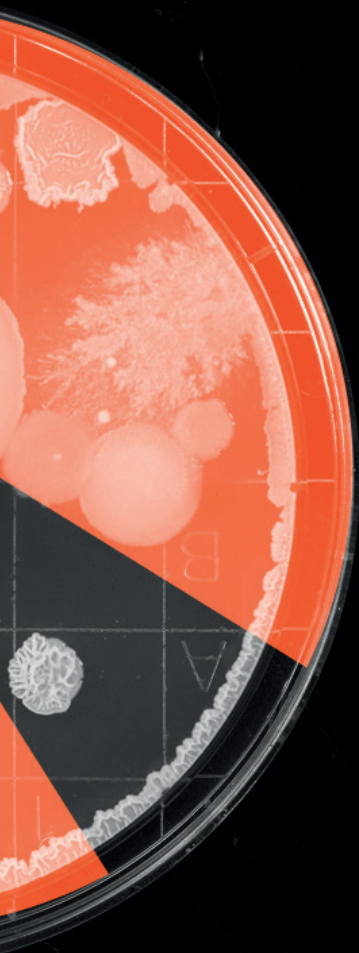




Hermann Hauser  
Frontier Lab



8th — 12th September

# Participant Booklet

# Introduction



**The Hermann Hauser Frontier Lab builds on a legacy, over a decade of shaping the next generation of Deep Tech entrepreneurs at the highest level. Co-hosted by Onsight Ventures & Standortagentur Tirol and guided by world-class mentors, we carry forward the tradition of the I.E.C.T. Summer School, which supported more than 300 founders developing groundbreaking technologies.**

**As its successor, the Frontier Lab goes beyond fundraising and networking, confronting the hard truths that define success for Deep Tech innovators emerging from academia.**



**Co-Hosted by:**

**Onsight Ventures**

**Tirol** STANDORTAGENTUR  
TIROL

### **What can guests expect?**

As a programme and a networking platform the Hermann Hauser Frontier Lab offers selected events to the public. These events are inspirational, offer room to connect and they give our participants a chance to present their ideas. This year we offer the following events to our guests:

Event — 001

# Welcome Evening

Opening Ceremony

Co-Hosted by:

**START  
UP.  
TIROL**

Welcome to the kick-off Event of the Hermann Hauser Frontier Lab!

We'll open the evening with a warm welcome from the organizers, followed by inspiring words from Hermann Hauser himself. Then it's time to meet our sponsors and this year's bold new participants, ready to push limits and shape what's next.

Come curious, come inspired, this is just the beginning!

**When**

**8th September, 18:30- 22:00**

**Where:**

**West Park, Innsbruck**

**Register:**



Event — 002

# State of Tech in Europe

**Inspirational Event**

Join us for another inspiring evening!

The event will start with a powerful keynote by Dr. Michael Förtsch, who recently closed a €62 million funding round with Q.ANT, followed by a panel discussion moderated by Russell E PERRY with Dr. Hermann Hauser, Michael Conniff (USA, Single Family Office), Diana Rucinski (Brussels, European Innovation Council) and Dr. Julia Wagner (CH, Positron Ventures).

We'll close this event with relaxed networking and great conversations.

**When** 9th September, 18:45- 22:00

**Where:** BTV Stadforum, Innsbruck

**Register:**



Event — 003

# Meet Tyrol

**Inspirational Event**  
**Invite Only**

Hosted by:



This invitation-only event offers a morning at the Alpenzoo with inspiring talks, brunch, and an optional guided tour, hosted by Standortagentur Tirol. Upon arrival, the event will begin with a short welcome followed by a keynote from Lukas Furtenbach.

Afterwards, we'll enjoy a relaxed brunch in the unique setting of the zoo. For those interested, there will be an optional guided tour of the Alpenzoo starting at 11:00.

We look forward to spending a meaningful and inspiring morning with you.

**When** 11th September, 08:30- 12:00

**Where:** Alpenzoo, Innsbruck

Event — 004

# The Demo Day

**Pitch Competition**

**Invite Only**

Be part of the highlight of the week!

The Demo Day is the event where all start-ups will present their ventures to a selected group of investors and corporate partners. Drawing on the knowledge and insights gained throughout the week, each team will showcase their progress and vision for the future.

