

FUTUREHEALTH LAUSANNE 2023

SUMMARY | 3 OCTOBER 2023

RAPHAEL CONZ, NASRI G. NAHAS

NURTURING IN HEALTH-CARE ECOSYSTEM AND ACCELERATING
INNOVATION IN THE CANTON OF VAUD

Raphael Conz: «We need events like this to connect.»

Raphael Conz, Managing Director and Officer for Economic Affairs and Innovation of the Canton of Vaud and Nasri G. Nahas, Chief Executive Officer at Biopôle SA explained in conversation with moderator Tanja König why it is important to have a conference like FutureHealth Lausanne. Nasri G. Nahas said that such events help to bring people together and to network. Raphael Conz agreed with Nasri G. Nahas and said that FutureHealth Lausanne was a good start to connect and collaborate with technology.



MADIHA DEROUAZI

GET THE VIAL READY FROM ONCOLOGY TO INFECTIOUS DISEASE

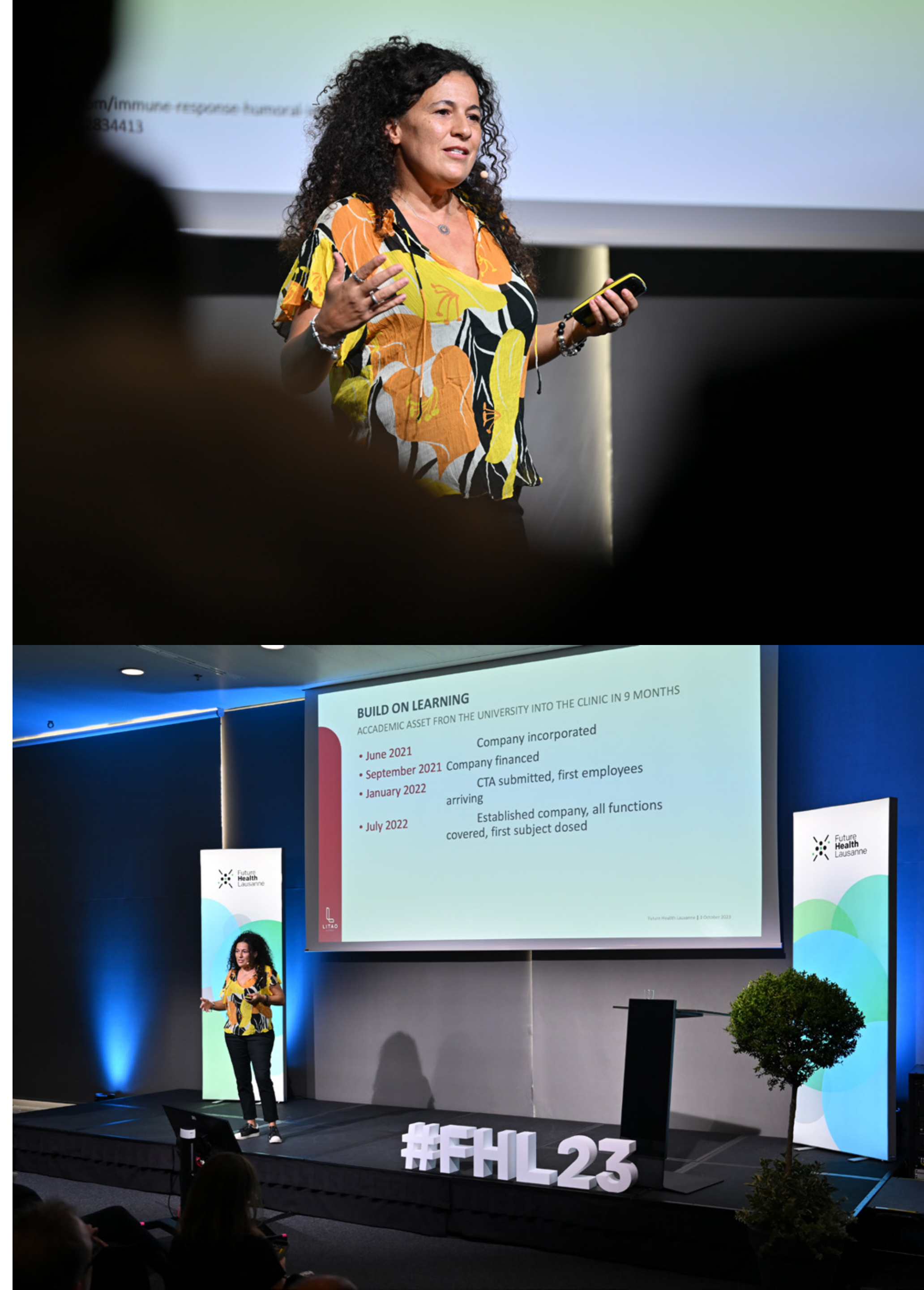
«Hard work, resilience and passion are the keys to success.»

Madiha Derouazi, CEO of Speransa Therapeutics, has more than 18 years of experience in vector technology and vaccine design. At Future Health Lausanne, she explained how vaccines are prepared from oncology to infectious diseases. She discussed prophylactic and therapeutic vaccines, including those for HIV, Alzheimer's and multiple sclerosis, as needed. Madiha emphasised that ultimately the medicine is the immune system.

She also shared her personal journey and experience as an entrepreneur. She emphasised the need for a change in mindset for scientists who want to succeed in the corporate world and the importance of combining scientific thinking with entrepreneurship.

