

Photonics and telecommunication

Bheeni

Aleksandrs

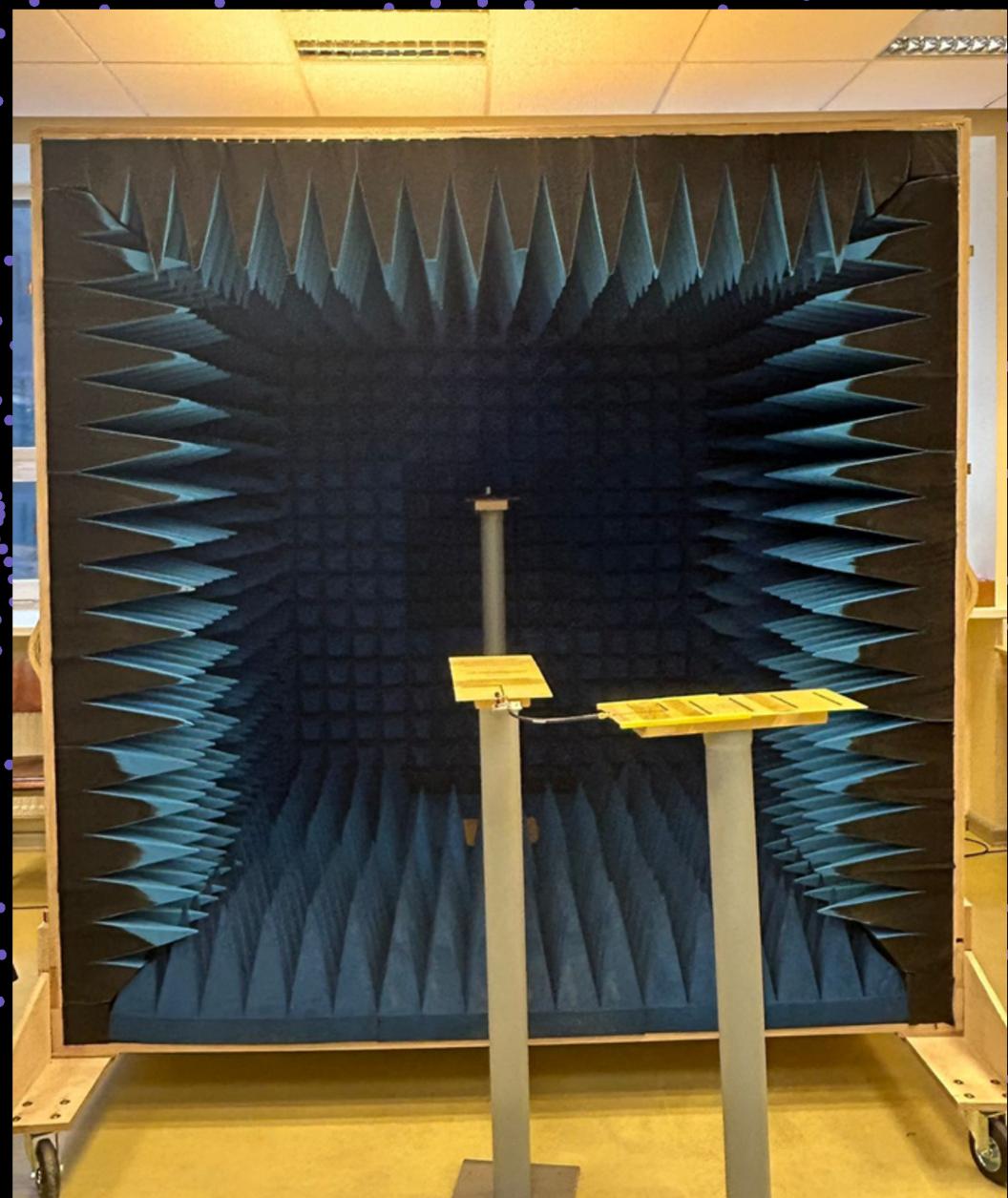
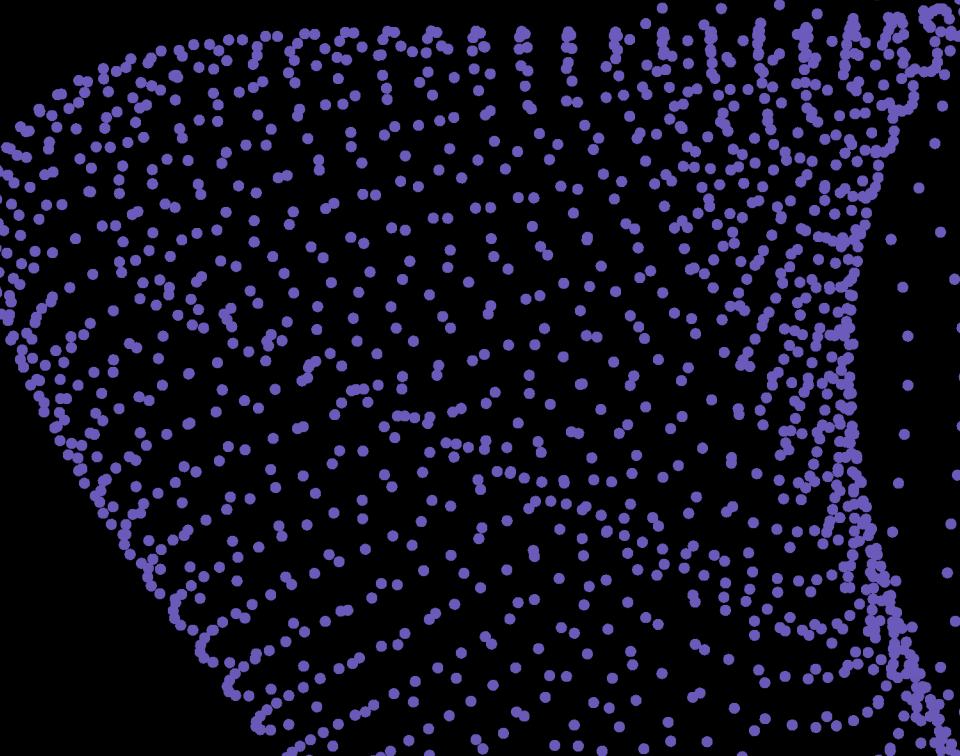
Mihails

