

1st EMEA Workshop on Advanced Therapy Medicinal Products

EMEA Innovation Task Force EXPERIENCE

Marisa Papaluca, MD
EMEA
Pre-Authorisation Unit





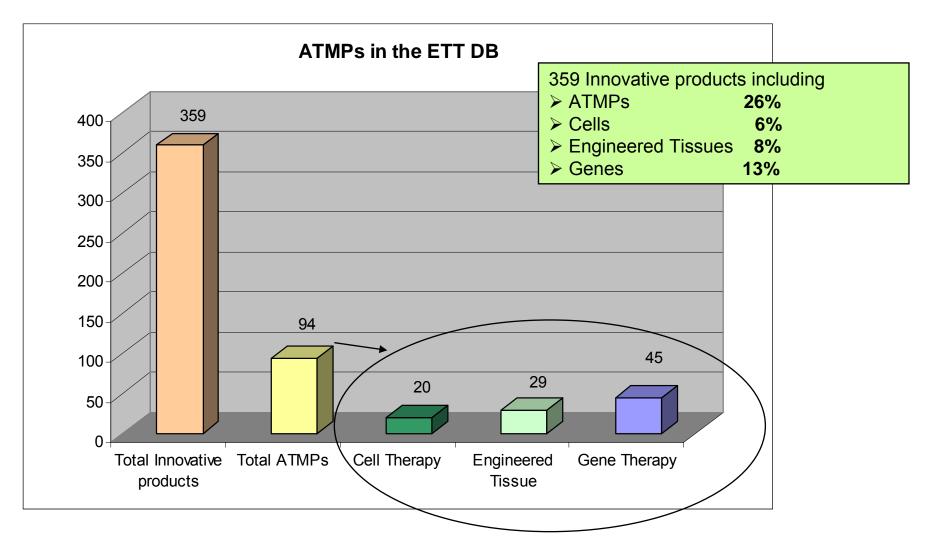


- "Soft landing zone" to establish early dialogue (Briefing Meetings) with sponsors of Emerging Therapies and Technologies (including advanced therapies).
- Involvement of Committees and Working parties to stimulate awareness and learning in emerging therapies and technologies (thus including cells and nucleic acids based products).
- Provide Regulatory advice on eligibility for access to EMEA preauthorisation procedures as medicinal products, in conjunction with CHMP.
- Provide EMEA with a long term tracking of innovative products reaching the EMEA: Emerging Therapies and Technologies (ETT) DB.
- NEW! Contribute to CAT EMEA scientific recommendation on the classification of Advanced Therapy Medicinal Products.





Emerging Therapies and Technologies (2001-2008): Experience at EMEA: focus on ATMPs(1/2)





ITF Briefing Meetings



- ➤ To establish early dialogue with stakeholders (briefing meetings) in order to identify scientific, legal and regulatory issues of Emerging Therapies and Technologies (including advanced therapies), in conjunction as appropriate with relevant EMEA Committees and Working Parties.
- ▶ also to **complement** and **reinforce** existing formal regulatory procedures (e.g. designation of orphan medicinal products, CHMP scientific advice etc).