Madiha shared her challenges when all her vaccine designs failed in 2015. Nevertheless, her vaccine was launched in the US, Switzerland and Germany. Her second vaccination innovation was created during the Corona pandemic and was released in just 12 months.

She emphasised that only a minority of drug developments lead to registration and launch. She believed in the power of science and the importance of the right network to succeed as an entrepreneur, emphasising that asking the right questions and listening are essential skills.



MAGALI BISCHOFF, NOURIA HERNANDEZ, MICHAEL FRIEDERICH, GORANKA TANACKOVIC

HEALING IN TRANSLATION: TACKLING HEALTHCARE CHALLENGES TOGETHER

Goranka Tanackovic: «It's not all about science.»

In the first panel of FutureHealth Lausanne, Magali Bischoff, Nouria Hernandez, Michael Friederich, and Goranka Tanackovic discussed the theme «Healing in Translation: Tackling Healthcare Challenges Together.» Nouria Hernandez stated that the foundation for new products emerges from universities, as they conduct important and necessary research, forming the basis for every innovation in healthcare. She also expressed that universities could contribute even more to product development for the benefit of patients. Michael Friederich mentioned that, while he could only speak for the med-tech industry, employees sometimes need to return to research because the data is valuable and needed.

Magali Bischoff added that, in addition to research, it is crucial to understand patients and their needs. Goranka Tanackovic emphasized the importance of engaging with stakeholders, stating that understanding the market and addressing it at the right time is crucial. In response to what Future Health requires, Michael and Magali suggested that regulations need to be adapted, and a dialogue with the FDA must take place.



LAN ZUO, LUCAS SPIERER, NICOLAS LOEILLOT, SÉBASTIEN NUSSLÉ

FOSTERING INNOVATION IN DIGITAL HEALTH

Nicolas Loeillet «Making progress in medical technology accessible at an early age.»

The second panel addressed the topic of «United Action and Co-Construction for a Better Healthcare System.» Lan Zuo, Lucas Spierer, Nicolas Loeillot, and Sébastien Nusslé took the stage at FutureHealth Lausanne to discuss this subject. The two panelists, Nicolas Loeillot and Lan Zuo, introduced their collaborative project, Digital Healthcare, launched by CSS and EPFL. The program focuses on promoting innovations in digital health and the development of new technologies and solutions in healthcare. This includes research, startup support, regulation, collaboration, and training. The overarching goal is to achieve a more efficient healthcare delivery, improved diagnoses and treatments, enhanced patient orientation, and strengthened dialogue and networking. As an example of the success of the EPFL and CSS program, two former participants took the stage at FutureHealth Lausanne. Genknowme, the company founded by Sébastien Nusslé, co-founder and manager of genknowme, measures the impact of patients' lifestyles at the DNA level by determining their biological age through epigenetic assessment. Lucas Spierer, CEO of Neuria, founded the company in 2021 as a spinoff of his research laboratory to bring his latest discovery of new neurocognitive mechanisms of action targeting the brain's reward system to market, aiming to reduce cravings and consumption of unhealthy products.



DOMINIQUE TRUCHOT-CARDOT

UNITED ACTION AND CO-CONSTRUCTION FOR A BETTER HEALTHCARE SYSTEM

«We need to integrate innovation in health professional practices.»

Dominique Truchlot-Cardot, Head of SILAB and Professor Ordinaire, founded her company in 2018. The institution offers vocational training for nurses with a Bachelor of Science in Nursing (HES), as well as further education and postgraduate studies in the field of health and social services. SILAB conducts research programs aimed at enhancing the efficiency and advancement of nursing in an evolving society, recognizing the numerous challenges faced by the healthcare system.

One of these challenges involves the necessity for healthcare professionals to possess a technical understanding, a requirement particularly pertinent in today's rapidly changing landscape. Ms. Truchlot-Cardot emphasizes the integration of innovations such as artificial intelligence (AI) into nursing practices. She contends that the various healthcare sectors cannot operate in isolation but must collaborate while incorporating technology. The overarching goal is «Innovation for a better healthcare.»

According to her perspective, there is an urgent need for a genuine paradigm shift in how innovation is conceptualized, implemented, and made accessible in healthcare. Technologies, she asserts, should be viewed as tools within this transformative process.



JEROEN TAS

FIVE WAYS AI COULD SAVE YOUR LIFE

«Great potential requires a major health system upgrade.»

Speaker Jeroen Tas, founder of Fast&Slow, spoke at Future Health Lausanne about how artificial intelligence (AI) could save our health and our lives. He presented five examples of how AI could help with diagnosis. In his opening speech, Tas shared his personal story of being confronted with a life-changing health challenge in his daughter. This inspired him to think about the broken healthcare system and how he could make a difference.

He emphasised the need to modernise the health system, including new payment systems and a greater emphasis on data sharing and innovation. Digital transformation in health, driven by technologies such as AI and health informatics, offered great potential to increase efficiency and productivity in the health system, he said. Given the increasing pressure on the health system, Tas underlined the urgency of adopting digital ecosystems. He also pointed out that AI represents a huge opportunity for the future of healthcare, but it requires up-to-date software and data.



IMPRESSIONS.



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Neue Zürcher Zeitung AG
Zweigniederlassung NZZ Connect
Viktoriastrasse 72
3013 Bern

Tel. +41 31 334 88 88
E-Mail connect@nzz.ch