Emils

Susanna

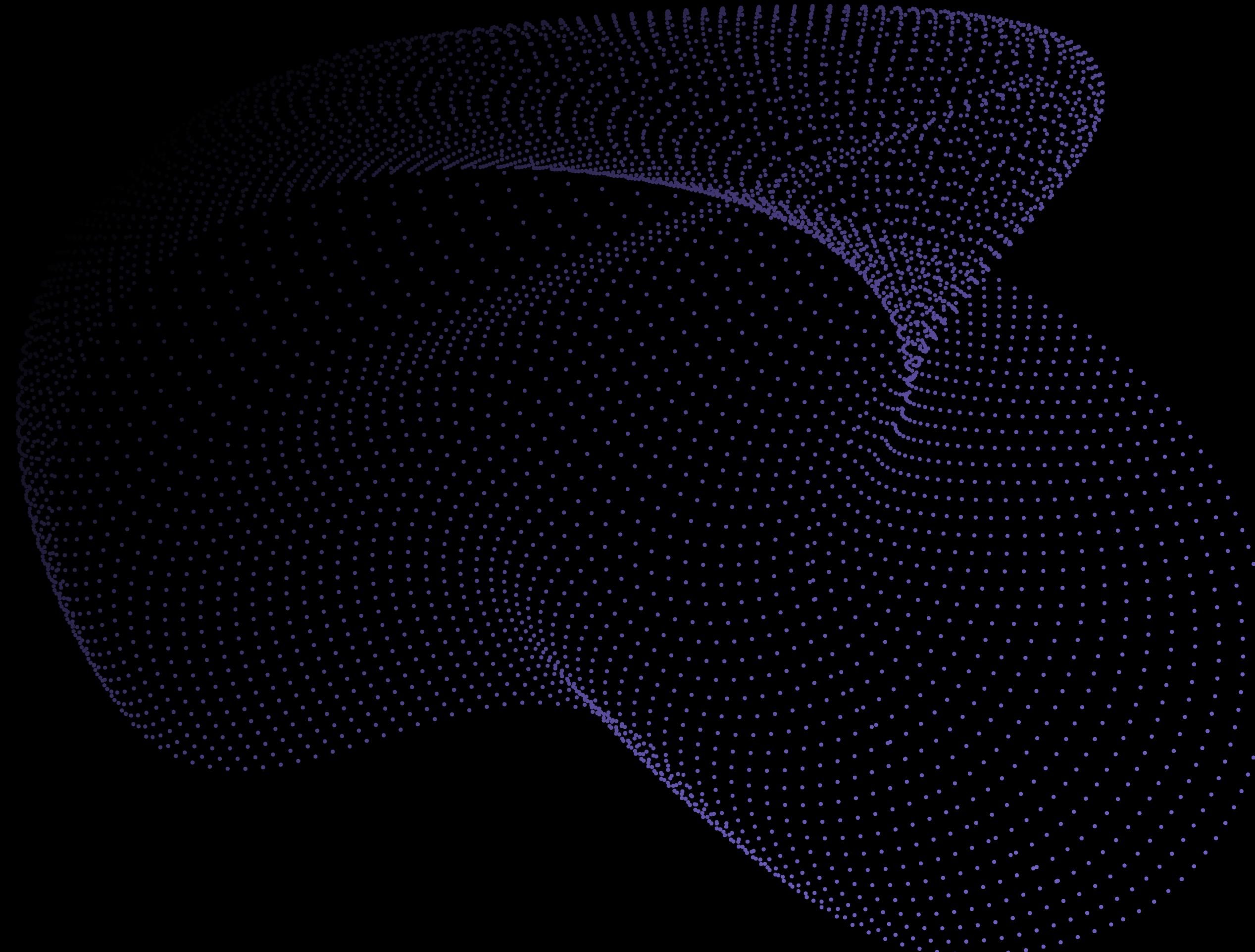
About the labs

- Established along with the RTU
- First lab --> radio communication



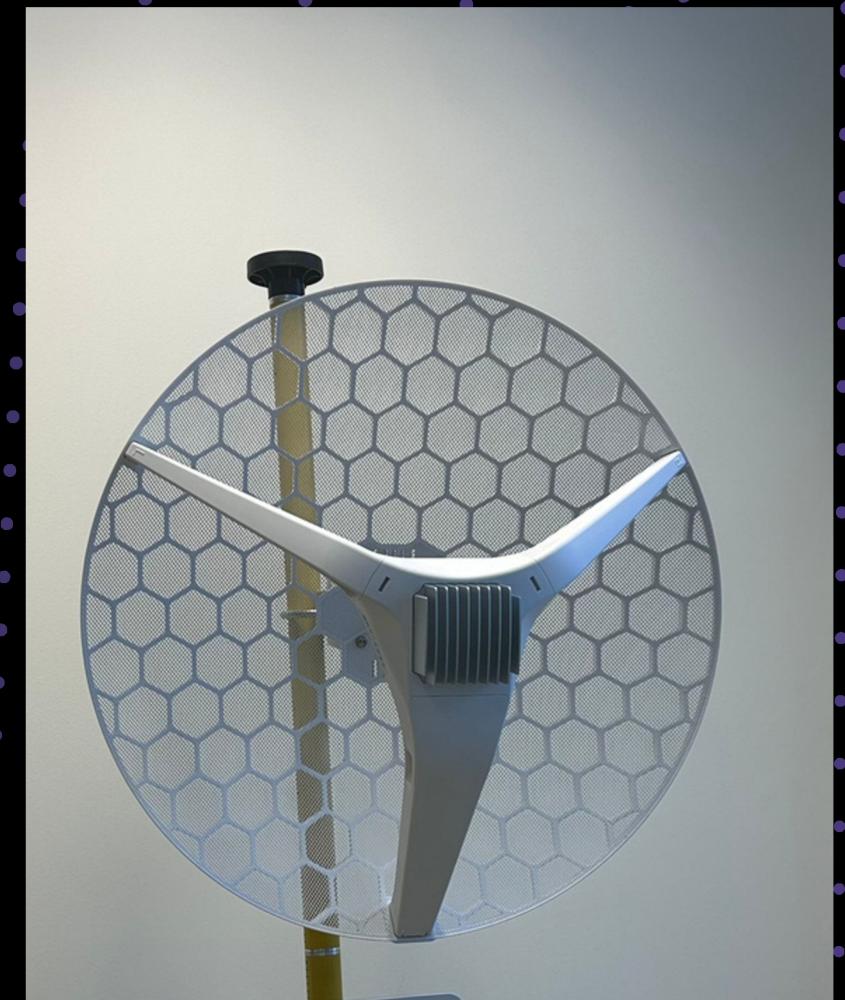
Jargon

- Open RAN
- Radio waves
- Photon