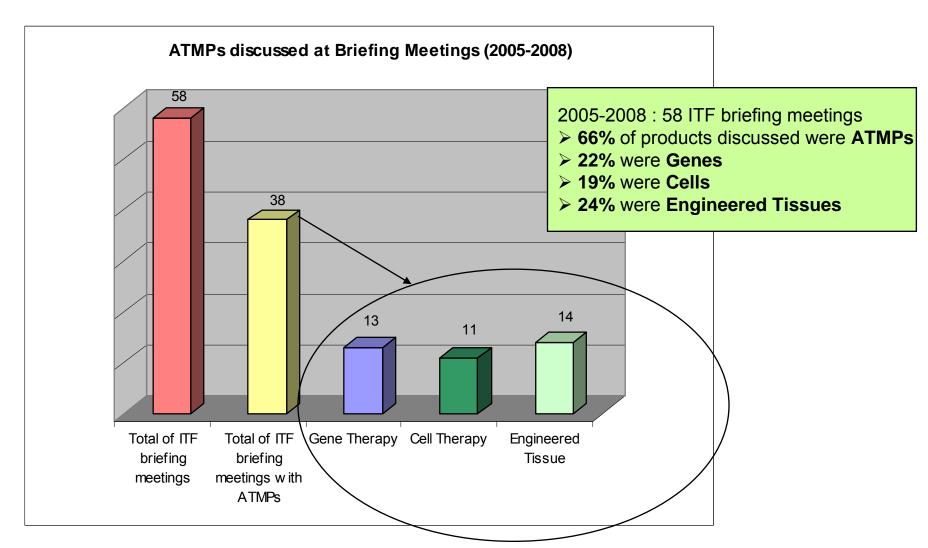
Issues discussed:

- Profile of the product/technology
- Key scientific and regulatory areas:
 - •Development strategy/program: quality, safety, efficacy, manufacturing, ERA, Risk Management Plan (as applicable): questions on issues that need addressing
 - •Guidance towards relevant related guidelines, services (e.g. SMEs office) or scientific procedures (e.g. Scientific Advice, Orphan drug designation) to support the strategy of the company
 - ·Identified areas for further reflection on the regulatory issues discussed



