Tampere University R2B project





Lensless, software-enabled, next generation microscopy



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Introduction and Agenda



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Business developer

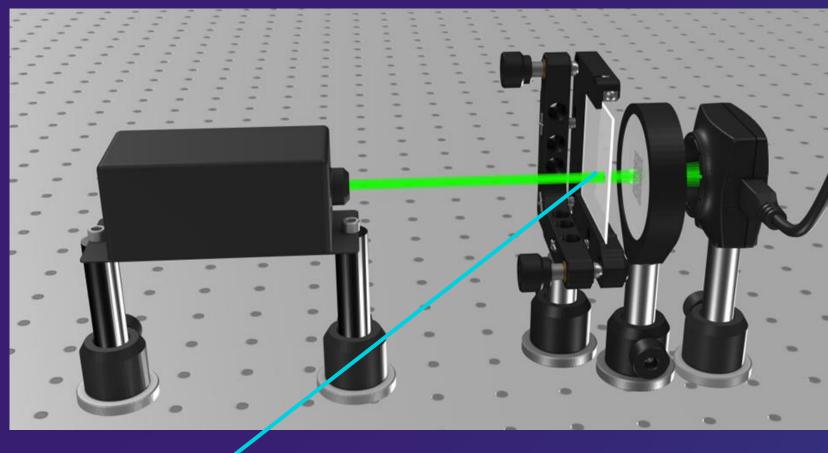
Consultant (Pharma & health tech)

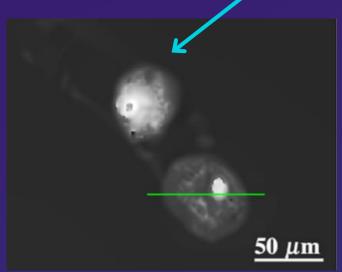




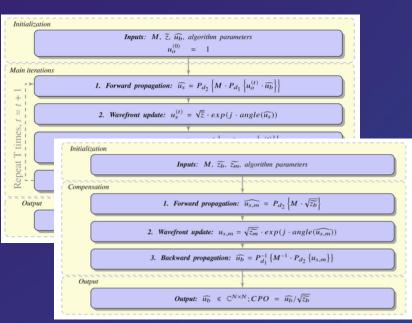
Proposed Approach

The phase problem is solved by the developed precise calibration model and utilization of state-of-the-art noise suppression algorithms









Computational focusing







LABORATORY ANALYSIS AND OBSERVATIONS

Research Application Areas

- Cancer research
- Organoids
- Stem Cell research
- Drug discovery and development
- Quantification
- Cell Proliferation

- Cell Proliferation
- Cell Motility and migration
- Wound Healing



Lensless Microscope for Observing and Monitorin of Live Cells

1st Prototype ready 25.03.2024



COLLECT FEEDBACK ON DESIGN

No need to go into a cell lab. Present the microscope and ask people to hold it in their hands. What do they think?

OBSERVE CONFLUENCY OF CELLS

Visit cell culture labs, collect feedback in an Excel file, and implement feedback for the 2nd prototype.

The Solution

Lensless, software-enabled, palm-sized microscope

- Portable & affordable
- ✓ Non-invasive (no toxic dyes)
- ✓ Time saving (stain-free)
- Al-enabled (fully digital)
- Generate vast amounts of data
- Resolution 0.56 μm, magnification 40x





Agenda

- Top 2 things to consider (selling and understanding VCs)
- Why start-ups fail
- A to do list for start-ups

What is sales?





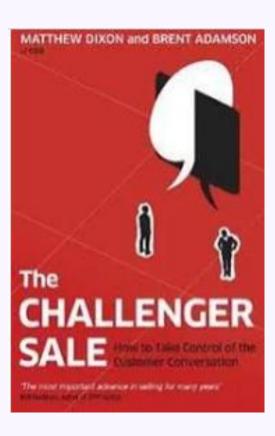


"Everybody sells"

Sales = influencing people, communicating value, listening to people's challenges.

At the heart of everything is your customer. Everything you do, is dictated by their needs.







Understanding the investors





Venture capitalists

professional investors who invest in high-growth companies



Angel investors

wealthy individuals who invest their own money in startups



Corporate investors

big companies that invest in startups to get a new product or technology



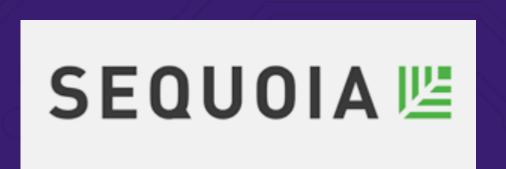
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Family and friends

family and friends:)