- Nannophotonic
- Frequency



Open RAN

- Network
- Analysis
- Remote areas



SpacePro lab

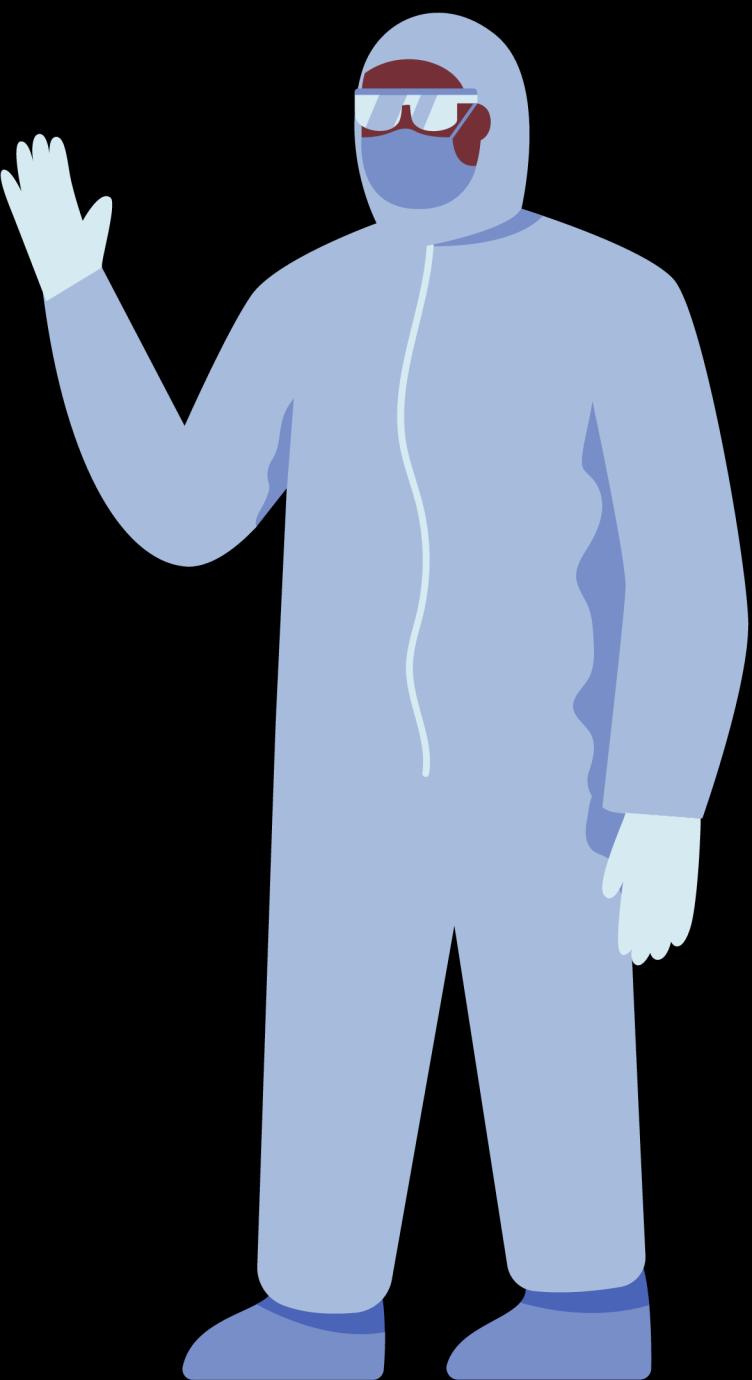
- Telecommunication
- Chambers
- Collaboration



Does 5G technology really pose health risks?