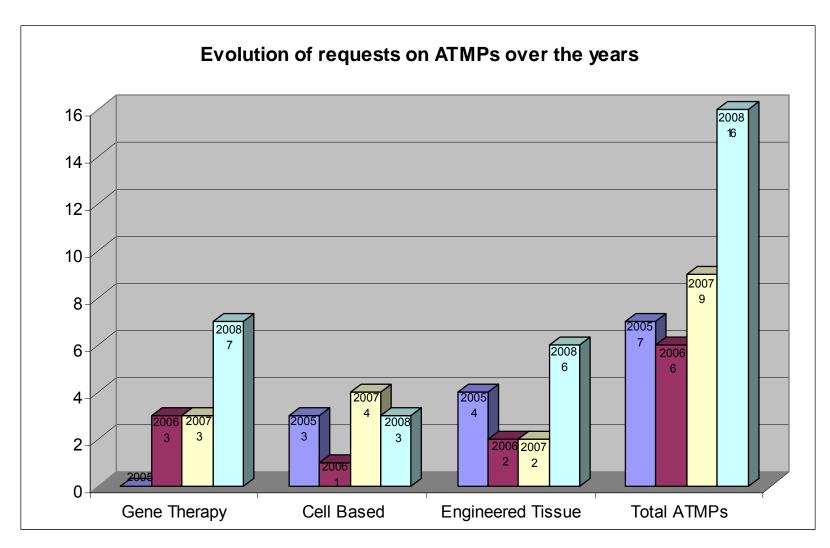


Briefing Meetings Focus on: ATMPs



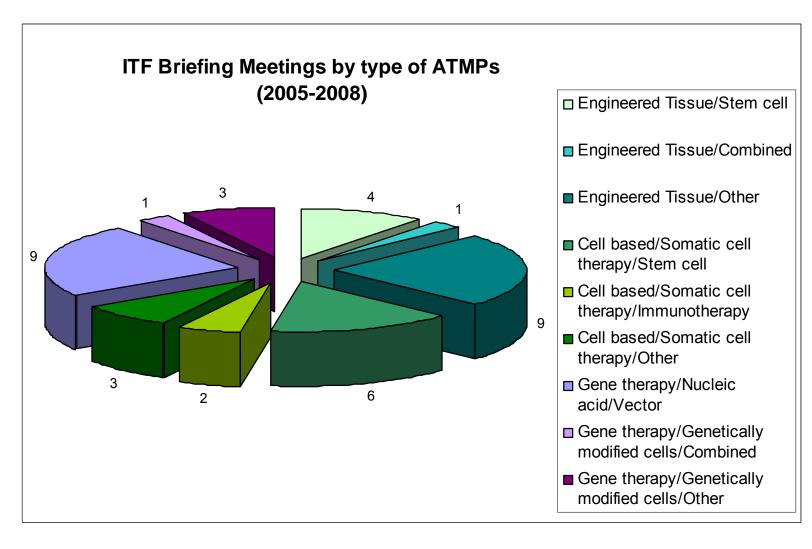


Briefing Meetings Focus on: ATMPs



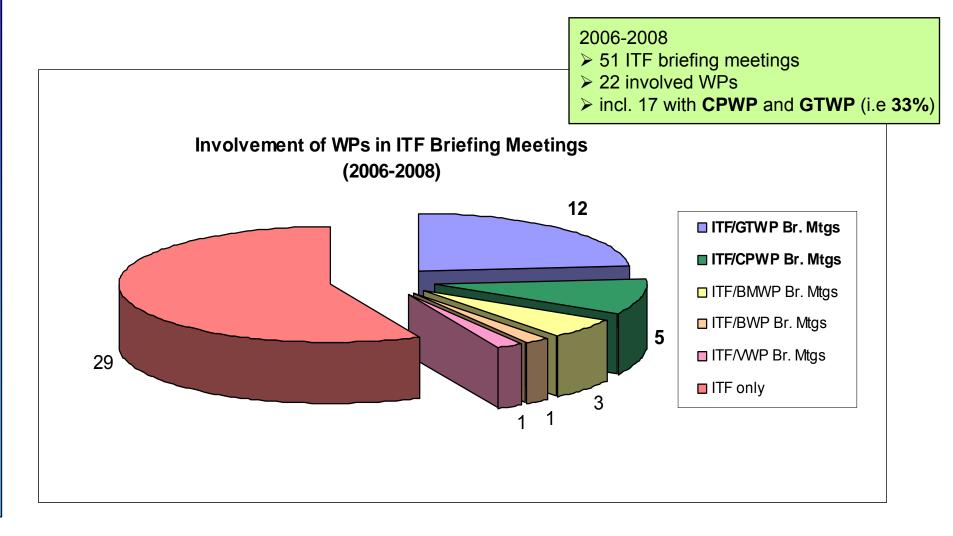


Briefing Meetings Focus on type of ATMPs



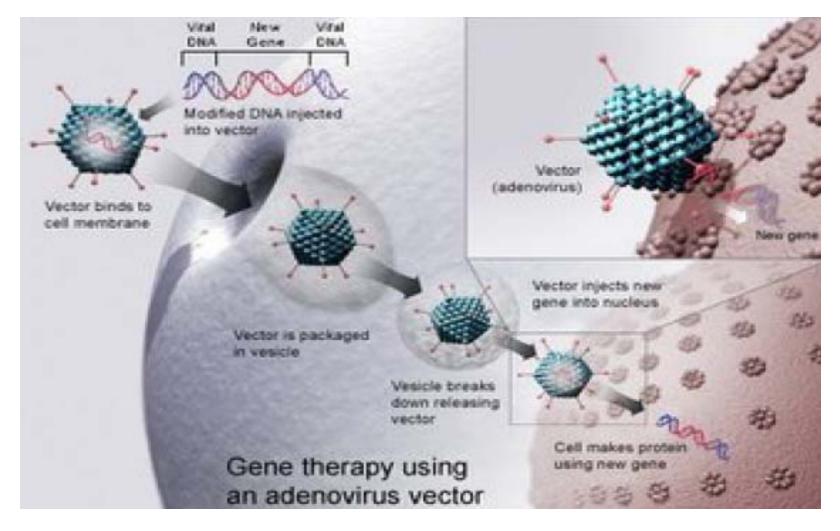


Sharing experience with Working Parties



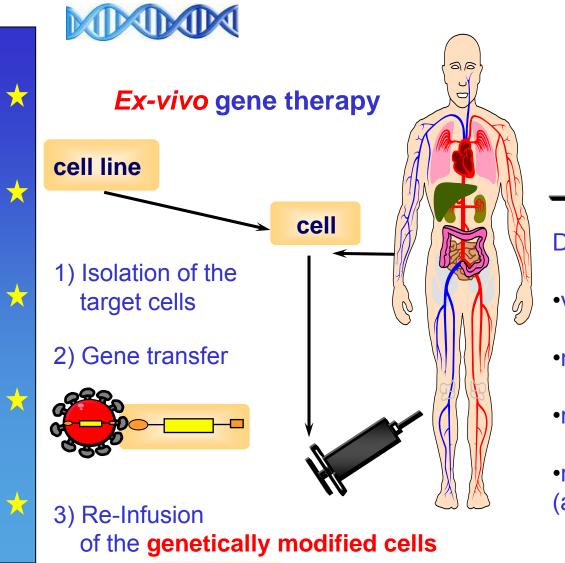


Eligibility as a Medicinal Product Focus on: Gene therapy





Gene Therapy Eligibility





In-vivo gene therapy



Direct application:

- viral vector
- non-viral vector
- naked DNA





•replicating rec. micro-organism (adenovirus, salmonella)



Source: Prof. K. Cichuteck - modified

Workshop on ATMPs



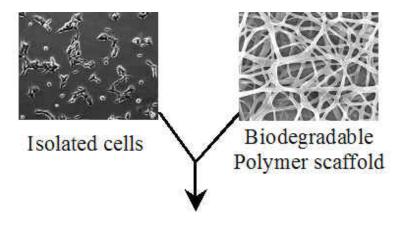
XXX Product Profile



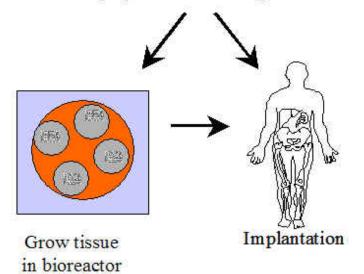
