

IT innovation in Life Science

PRESENTED BY



Flavio Aliberti

CSA Leadership Team – Swiss Chapter

Innovation in Life Science

"Discover new ways to improve and extend people's lives" (Novartis)

" **Innovate to** bring therapies to patients that significantly improve their lives." (Pfizer).

"Bringing science and sense of sight to life through world-class **innovation** and customer experience" (GSK)

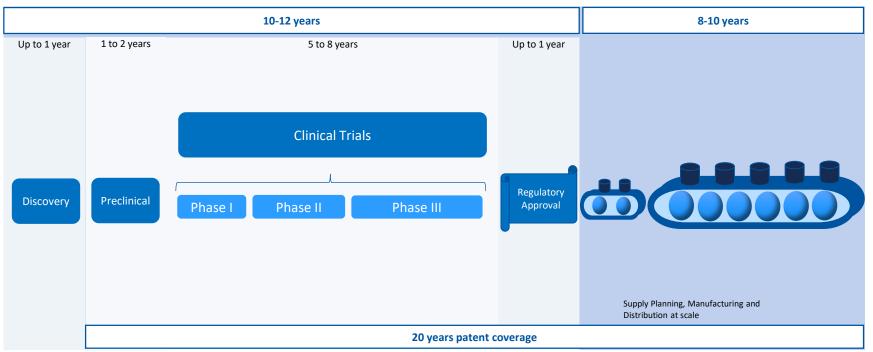
Innovation is at core of Life Science.





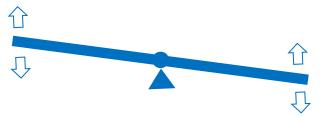
A Delicate Balance of Innovation and Access

Traditional Development pipeline



Innovation

- •2.6 billion USD to bring one single drug to the market
- •**Ten** to **twelve years** for a new drug to get to patients.



Access

•Drug patents are good for 20 years after the drug's **invention**.

•On average the copyright protects **only 10 years** after the drug hits the market



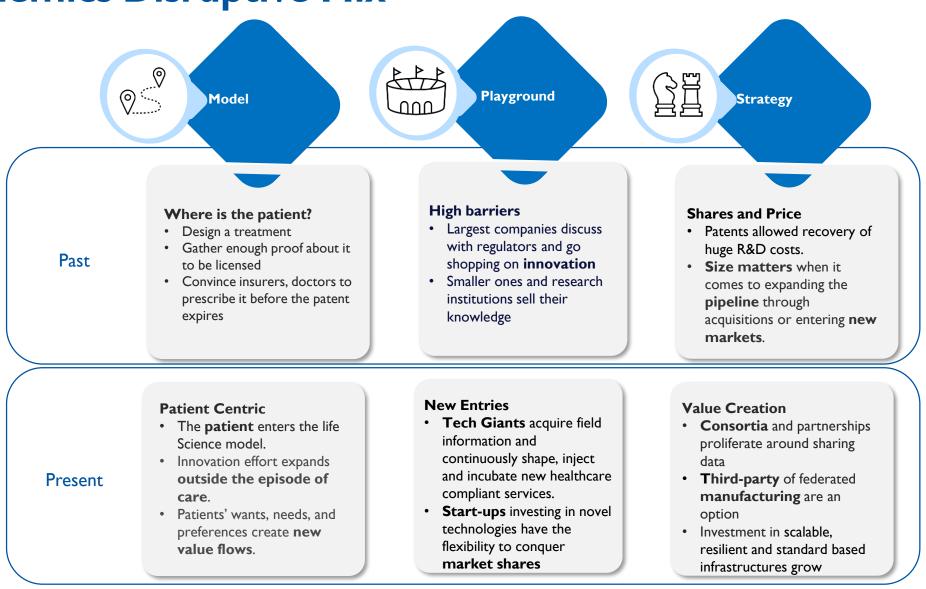
Digital and Pandemics Disruptive Mix

Digital has changed the industry. The pace of change increased with the pandemics.

Cost pressure lowers barriers and old and new players need new strategies.

What has changed?