Following the pitching competition, we'll gather for the Demo Day Dinner, a celebratory evening to reflect on the week's achievements.

**When**

**11th September, 13:00- 22:00**

**Where:**

**West Park & Landhaus, Innsbruck**

Event — 005

# Talk To Your Customer

**Strategies for Growth**  
**Invite Only**

Hosted by: **invest•  
austria**



This event kicks off with a keynote by David Sade, who will explore the theme “Talk to Your Customer” through an inspiring health-focused case study, highlighting how customer insights can shape innovation and business success.

This will be followed by a fireside chat with experienced investors, moderated by Daniela Haunstein, providing valuable perspectives on building strong, customer-centric strategies and leveraging feedback for sustainable growth.

To round off the session, the start-ups will take the stage in their respective mentoring groups. Guided by David Sade, they will engage in interactive conversations on the theme “Talk to Your Customer”, discussing practical approaches, lessons learned, and real-world applications to refine their own customer strategies.

**When**                      **12th September, 08:30- 10:15**

**Where:**                    **West Park, Innsbruck**





**Don't wait for  
the future.  
Build it.**

# Our Partners

## Powered by



## In Cooperation with



# Our Participants



# Muaaz Abdul Hadi

Company Name:

MUST Visibility FlexCo

Industry:

TechBio & Synbio



**Making the invisible, visible! We use explainable AI (xAI) models to detect defects and monitor tool-life in real time, whether in manufacturing of metal workpieces or in medical applications such as osteosynthesis, helping to prevent failures & permanent tissue damage.**



Our promise is simple yet, groundbreaking: Real-time Quality Management DURING the process. At MUST Visibility FlexCo, we apply patented technology via explainable AI models to perform real-time Quality Management. We address two business domains:

- CNC Machining: real-time defect detection on workpieces and tool-life estimation DURING machining
- Medical Sector: real-time tool-life estimation DURING bone drilling (osteosynthesis).

With a core developed patented technology, we address both the mechanical and medical industries.

## Expectations

**Create a deeper understanding of VC needs and finding the right investors to support us on our visionary journey.**

# Andrea Ballista

Company Name:

Voiseed srl

Industry:

AI & Data Science



“

**VOISEED is a pioneering start-up at the forefront of AI-driven expressive speech synthesis for agentic voice production and dubbing.**

”

VOISEED is an innovative start-up that specializes in AI for emotional speech synthesis with the mission to “Voice the unvoiced” for the video game, media & entertainment, e-learning, and marketing vertical.

We have finalized our Horizon Europe project we started in 2022 that has been essential to boost our R&D experience on voice representation of human emotions in a multilingual environment and launched our first product REVOICEIT.

## — Expectations

**We are focusing on fundraising to accelerate and meet the rising demand for emotionally rich AI voices.**



## Michael Birdsall

Company Name:

Cambium AI Limited

Industry

AI & Data Science



**Cambium AI makes public data accessible and usable so that organizations of any size can research and market with full market knowledge.**



Cambium.ai is a no-code platform that allows users to gain insights from public data sets, designed to help businesses, researchers, and growth leaders make strategic decisions. The platform connects directly to trusted repositories such as the U.S. Census Bureau and the American Community Survey (ACS), giving users access to a wide range of reliable data. Instead of requiring coding or complex queries, Cambium.ai enables natural language questions in plain English, making data discovery simple and intuitive. The insights are presented through clear data visualizations, including charts, interactive maps, and downloadable tables, making the information easy to understand and ready to use in reports or presentations.

### --- Expectations

**Build a strong network in Europe and navigate the transition from Deep Tech research to commercialization.**

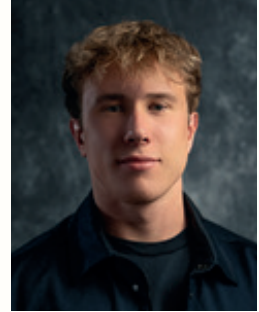
# Marc Czernich

Company Name:

Markify

Industry:

AI & Data Science



“

**We change marketing from complexity and expense into clarity, simplicity, and an online-shop experience.**

”

Social media is today's most powerful form of marketing, yet most solutions fail: hiring in-house costs thousands with weak results, agencies are expensive, slow, and brand-focused, while influencer marketing is proven to be the most effective, efficient, and a scalable approach. Markify makes it effortless, like booking hotels on Booking.com, companies can easily book creators, from small UGC profiles to large influencers. Our AI-powered matching ensures campaigns reach the right audience, delivering higher conversion, lower cost, and faster impact. With authentic content, transparent pricing, and a seamless process, Markify is redefining the future of marketing.