- designed to selectively replicate in and destroy cancer cells while leaving normal cells/tissues unharmed
- Viral gene deletions:
 - to restrict viral replication to dividing cells and reduce its toxicity / dissemination
- Armed with a gene able to activate cytotoxic pro-drugs
- Destruction of cancer cells by viral oncolysis combined with enhanced molecular chemotherapy



Tissue engineered products



Cells seeded onto scaffold. As cells produce extracellular matrix and proliferate, synthetic polymer scaffold degrades





Eligibility to the EMEA procedures as a Medicinal Product













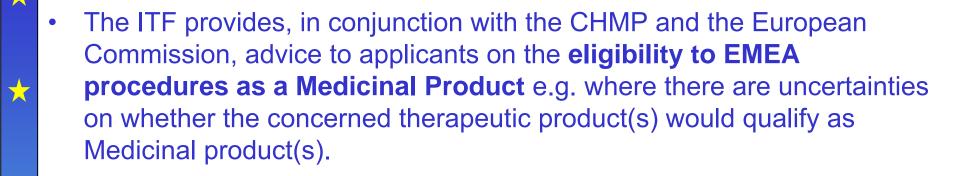




- Viral vector or viral vaccine?
- Medicinal product or medical device?
- Medicinal product or Transplant?
- Manufacturing process or clinical cells processing?



