

Advanced Therapies Apprenticeship Community

Driven by industry, Coordinated by CGT Catapult

Presenter: Dr Kate Barclay, Skills Consultant

Coordinated by

CATAPULT
Cell and Gene Therapy



Innovate
UK

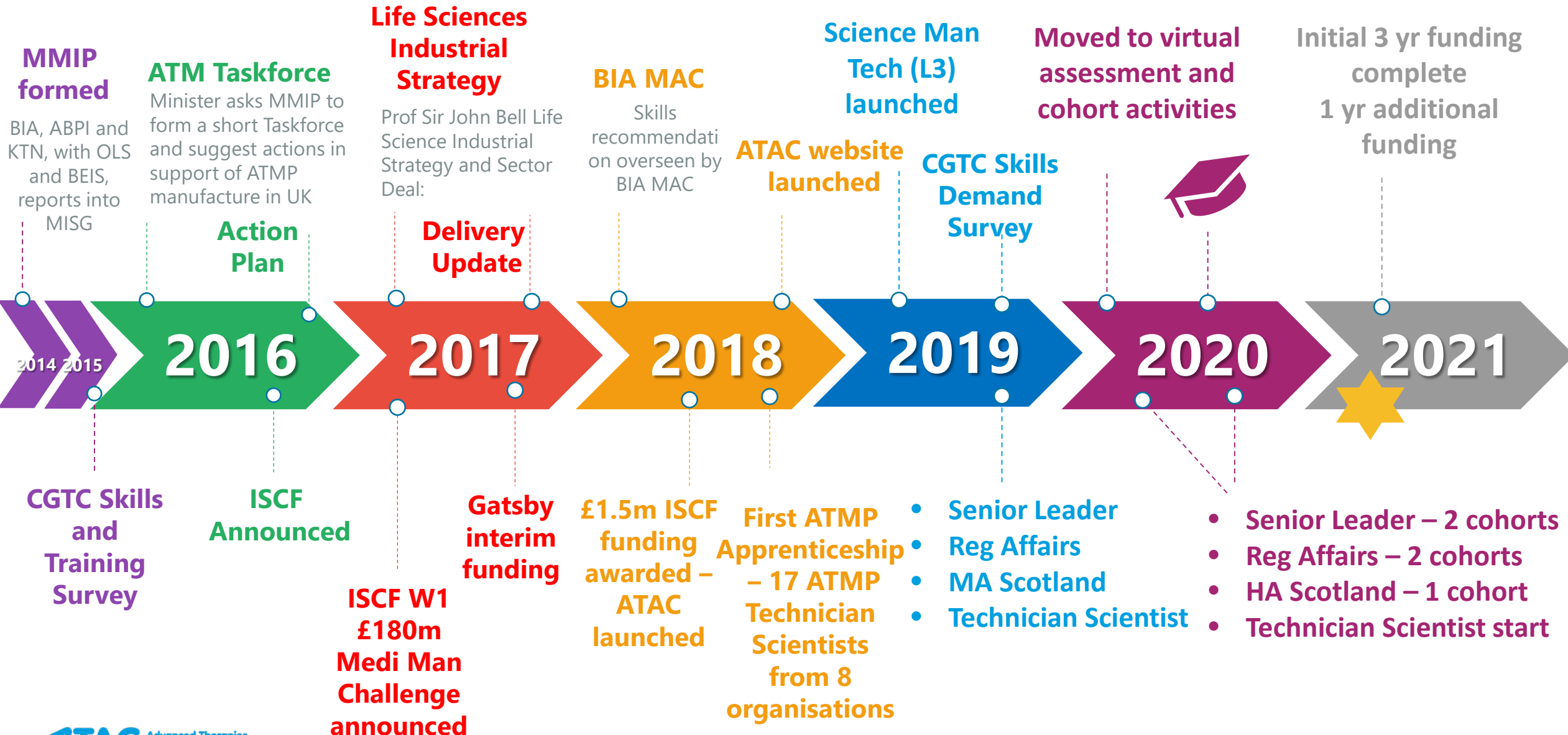
Industry led skills demand survey: key outcomes