Understanding the investors





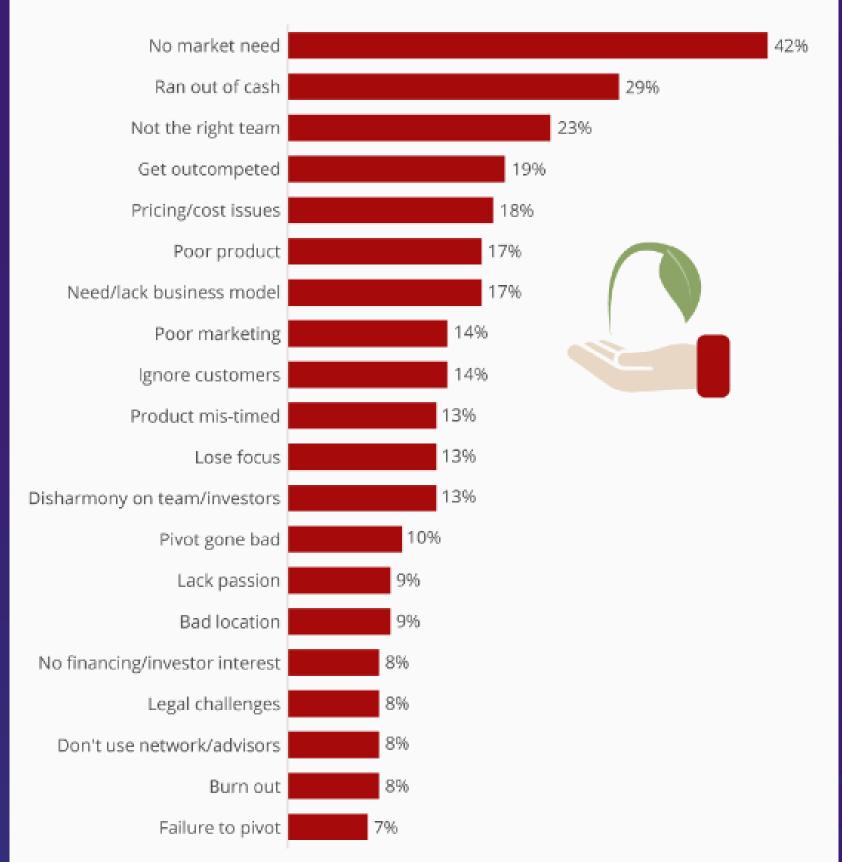


Where do investors get money to invest?



The Top Reasons Startups Fail

Most frequently cited reasons for startup failure*



Why start-ups fail

Most start-ups fail. More than 2/3rds never show positive returns to investors.

Dare to fail

statista 🔽

"You can screw up everything else and still be success" if you have P/MF: How else would you explain a 25-year old running a billion-dollar business?" - Andy Rachleff

Read: Tom Eisenmann from Harvard Business School.







Check list

- Market research (PESTEL, SWOT, interviews, market size, competitors etc.)
- Thought exercises: Create customer profiles (aka. Buyer personas), Think of the customer journey.
- Test your hypothesis and gather data!
- Think of possible business models, pricing models, market entry strategies (Sales led vs product led.)
- Business best practices: come prepared to meetings, send agenda/deck before the meeting, be on time, don't waste your time.
- Understand roles in companies and think of your company structure, culture etc. Understand your teams strengths and weaknesses and allocate roles accordingly/hire people.
- Make sure your team is aligned (very important for bigger teams).
- Project management best practices- send agenda before hand, come prepared to meetings with questions, take meeting notes and write down teams tasks with deadlines. Delegate tasks.
- Make a to-do-list for the next 2 years- what needs to happen and how much money do you need-> think of ideal VC (cap tables) + mentors + incubators etc.
- Think of your exit (IPO, Aquisition etc.)
- Dare to fail. Have risk tolerance.
- Start-up mind set: fake it till you make it.



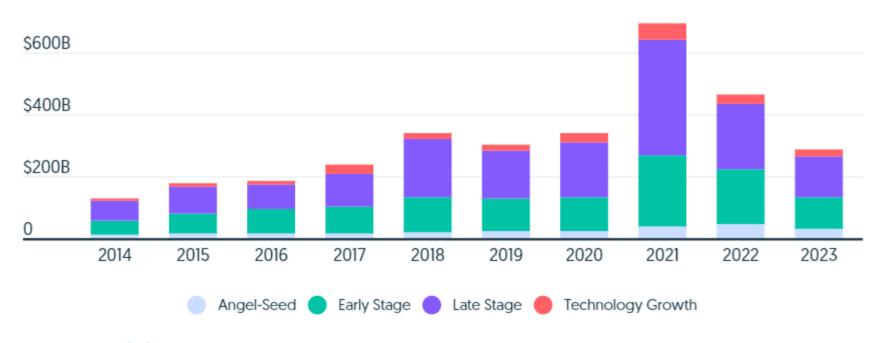


Have any questions? Feel free to send me an email!

Are you doing live-cell imaging? Or working in water

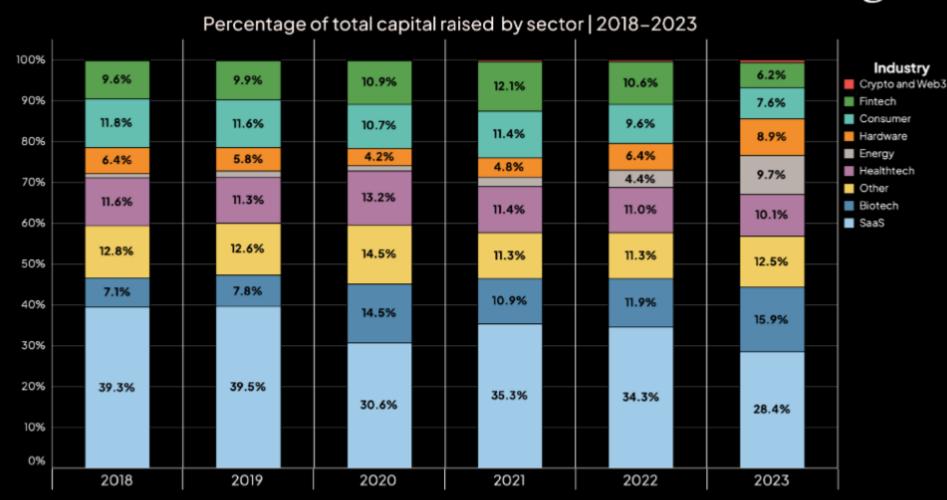
purity/aquaculture? Contact us!

Global Venture Dollar Volume By Annum



crunchbase

Biotech's share of VC raised hits a recent high



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