## — Expectations

**Build connections with visionary founders and thinkers, while exchanging insights, receiving feedback, and engaging in inspiring discussions.**



## Stefan Grüll

Company Name:

S1SEVEN GmbH

Industry

Energy & Sustainability



**We Drive Digital Trust in Global Material Supply Chains, Customs and Compliance.**



S1SEVEN's technology platform offers the fastest, most cost-effective way to adopt Digital Material Passports (DMPs) in your industry. A DMP is a verifiable, machine-readable data object that transforms paper-based certificates and fragmented specifications into auditable data trails — aligning buyer and regulatory requirements with tamper-evident supplier proofs. DMPs integrate seamlessly with existing systems, ensuring contractual conformity, automating regulatory compliance, and providing traceability at the transactional level. With DMPs, materials become programmable, digitally governable, and financeable — between buyers and sellers, industry and society, today and the future.

### Expectations

**Embrace learning and connect with ambitious, like-minded peers to gain fresh perspectives and push beyond conventional thinking.**



# Alexey Gusev

Company Name: Shore Control Lab (SCL)  
Research Institute: Norwegian Univ. of Science & Technology  
Industry: Energy & Sustainability



“

**Our modular system for ferry remote control and fleet management combines ultra-low-latency communication, vessel autonomy, and leading human-machine collaboration via Autoteaming, enabling scalable operations.**

”

Our product is a modular system for ferry management and remote control, offered as a complete solution or as standalone components. It features an ergonomic remote operation station, a shore-based control center, ultra-low-latency communication, vessel autonomy, 360° vision, collision avoidance, anomaly detection, emergency handling, and AI-assisted control with intuitive human-machine interaction. Maritime operations remain dependent on onboard crews, causing high costs, limited flexibility, and inefficient use of space. Fully autonomous solutions are not yet reliable enough to remove human oversight. Our system bridges this gap with AutoTeaming — humans and machines working as collaborative partners. By enabling remote operation, partial autonomy, and scalable fleet management, we reduce costs, enhance safety, and improve efficiency.

## Expectations

**Build valuable connections for growth, learn to pitch to investors, and gain professional feedback on ideas.**



## Markus Haider

Company Name:

Emergo Technologies GmbH

Industry

AI & Data Science



**We combine scientific rigor with entrepreneurial vision to pioneer AI voice technologies that transform healthcare. Our mission: Empower providers with intelligent voice interfaces — seamlessly integrating transcription, LLMs, and text-to-speech — for scalable, user-centric solutions that revolutionize medical workflows.**



Emergo Technologies is a bootstrapped Deep Tech start-up specializing in AI voice technologies at the intersection of artificial intelligence and medical technology (Med-Tech). Financed through software development projects for our clients, we maintain operational agility while remaining open to collaborative opportunities. We excel in voice-as-interface systems, connecting advanced transcription, large language models (LLMs), and text-to-speech models to create seamless interactions. Our tech stack enables us to orchestrate fully customizable voice bots, all hosted securely in Europe for compliance and reliability. Beyond client services, we are passionate about developing our own products, including an AI-powered phone bot for diverse integrations and a medical transcription tool that streamlines healthcare workflows.

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### Expectations

**Learning about pitching and selling while further developing our idea.**

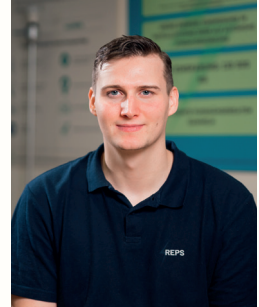
# Alfons Huber

Company Name:

REPS-Tirol GmbH

Industry:

Energy & Sustainability



**REPS (Road Energy Production System) is an energy converter on roads that transforms lost energy from vehicles into clean electricity.**



REPS turns roads into power plants, Our patented and validated technology converts road impulses into green energy, delivering 254 times more output than dynamo-based solutions and 13,000 times more than piezo. With traction from major ports, governments and partners across the USA, UAE, Japan and Australia, we are building the first amortized road power plant. The system is based on the world's first permanent magnetic bearing, which leads to high efficiency and a long lifespan, resulting in amortization and ultimately a profitable business. Unfair advantage: Traditional energy converters like dynamos and piezoelectric systems can't create a self-amortizing road power plant — but REPS can.