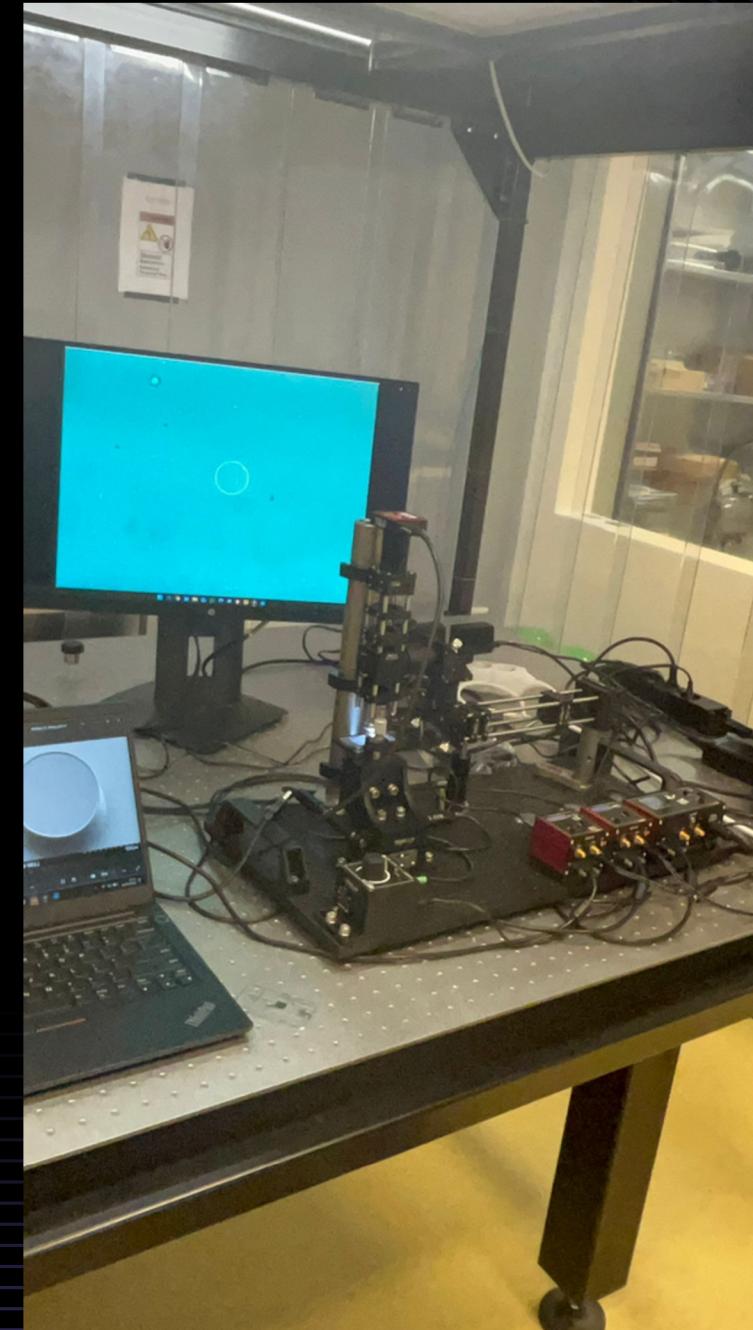
HEALTH RISKS FROM USING 5G

There is a popular belief that
5G technology causes cancer
or even spreads COVID-19



