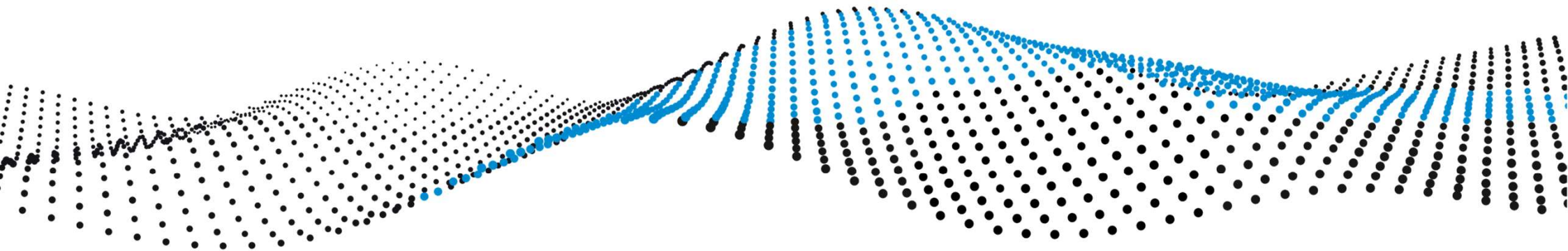




Ottica e Innovazione Zeiss: soluzioni per dare forma al progresso tecnologico

26/05/2022 - Roma



As the pioneer of science in optics,
we continue to challenge the limits
of our imagination.

With our passion for excellence, we
create value for our customers and
inspire the world in new ways.

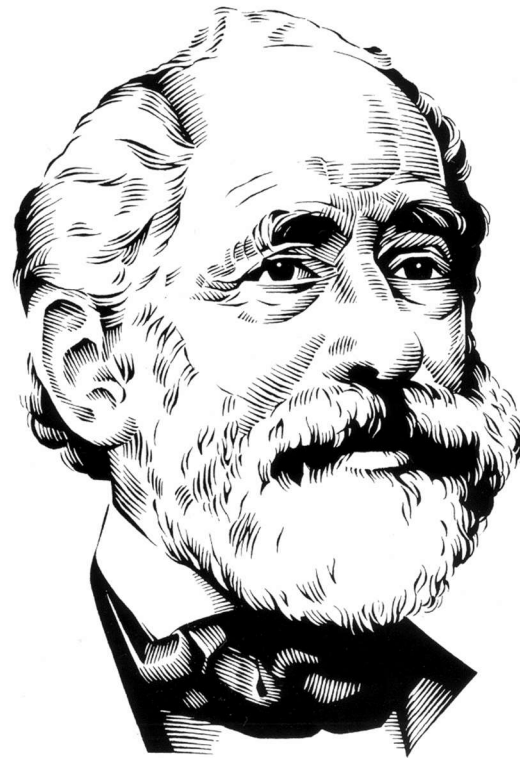
A STRONG FOUNDATION
FOR A STRONG FUTURE



Founder and Partner Enabling Customers

Carl Zeiss founded a workshop for precision mechanics and optical instruments in Jena in 1846. Ernst Abbe – a young scientist and collaborator for the company – later joined the company and became a partner in 1876.

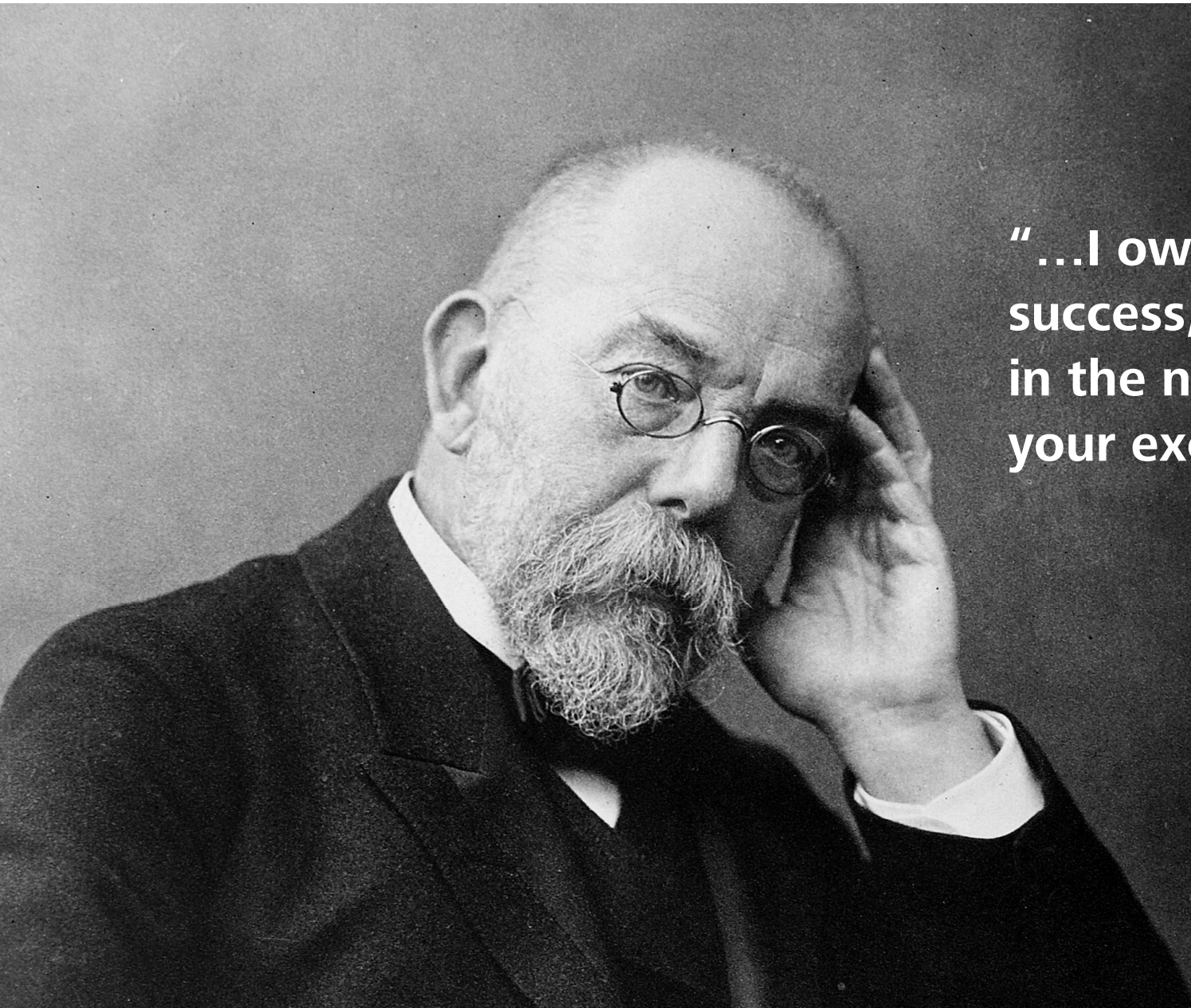
Optical technologies pave the way for many innovations. Carl Zeiss and Ernst Abbe recognized this early on, and this led to the creation of innovative new products and business areas that enabled the company to meet its customers' needs.