Eligibility to the EMEA procedures as a Medicinal Product

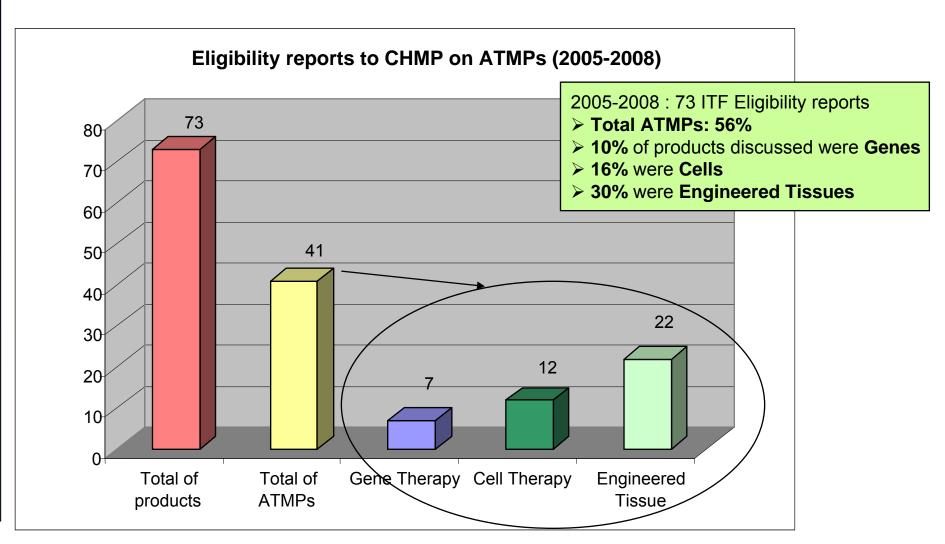


 Understanding of the applicability of pharmaceutical framework for medicinal products, not officially about "category" of ATMP.





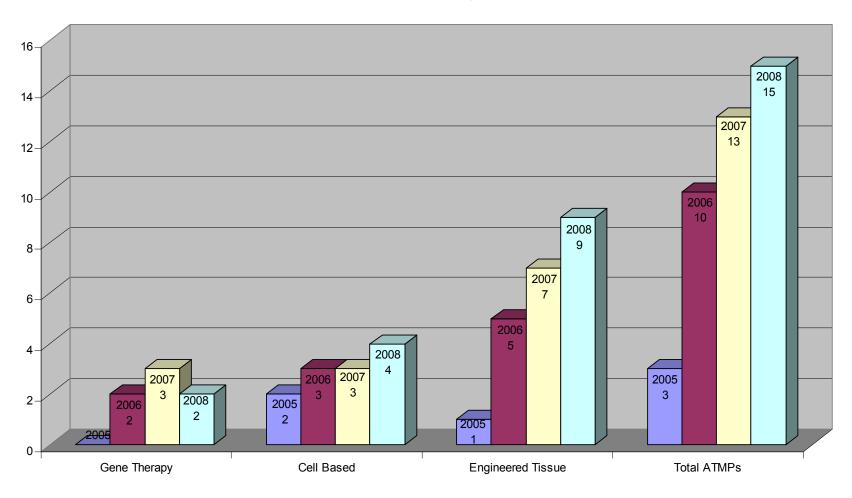
Eligibility as Medicinal Product Experience: focus on ATMPs





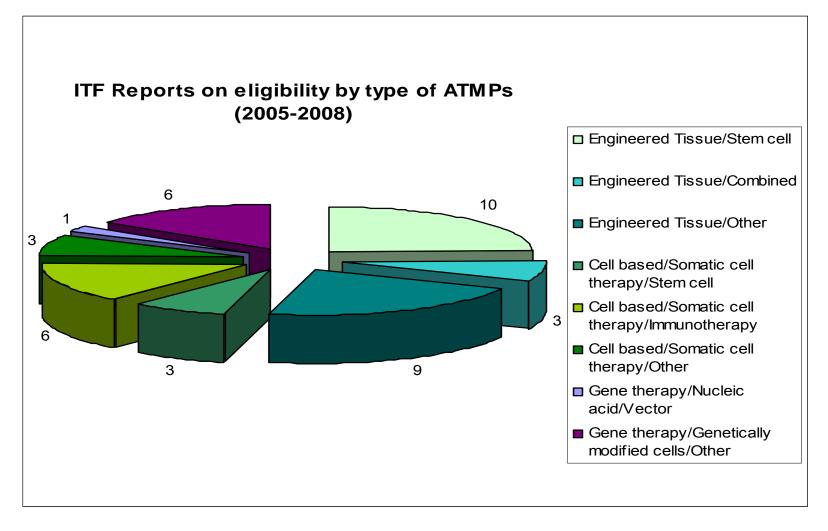
Eligibility as Medicinal Product ATMPs "emerging" over recent years