<p>42 respondents to the survey</p>	<p>2019 and 2024 forecasted difference for UK ATMP & Vaccine employees</p> <p>+3,387 (112% increase)</p>	<p>85% of companies will be recruiting at a similar time</p>	<ol style="list-style-type: none">1. Companies need support to deliver on their growth strategies, through the provision of supportive schemes, to both upskill and recruit new talent2. Apprenticeships (ATAC) made a positive impact, but is only expected to have a limited demand of ~10%3. Graduate/post-graduate requirement ~30%4. Biggest challenge, and opportunity, is to provide platforms to allow skills from other industries to flow into the sector to fulfil the biggest requirement (~60%)5. A core skills-based approach will enhance the sector with new skills and be rapidly deployable through targeted cross-sector training, and sector upskilling6. There is urgent need to act to ensure recruitment & retention of essential talent does not hinder industrial growth and investment.7. A coherent skills offering will stimulate more inward investment, in what is a very competitive global environment.
<p>>95% of industry capacity (people employed) surveyed</p>	<p>2019 and 2024 forecasted difference for technical bioprocessing roles*</p> <p>+2,175 (126% increase)</p>	<p>83% of employers raised concerns around recruitment and retention</p>	
<p>98% of companies are increasing their headcount within the next 5 years</p>			
<p>There is a potential loss of > £352m in GVA if we do not act</p>			

The lack of skills will act as a brake to growth, with significant negative consequences on both organic and inward investment

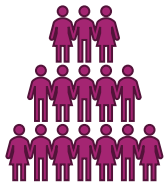
*Includes manufacturing, supply chain and logistics, process development and total quality

Advanced Therapies Apprenticeship Community – The story so far.....



Advanced Therapies Apprenticeship Community

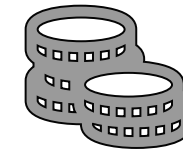
Established in 2018 in response to Advanced Therapies Taskforce evidence on increasing demand for urgent and specialist skills across manufacturing of emerging technologies



137 apprentices
across cell & gene
companies in UK



36 companies
engaged on program,
over half are **SMEs**



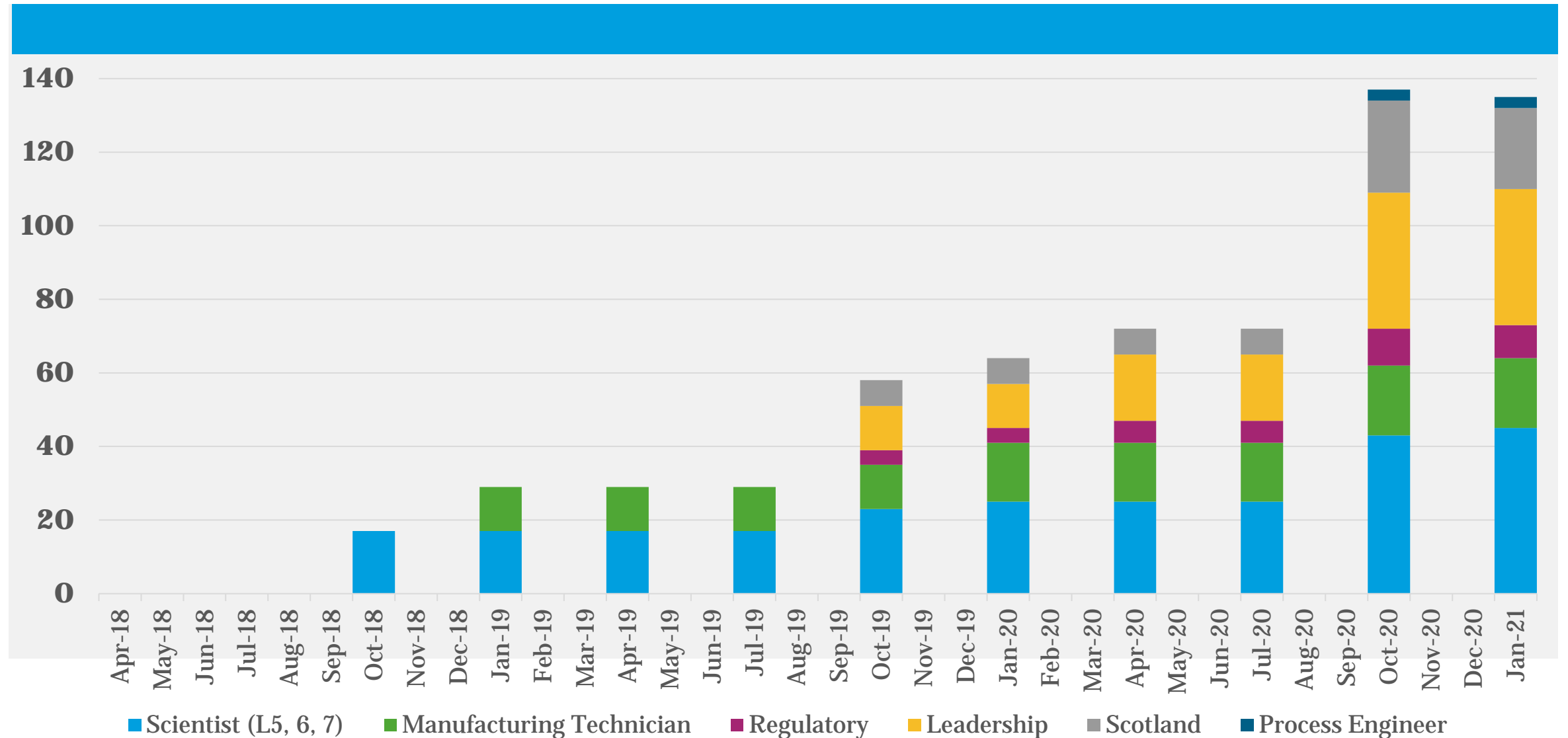
£2.55m of
unspent levy now
invested in ATMP