Nanophotonics lab

- Military/Medicine
- Particles
- World Record

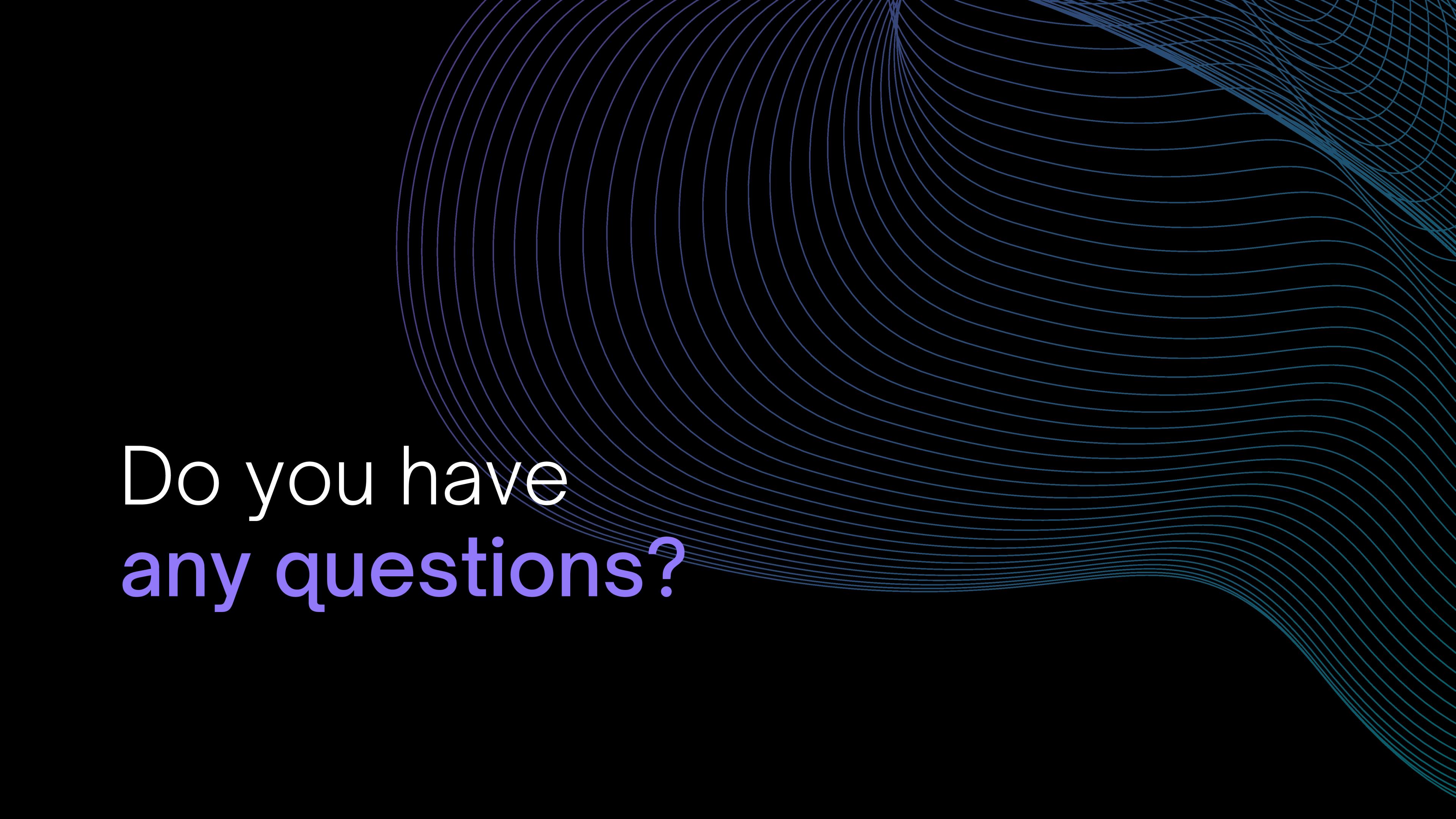


It is too hard!

The popular belief about working
with photons is that it is too hard

Tip from researchears

- Combine studies with work in the industry
- Don't think that something is too hard, just try
- Find the field which makes you curious
- Sometimes the result can be unbelievable

The background of the slide features a dark, almost black, surface with a subtle, flowing pattern of thin, light blue lines. These lines are arranged in a way that suggests waves or ripples, creating a sense of depth and motion. The lines are more concentrated in the upper right quadrant and spread out towards the bottom left.

Do you have
any questions?