

## PRESS RELEASE

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# Cybersecurity: a key issue for healthcare environments

## Global ID SA partners with Idiap Research Institute on KIDOLEH, a new project to advance finger-vein authentication.

In March 2026, Global ID SA and the Idiap Research Institute have launched **KIDOLEH**, a joint innovation initiative to significantly improve **finger-vein authentication (FVA)** using advanced machine-learning techniques. The project improves Global ID's F2 finger-vein imaging device by implementing a new data processing pipeline that meets speed and security needs for high-security environments such as hospitals and secure facilities.

The new pipeline will be evaluated offline using data captured from the Global ID's F2 device, aiming for state-of-the-art identity-verification accuracy and fast enough template comparison for practical de-duplication.

Global ID CEO **Prof. Lambert Sonna** commented: *"This partnership embodies the best of Swiss innovation. KIDOLEH will allow us to deliver ultra-secure biometric solutions that meet the demands of modern healthcare and other sensitive domains."*

Idiap Project Leader **Dr. Sushil Bhattacharjee** added: *"Finger-vein biometrics is an emerging technology that promises high reliability as well as high security. Through this collaboration we aim to bring state-of-the-art finger-vein biometrics technology to the real world."*

KIDOLEH reinforces Switzerland's leadership in trustworthy, privacy-preserving biometric technologies.

## Benefits for Hospitals and the Healthcare Sector

The healthcare sector faces critical challenges involving identity verification, access control, and fraud prevention. KIDOLEH addresses these challenges with a technology that is ultra-secure, and inclusive in three different ways:

### 1. Improved Patient Identification

- Mitigates errors caused by name duplication, unconscious patients, or incorrect data entry.
- Supports safer clinical decisions by guaranteeing that patient records match the right individual.

### 2. Stronger Access Control for Medical Staff

- Ensures only authorized personnel can access:

### 3. Fraud Reduction in Healthcare Administration

- Prevents identity fraud in: insurance claims, patient registration, medication dispensing.



## A Strategic Collaboration

This partnership leverages **Global ID's pioneering vein biometrics hardware** and **Idiap's international expertise in machine learning and biometrics research**. Together, they aim to set new standards in secure authentication technology, made in Switzerland.

The results of KIDOLEH will support the industrialization of Global ID's F2 device and pave the way for ultra-secure, high-performance biometric solutions fit for critical sectors including healthcare, finance, public administration, and secure infrastructure.

## Contacts

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### **About Global ID**

Global ID SA is a Swiss start-up specializing in biometric authentication based on finger vein patterns. Founded in 2016 by Prof. Lambert Sonna Momo, it is located at the EPFL Innovation Park in Ecublens.

### **About Idiap**

The Idiap Research Institute, based in Martigny, Switzerland, is an independent and leading institute for artificial intelligence research. Founded in 1991, Idiap has developed expertise in machine learning, human-centered AI, digital security, speech and audio processing, energy informatics, health and genomics, and NLP. The institute also actively collaborates with industry and participates in national and international projects to drive innovation in AI.