6 national standards
@level 3-7 with specialist
ATMP industry content

>35 cohort activities
delivered F2F & on-line
across the industry

4 regional industry
networks to share best
practice across UK

ATAC Apprentice intakes per apprenticeship standard





Science Apprenticeship Standards:

- Laboratory Technician (Level 3)
- ATMP Technician Scientist (Level 5)
- Laboratory Scientist (Level 6)
- Research Scientist (Level 7)





Engineering Apprenticeship Standards:

- Maintenance Technician (Level 3)
- Science Manufacturing Technician (Level 3)
- Process Engineer (Level 6)
- Post-graduate Engineer (Level 7)

Digital Apprenticeship Standards:

- Data Analyst (Level 4)
- Digital & Technology Solutions (Level 6)
- Bioinformatics (Level 7)

The background features a large, semi-transparent yellow circle on the left side. Inside and around this circle are various blue and white icons, including gears, arrows, and a structure with the word 'Leadership' written on it. At the bottom of the image, there are silhouettes of a group of people in various poses, some appearing to be in conversation or working together. The overall theme is professional and focused on leadership and teamwork.

Leadership

Leadership Apprenticeship Standards:

- Team Leader (Level 3)
- Chartered Manager (Level 6)
- Senior Leader (Level 7)

Quality Apprenticeship Standards:

- Quality Practitioner (Level 4)
- Clinical Trials Specialist (Level 6)
- Regulatory Affairs (Level 7)