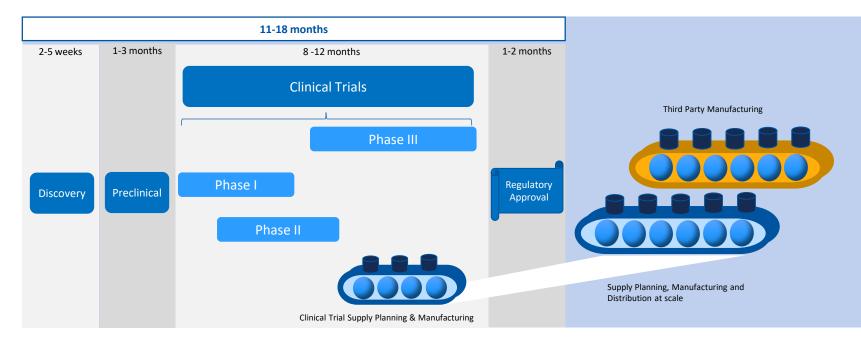
- Collaboration is a must
- Hyperscalers make a bet
- Regulators as enablers
- Patents + Royalties
- Preventive Care + Telehealth





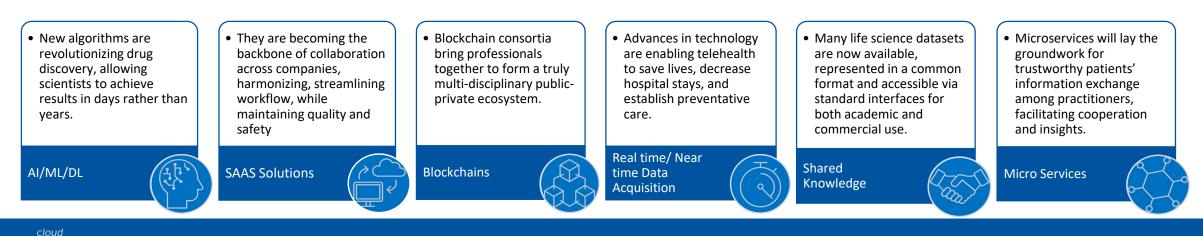
The Digital Development Pipeline

liance®



Key Innovation trends

- Lean Clinical Trials
- Collaborative Planning
- Modular Manufacturing
- Medical Health Record
- Devices and Wearables



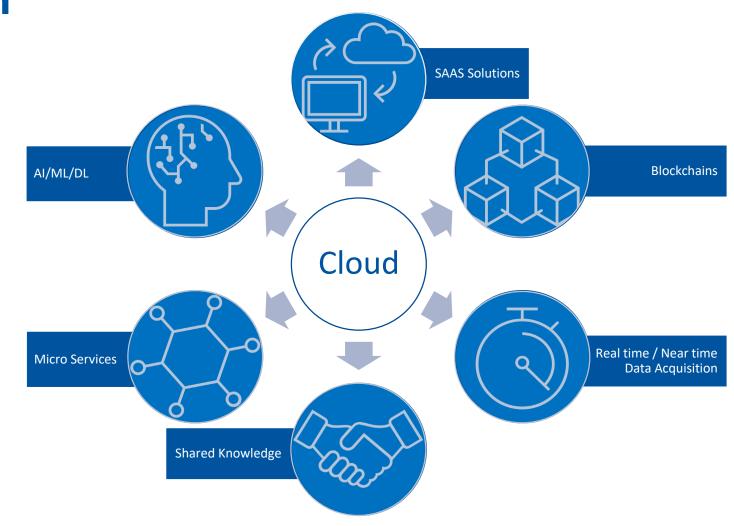
Takeaways: Innovation in Life Science

•Life Science industry **fundamentals are shifting**, and their **future** may look **different than** it does **today**.

•Top-tier pharmaceutical companies have expedited **collaborations and acquisitions**, although they could not avoid new **brave entrants** rattling the industry ranking.

•Lean Clinical Trials, Collaborative Planning, Modular Manufacturing, Medical Health Record (MHR), Devices and Wearables are key trends that will leverage digital technologies and shared data.

•At the center of this ambitious renovation of the entire industry there is the Cloud





Contacts

For any questions feel free to contact me.





Flavio Aliberti - Cloud Security Alliance - Swiss Chapter

www.linkedin.com/in/flavio-aliberti

