Pathway: MSAT Upstream Process Development Scientist

CATAPULT Cell and Gene Therapy

Have you worked in ATMPs previously?

No

- **NHC 5d f2f £3.75k**
  VV manuf
- **eLfH e-learning Free**
  ATMPs, CAR-T, In vivo GT
- **NSF 1 day virtual £700**
  ATMPs
- **NIBRT 1 hour online Free**
  Introduction to Cell Therapy manuf
- **UoAston videos Free**
  Insights into ATMPs
- **UoKent 80 hrs online £500**
  ATs – R&D to market
- **NIBRT Online/F2F £1.5-2.5k**
  Advanced cell therapy technology
  Gene Therapy/Viral vectors
- **UCL MBI online ~£2k**
  CGT Bioprocessing
- **Cytiva 4 hours Online Free**
  Advanced CT Tech
- **EATRIS 7 hours Online Free**
  ATMP Devt
- **UoB 1 day F2F/online £0.6-£0.9k**
  Intro to ATMPs
- **ISPE 3 hr virtual £1k**
  C&GT & ATMPs

Price range
Free - £3.75k

Yes

Will you be working in autologous therapies?

Yes

- **Miltenyi 1hr On-line/F2F free**
  Specific cell handling modules & webinars
- **Miltenyi IR**
  Operation of Miltenyi Prodigy
- **NHC F2F 3d £2250**
  Flow Cytometry for ATs
- **UoM e-learning - free**
  Flow Cytometry
- **Crick webinars free**
  Flow Cytometry

Price range
Free - £2.25k

No

Have you worked with bioreactors before?

No

- **NIBRT 1hr-2d online/F2F free - £1.5k**
  Bioreactor Operations
  Intro to single use tech
- **CeutiQus Online**
  Introduction to USP
- **ATSTN UCL** videos free
  Bioreactor technologies
- **Cytiva** Online/F2F free
  Understanding USP
  Bioreactor scaling
  Purification DoE
- **NHC free**
  'How to videos'
- **NHC 3-5 day F2F £2.5-3.75k**
  Intro to USP
  Intro to process automation and control
  Complete intro to bioprocessing
- **Sartorius 40h blended £2.5k**
  Viral Vector USP

Price range
Free - £3.75k

Yes

- **NHC 5 day** F2F £4k
  Advanced USP
  Adv process control, data & PAT
  Viral vector manufacturing
- **Merck online 1hr free**
  Perfused seed line modelling
  Scale-up
  Robust cell therapy PD
- **Sartorius 5-6d Online £2.5k**
  Process intensification
  VV USP
- **JMP/SAS** Online free
  Statistical Thinking
- **Prism** Online 2d virtual/F2F £1k
  Effective DoE
- **UCL MBI** 3 day online/F2F £2k
  Principles of Ferm processes
  Rapid Ferm process design
  Adv data analytics
  Smart digitalisation decision
  Quality by design
  Design of experiments

Price range
Free - £4k

Available

In-progress

Develop