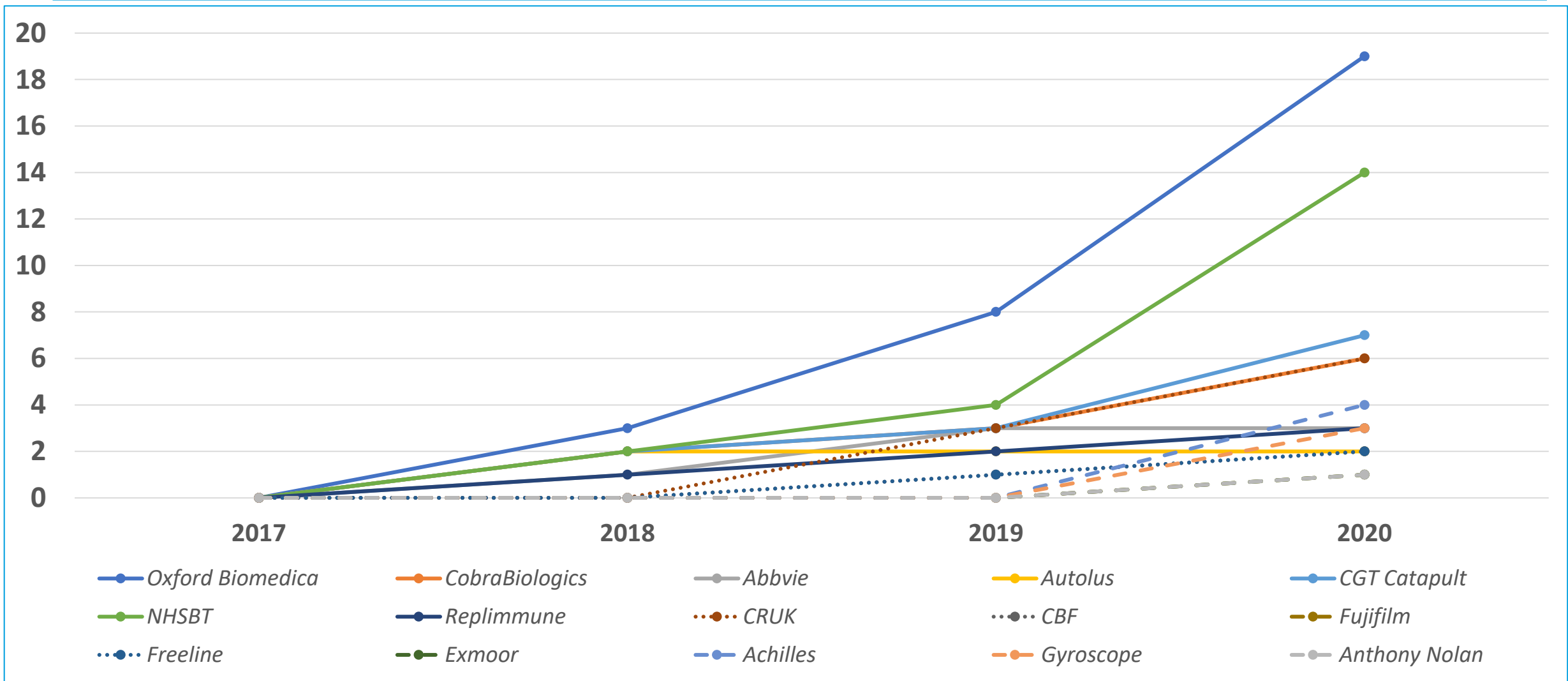


Apprenticeship Standards across UK:

- Modern Apprenticeship- Life Sciences (Scotland)
- Life Sciences Apprenticeships (Wales)



Growth of ATAC Apprentice per company (2018-2020)



Could you use apprenticeships in your talent plans ?

- ATAC can help you bring new and diverse talent to your organisation as it grows
- ATAC can help you find the right apprenticeship standards to develop your existing talent
- ATAC works with apprenticeship providers to develop specific curriculum and approaches
- ATAC works with apprentices to develop their professional behaviours and scientific knowledge
- ATAC works with employers to understand the apprenticeship system including funding
- ATAC are here to answer all your questions on apprenticeships, or find a person who can !



What is next for ATAC?


ATAC
Advanced Therapies
Apprenticeship Community



Live and Upcoming
View all upcoming events



Highlight of the Week
Get daily updates at your fingertips




Study Support Resources
Access resources and courses to complement your apprenticeship

ATAC
Advanced Therapies
Apprenticeship Community



Stay in Touch
Join ATAC in conversation



Become an Ambassador
Promoting the benefits of the ATAC programme to others



Support and Feedback
If you have any queries or technical issues, please contact us

- Advanced Therapies Apprenticeship Community App
- Explainer animations for apprentices & employers
- Advanced Therapies Skills & Training Network
 - On-Line Training Platform
- Virtual Reality Training for GMP



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ATAC Apprentice Panel



Kit Erlebach
Fujifilm



Emilia Reyes Pabon
Oxford University



Ksenia Sitari
Oxford Biomedica



Charlie Anderson
Cobra