## Expectations

**I anticipate building meaningful partnerships that could lead to future collaborations and opportunities.**



## Roy Kaiser

Company Name:

Peeriot GmbH

Industry

Quantum Technology & New Compute



**We are a Deep Tech IoT software start-up building a decentralized Operating System for IoT networks: enabling the WWW of IoT.**



Peeriot is a German Deep Tech infrastructure software start-up in IoT. Our decentralized middleware combines P2P and IoT, enabling autonomous devices to connect, interact, and manage data — fully self-organized and cloud-free. This creates a new IoT software category and forms the foundation of the “WWW of IoT”: a universal, self-organizing layer where devices autonomously discover, share, and use structured information. Just as the Internet connected people and data, it now empowers devices to collaborate intelligently.

### Expectations

**I look forward to deepening my knowledge of the Deep Tech start-up playbook, connecting with investors, and building a strong network within the Deep Tech ecosystem.**

# Elika Karvandi

Company Name:

Auryal GmbH

Industry

AI & Data Science



“

**We merge artificial and human intelligence to create HALO - the first AI agent trained by your brain, delivering a truly personal and human-aligned superintelligence.**

”

AURYAL merges artificial and human intelligence to create a human-aligned superintelligence. HALO is the first AI agent trained by your brain, not just your data. Using non-invasive EEG sensors, HALO captures 20+ mental states, labels context information with cognitive states, and translates it into a format understandable for large language models. This solves the limits of current AI by enabling aligned cognition, real-time adaptation, orchestration of digital and robotic agents, and self-evolving knowledge. With use cases in coaching, tutoring, dating, and robotics, HALO becomes a truly personalized super-intelligence.

## — Expectations

**I am excited to meet inspiring people, learn the fundamentals, and explore potential future partnerships.**



## Akif Quddus Khan

Company Name:	SlashCloud.io
Research Institute:	Norwegian Univ. of Science & Technology
Industry:	Energy & Sustainability



**SlashCloud.io isn't another SaaS, it's the CFO's new best friend. We make cloud cost chaos a thing of the past. Plug in. Optimize. Save money every single day.**



SlashCloud.io is a multi-directional cloud cost optimization tool that reduces storage and traffic costs by up to 34% with one-click automation, smart tiering, and cost simulation. Businesses face spiraling expenses, lack of visibility, and ineffective native tools, making SlashCloud.io a comprehensive cross-cloud solution across AWS, Azure, and GCP. Its live dashboards, automated tiering, and projection engine provide clarity and savings, while independent spot VM deployment adds flexibility. The market opportunity is projected to reach \$12B by 2028, with demand from start-ups, digital-first enterprises, and MSPs. Backed by research alliances, strategic partners, and early clients, SlashCloud.io combines subscriptions, pay-as-you-save pricing, and enterprise services.

### **Expectations**

**Since our start-up is currently in the pre-seed phase, I'm eager to learn more about funding opportunities and gain a clearer understanding of how to successfully launch my product in the market.**

# Stefan Köstler

Company Name: elyte diagnostics GmbH

Industry: TechBio & SynBio



**We empower patients with chronic disease to monitor blood potassium levels at home, to prevent complications and improve their quality of life.**



At elyte diagnostics we are empowering millions of heart failure and chronic kidney disease patients to manage potassium imbalances and thus optimize therapies, increase quality of life & improve prognosis. Our novel technology for at-home monitoring of blood potassium levels will revolutionize cardiorenal therapy management and patient pathways. It will greatly benefit the patients and allow to optimize medications, adjust nutrition, and prevent severe conditions of hyperkalemia. With the corresponding reduction in hospital admissions and severe complications, it also saves billions in health care costs.

