

FT. WORTH, TX · NOVEMBER 28–30, 2023 CO-SPONSORED BY THE FDA

Next-Generation Combination Products

Emerging Innovations



Inspiring Collaboration. Leading Innovation. Making a difference.



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Moderator

Susan Neadle, Principal Consultant and President, Combination Products Consulting, LLC

Speakers

Dan Groszmann

Director of Engineering, Amgen

Geoff Hamilton

Chief Executive Officer, Stemson Therapeutics

Steven Oh

Deputy Office Director, Office of Cellular Therapy and Human Tissue, Center for Biologics Evaluation and Research (CBER), FDA

James Wabby

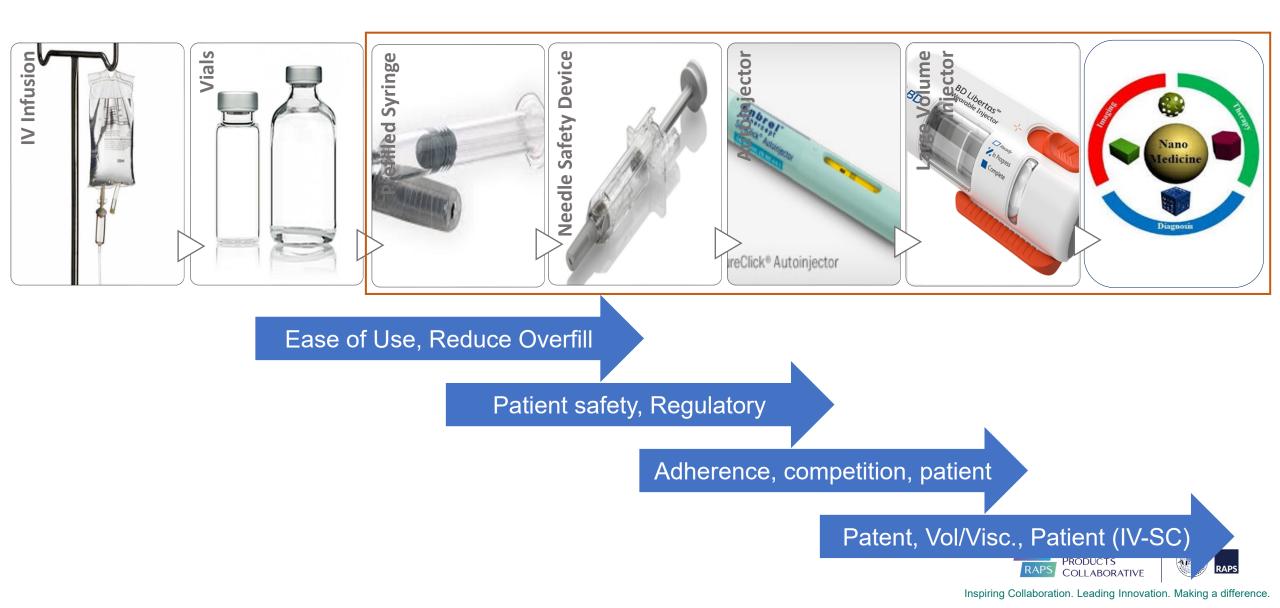
Global Head, Regulatory Affairs (CoE) – Emerging Technologies, Devices, and Combination Products & Volwiler Senior Research Industry Fellow – Regulatory Science, Abbvie







Evolution of Drug Delivery





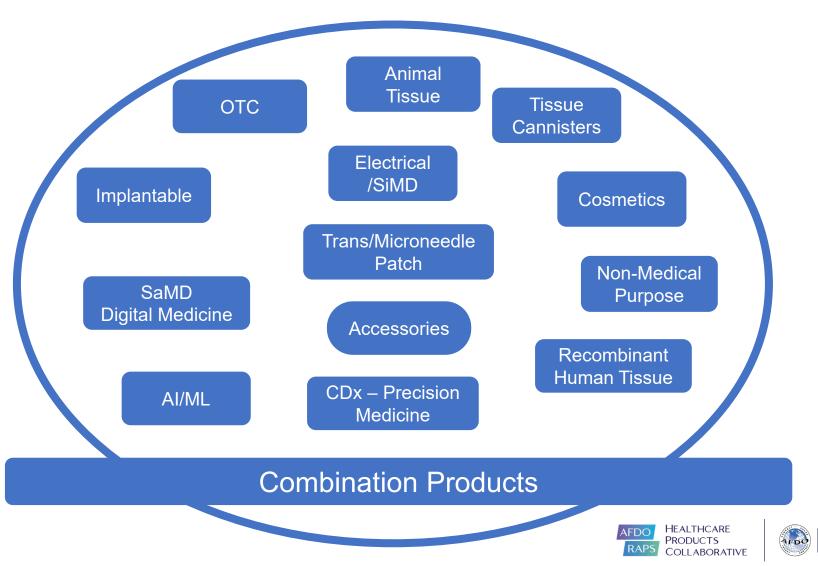
Nanotherapeutics: Future Industry Portfolio

Disruptive Medicine Innovation:

Combining precision diagnostics and precision therapeutic/aesthetic products for unmet medical needs and next generational needs product lifecycle management.