Evolution of requests over the years (2005-2008)



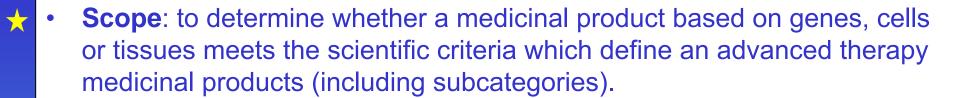


Eligibility as Medicinal Product Experience: focus by types of ATMPs





CAT Scientific Recommendation on Classification of ATMPs (ATMP Regulation) as of 2009



Similarities with eligibility advice

- Voluntary
- Science based but with significant regulatory implications
- Scientific Committee (CHMP for eligibility CAT for classification) systematically involved
- ITF as technical support

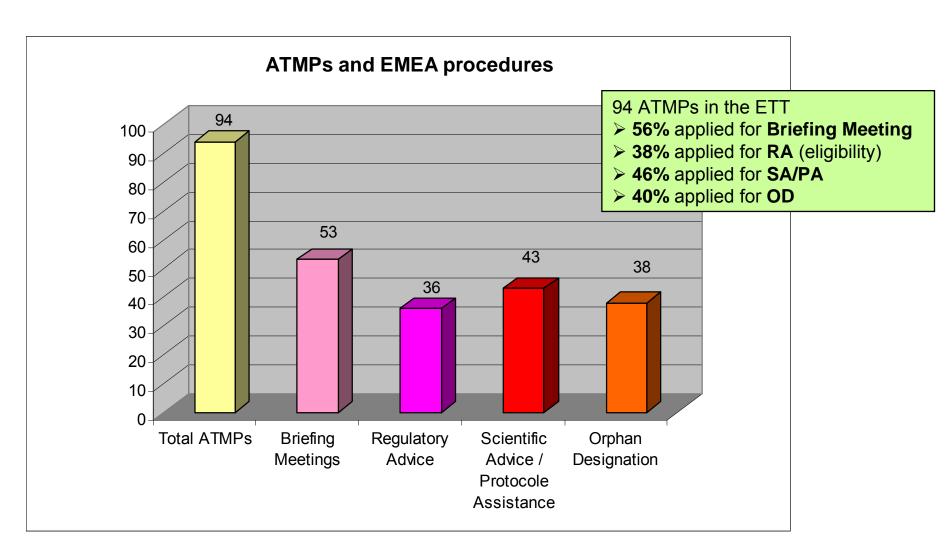
Differences

- Classification defined in the legislation as other new procedures (i.e. certification for SMEs and re-registration) specific for ATMPs and financial incentives
- EC systematically consulted
- Public disclosure (description of product, therapeutic area, classification)





Emerging Therapies and Technologies (2001-2008): Experience at EMEA: focus on ATMPs(2/2)





Conclusions and way forwards



 More than 90 ATMPs already seen at EMEA at all stages of development including MAA (6 CPs): Experience is there.



2. CAT as the highly specialized scientific resource in the EU system + tailored requirements and new procedures



3. Increased opportunities and competences for expert dialogues:



- Preparation to eligibility or classification
- Preparation to future regulatory procedures
- Expertise from CAT and/or WPs



4. Benefits for both the EMEA and Stakeholders to learn early on challenges of ATMPs faced by sponsors.













Acknowledgements

For their contribution to the ITF work on ATMPs and for this presentation

Mayeul Boucaumont Florence Borrelly-Konyakhin

ITFsecretariat@emea.europa.eu

Thanks for your attention!