## — Expectations

**I aim to strengthen my ability to present and craft compelling fund-raising storylines, enhance my skills in managing and scaling a Deep Tech start-up, and sharpen the customer focus and business case of our product.**



## Marcus Lebesmühlbacher

<b>Company Name:</b>	Holloid GmbH
<b>Research Institute:</b>	BOKU University
<b>Industry:</b>	TechBio & SynBio



**Holloid enables a global transformation of material value chains with breakthrough bioprocess control**



Holloid develops real-time bioprocess and hygiene monitoring. The spin-off from the Institute of Colloid and Biointerface Science at BOKU University enables unsurpassed bioprocess control using proprietary holographic microscopy for fluids. Our Industrial IoT solution combines devices generating big data on microorganisms producing pharmaceutical compounds, chemicals, foods, and beverages or spoiling processes. The sensors deliver >1,000,000 higher throughput than conventional microscopy, fully integrated in the production line, 24/7, with analyses in seconds. Our solution is offered as Software as a Service and uses AI to provide actionable insights at scale. This unlocks breakthroughs in biotech, hygiene monitoring, and a global transition to more sustainable value chains. Our holographic microscopy builds on a decade of research and is protected by more than a dozen internationally granted patents.

### **Expectations**

**Engaging Deep Tech and biotech VCs in our seed round, building connections with pharma, food and chemistry leaders. We are targeting 5x revenue growth next year.**



# Beatriz Lima

**Company Name:** Dandelion Diagnostics ApS  
**Research Institute:** Oxford University  
**Industry:** TechBio & SynBio



**AI-enabled diagnostics for diverse diseases. At the point-of-care, while you wait.**



Each disease leaves a unique fingerprint. What if we could harness these to reduce the risk of losing someone we care about? Dandelion Diagnostics is transforming how complex diseases are detected and diagnosed. Traditional processes can take years and carry high costs for patients and healthcare systems. Our AI-driven platform uses nanoscale photonic biosensors to capture the unique biological fingerprints of disease and interpret them in real time. This enables faster, more accurate, and more affordable diagnostics at the point of care. By reducing diagnosis timelines from years to minutes, we aim to address diseases that have long been difficult to diagnose, making precision healthcare more accessible and improving outcomes for patients worldwide.

## — Expectations

**Build confidence in presenting our vision and communicating science to secure funding.**



# Thomas Luschmann

Company Name:	Peak Quantum
Research Institute:	Walther-Meißner-Institute
Industry:	Quantum Technology & New Compute



**Peak Quantum builds the most reliable quantum processors to enable scalable, industrial-grade quantum computing – made in Europe.**



Peak Quantum is building high-quality quantum processors (QPUs) based on superconducting qubits. We spun-off the company in 2024 with a team of world-class researchers from the Walther-Meißner-Institute and are pioneering a novel qubit architecture with built-in error protection, aiming to accelerate the development of fault-tolerant and application-ready quantum computing. Today's systems require thousands of unstable qubits to encode just a few logical ones. By embedding fault tolerance directly into the hardware, our processors suppress errors at the physical layer, dramatically lowering redundancy and enabling efficient scaling. This means fewer physical qubits, faster systems, and hardware that can actually power meaningful applications.

## — Expectations

**I'm looking to connect with peers, get sharper on investment readiness, and work on clear, authentic brand messaging.**

# Michael Reip

**Company Name:** openmaind FlexCo  
**Research Institute:** SciencePark Graz  
**Industry:** AI & Data Science



“

**We orchestrate mobile robot fleets like Google Maps routes traffic and Uber matches riders – intelligently across any platform.**

”

openmaind is a cutting-edge company that is transforming industrial automation with mobile robotics and AI. Founded by experienced robotics experts, openmaind provides a smart system to manage and coordinate fleets of mobile robots. Whether robots are from different manufacturers or operate across varied environments, the system simplifies fleet orchestration, reducing complexity and ensuring smooth operations without requiring specialized expertise. By combining Agentic AI with proven technology, such as Graph Theory and Digital Twin, and a deep understanding of the robotics industry, openmaind is revolutionizing the way logistics and automation work. With plans to dominate the European market, the company is scaling its solutions and seeking investment to drive further growth.