Future Product Strategy:

Being able to construct, fabricate, regulate, and apply therapeutic and/or aesthetic biopharma and devices with a size in the nanorange (at least one dimension) to <u>support user focused products</u>.

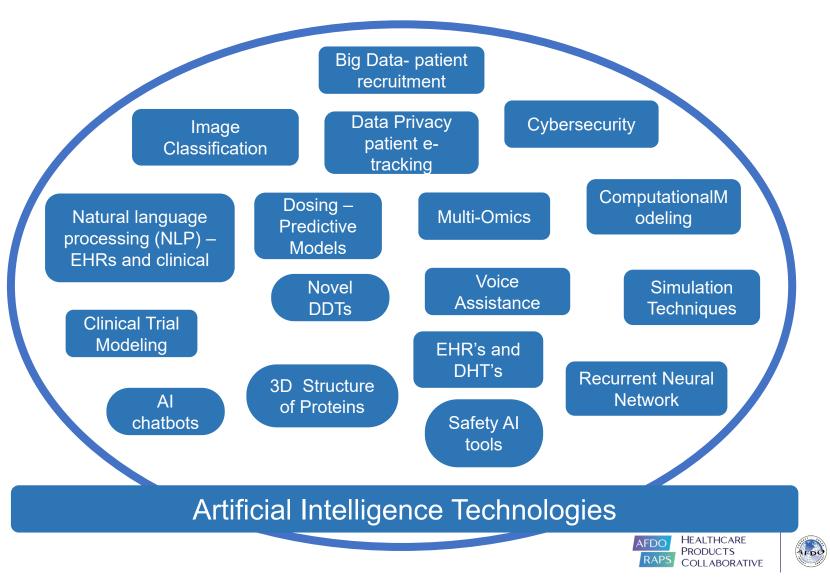


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New Tools and Concepts Utilization: Combination Product Development Clinical Trials



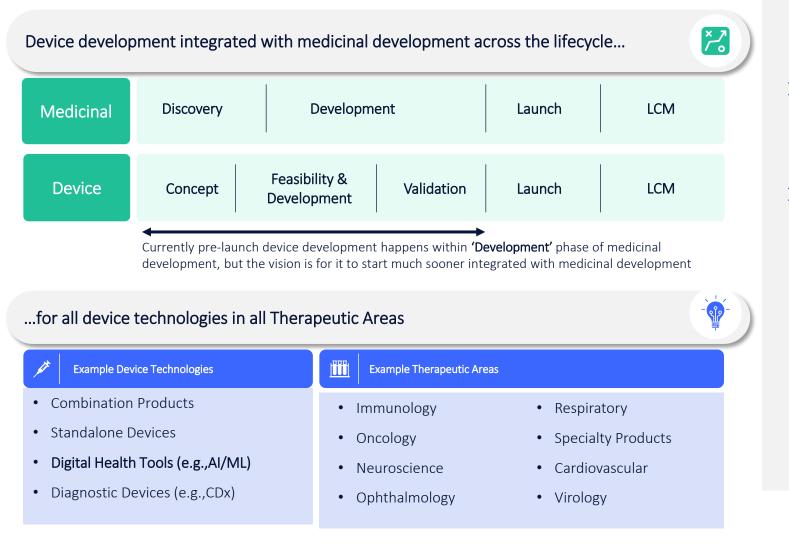


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RAPS



Complex Product Development Overview



Regulatory Vision

- Combination products: Address high priority issues with combination products while evaluating future state strategies with an "enterprise mindset"
- Major markets: Evaluate strategies with a primary focus on core markets and other markets -<u>document the strategy upfront.</u>











The regulatory submission and approval process for emerging innovative products will continue to evolve.

Emerging Innovative Products will continue to evolve and grow:

- Digital Medicine: mobile health (mHealth), health information technology (IT), wearable devices, telehealth and telemedicine, and personalized medicine
- Molecular Diagnostics: diagnostics based on linking symptoms of a disease to specific DNA/RNA, or other biomarkers
- ATMPs: Advanced Therapy Medicinal Products are cellular therapy products that include cellular immunotherapies and other types of autologous and allogenic cells for therapeutic indications. Human gene therapy refers to products that introduce genetic material into a person's DNA to replace faulty or missing genetic material

COLLABORATIVE

Panel Discussion

 Industry, FDA, and Participants







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