blended £2-3k Advanced Therapy CAR-T: process, technology and manufacturing

I haven't worked with bioreactors much

free - £3.75k

ATSTN UCL videos free Bioreactor technologies
Cytiva online/F2F free Understanding USP Bioreactor scaling Purification DoE
NIBRT 1hr-2d online/F2F free-£1.5k Bioreactor Operations Intro to single use tech
NHC free 'How to' video series
Sartorius online free Biosealer Biotstat RM Biowelder Flexsafe STR 1000L bag Flexsafe Pro mixer Flexsafe & Flexel bags 40h blended £2.5k Process intensification USP Viral Vector USP
CeutiQus 3d f2f £2k Upstream processing of biologicals
NHC 3-5d F2F £2.5-3.75k Intro to USP Intro to process automation and control Complete intro to bioprocessing

I already have experience working with bioreactors

free - £4k

Merck online 1hr free Accelerate delivery of high producing cell lines Ekko - accelerating cell therapy manuf through robust process development Perfused seed line modelling Scale-up Robust cell therapy PD	Sartorius online free AMBR250 / modular Biotstat RM Filter cartridges & capsules blended £2-3k Process intensification VV USP
Miltenyi 1h online free Multicolor flow cytometry Prep. of cells & nuclei for genomic analysis Virtual demo: Automate adherent stem cell manufacturing in a closed system	JMP/SAS online free Statistical Thinking
NIBRT 1-2h online free-€144 Application of XR in biopharma GxP 4.0: e-validation & tech transfer Intro to single-use technologies Application of single-use technologies f2f 2-3d €2k-3k Intro to data analytics Advanced data analytics Principles of machine learning	NHC 5d F2F £4k Advanced USP Adv process control, data & PAT
	Prism 2d various £1k Effective DoE
	UCL MBI 3d online/F2F £2k Principles of Ferm processes Rapid Ferm process design Adv data analytics Smart digitalisation decision Quality by design Design of experiments