## — Expectations

**Identify relevant investors and receive critical feedback on our pitch and strategy.**



## Georg Rieckh

Company Name:

Discovery Evolution FlexCo

Industry:

TechBio & SynBio



**Our mission is to pioneer the discovery of innovative biologics, shaping the next generation of biopharma.**



We are reshaping the pharmaceutical landscape with the goal to drug undruggable diseases such as cancers, cardiovascular diseases, atherosclerosis, neurological disorders and many more. By moving from the bench to the digital world, we liberate drug discovery from the limitations of classic, lab-intensive assays. Our technology leverages the creative power of digital evolution to discover new antibodies against dysfunctional receptors in the cell. In this way, we speed up the process of drug discovery so researchers can identify promising new antibody candidates significantly faster, with higher hit rates, thereby reducing the risks associated with drug development.

### **Expectations**

**I look forward to understanding the inner workings of VCs and Deep-Tech funding while strengthening my skills in pitching and market analysis.**

# Vegar Stubberud

Company Name: OptoPatch  
Research Institute: Norwegian Univ. of Science & Technology  
Industry: TechBio & SynBio



“

**OptoPatch is an innovative, user-friendly patch for continuous blood flow monitoring on patients.**

”

OptoPatch aims to solve the problem of expensive diagnostics equipment that is often excluded from routine screening due to price and limited availability. By developing sensors that are low-cost and readable without specialized equipment, our product makes diagnostics more accessible and provides a more complete picture of patient health through continuous monitoring. The product is a simple-to-use, low-cost patch that offers beat-to-beat monitoring of blood flow, detectable with a phone camera, enabling continuous patient monitoring and diagnostics.

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## Expectations

**I am excited to engage in discussions with experienced entrepreneurs, receive pitch training and guidance, and refine my storytelling skills.**



## Andreas Vetter

Company Name:	Munich Quantum Instruments GmbH
Research Institute:	TU Munich
Industry:	Quantum Technology & New Compute



**Munich Quantum Instruments develops Revolutionary Photonic Quantum Sensors.**



Quantum technology is the next big thing — a tech revolution that will transform science, industry, and everyday life. At Munich Quantum Instruments, we build cutting-edge photonic quantum sensors designed for real-world impact. Scalable, high-performance, and future-ready, our technology brings quantum applications to life — on an industrial scale. Our detectors play a crucial role in many applications such as in secure and quantum-proof data communication schemes (Quantum Key Distribution), Quantum Computing, Quantum Networks and Quantum Sensing.

### Expectations

I look forward to gaining insights into Deep Tech VC funding, receiving coaching on our own VC case, and connecting with investors.

# Maximilian Zanner

Company Name:

Marmot Quantum

Industry:

Quantum Technology & New Compute



**Fabrication of Fluxonium Quantum Processing Units hardware and cryogenic/microwave integration complemented by software for HPC/cloud links with error correction via Nvidia DGX.**



Our approach is built on two core pillars: advanced hardware development and robust software infrastructure. On the hardware side, we focus on the fabrication of quantum processing units (QPUs) based on Fluxonium technology, developed at the Kirchmair Lab (University of Innsbruck/IQOQI), and their seamless integration into a custom cryogenic and RF environment enhanced with proprietary sensor technology. On the software side, we are building a comprehensive infrastructure that connects quantum systems to cloud platforms and high-performance computing environments, drawing on insights from collaborations with the Jülich Supercomputing Centre, the Israeli Quantum Computing Center, and Quantum Machines. This includes developing a hardware-agnostic error correction stack enabled by tight GPU/CPU to QPU integration through Nvidia DGX.

## — Expectations

**I look forward to exploring funding options, connecting with complementary talents, and refining our idea.**

# Participant List

Participant	Company
Muaaz Abdul Hadi	MUST Visibility FlexCo
Andrea Ballista	Voiseed srl
Michael Birdsall	Cambium AI Limited
Marc Czernich	Markify
Stefan Grill	S1SEVEN GmbH
Alexey Gusev	Shore Control Lab (SCL)
Markus Haider	Emergo Technologies GmbH
Alfons Huber	REPS-Tirol GmbH
Roy Kaiser	Peeriot GmbH
Elika Karvandi	Auryal GmbH
Akif Khan	SlashCloud.io



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Marcus Lebesmühlbacher	Holloid GmbH
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Vegar Stubberud	OptoPatch
Andreas Vetter	Munich Quantum Instruments GmbH
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Hermann Hauser Frontier Lab

Co-Hosted by:  
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OnsightVentures



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The information in this guide is believed to be correct  
at the time of printing.

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