

atomi  for skills

Advanced Therapy Manufacturing Industry Consortium

Remy Martin, eXmoor Pharma Concepts
14th March 2019, Oxford



www.atmpmanufacture.org



Addressing the ATMP Skills Gap

- There are a wide range of UK companies in the ATMP supply chain with about 50 having manufacturing expertise
- Growth forecast is a need for a further 500 UK ATMP ‘manufacturing oriented’ employees in the next 5 years from the estimated existing level of 500 (estimated Q4 2017).

Addressing the ATMP Skills Gap

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- Of these 500 it is anticipated:
 - 100 will be apprentices
 - > 100 PhD students and Postdocs
 - > 250 MSc/graduates

Addressing the ATMP Skills Gap

- The ATMP Task Force recommended an end to end talent management plan to ensure ATMP organisations could attract and retain the staff they need now and in the future. It covered:
 - Apprenticeships, Academic, CPD and Leadership and Management Education
 - Advanced Therapy Treatment Centres (ATTC)
 - ATOMIC addresses the Academic Education pathways, Undergraduate, MSc and PhD

What is ATOMIC?


A consortium of cell and gene therapy organisations that proactively support the development of bioprocessing undergraduates and postgraduates to meet their employment needs

 Autolus

 Allergan™

 OxfordBioMedica

 eXmoor

 CATAPULT
Cell and Gene Therapy

 PALL

 cpi

 cobra:bio

 MedImmune
A member of the AstraZeneca Group

 NHS
Blood and Transplant

What will ATOMIC do?

1. Continue to assess and address the skill gaps and capacity issues emerging from the sector
2. Work proactively in partnership with academia
3. Consolidate industry views to support investment in educational initiatives such as CDT and FLIP
4. Support the integration of other existing initiatives such as STARS and in particular the ATTC agenda as it emerges
5. Link with relevant apprenticeship standards at L6 (Degree), such as the process engineer, standard and L7 (MSc)

Measuring Success – ATOMIC Goals

- 100 new amc student members, over 3 years
 - 2/3 of these 100 members retained within the sector
- Organise 5 student - industry forum meetings
 - 1 in 2019
 - 2 each in 2020/2021
- Assist in the establishment of industrial placements in ATMP organisations
- Support Research Councils by providing evidence of the skills landscape

Engaging with academia

- Creating advisory groups, from ATOMIC industrial members.
- Provide input to partner Universities, who have, or are developing, ATMP manufacturing courses
 - Initially MSc
 - Undergraduate (course content, IPs)
 - Facilitating PhD & Post Doc opportunities, such as CASE studentships/CDTs/KTPs, in partnership with UKRI & KTN

What are the benefits to industry?

1. Improves industry readiness of those engaged in BSc, MSc and PhD studies
2. Provide direct access to the Early Career community
3. Profile member companies as leading employers
4. Facilitate access to placement/sandwich students
5. Build innovative capacity through a strong collaborative network
6. Reduce recruitment costs

Where are we now?

- ATOMIC has an initial 3 year plan, to run until 2021
- Built a critical mass of 11 Founding Industrial partners
- In discussions with an initial 4 Universities who have, or are developing relevant ATMP manufacturing courses
- Planning 2019 student-industry forum

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remy@atmpmanufacture.org

tony@bradshawtm.co.uk



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