Carl Zeiss
Founder



Ernst Abbe
Partner



"...I owe a large part of my success, which I had achieved in the name of science, to your excellent microscopes."

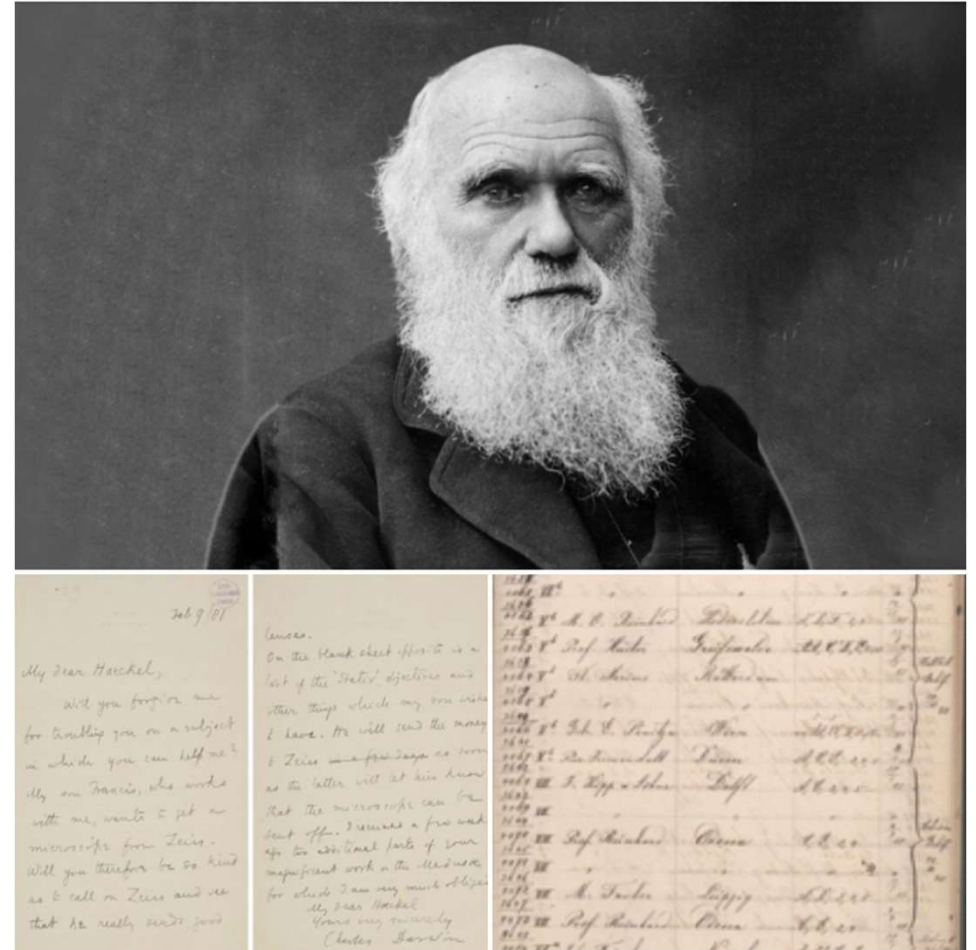
Robert Koch
Scientist & Nobel Laureate

The first ZEISS customers



In March 11th, 1881 Carl Zeiss shipped the 4876th microscope to... **Charles Darwin** with a set of special lenses after the Scientist's specific request to Prof. Haeckel (University of Jena):

*"My son Francis, **who works with me**, wants to get a microscope from Zeiss. Will you therefore be so kind as to **call on Zeiss and see that he really sends good lenses?**"*



ZEISS Contributions as an **Enabling Partner**

36

Nobel laureates

used ZEISS systems to advance
scientific progress

80%

of microchips worldwide

made on ASML lithography systems
with ZEISS optics

50

ZEISS Camera Lenses
were sent into space

during the NASA Apollo Mission

10

Oscar-nominated
movies in 2019

filmed with ZEISS Cine Lenses

300.000

surgical procedures every year

with the ZEISS KINEVO 900



Investments in Research & Development (2019/2020)

Innovations shape the future: Research and development teams at ZEISS are working hard to constantly expand our role as technology leader and market shaper. ZEISS has been making sustainable investments in R&D in order to achieve this goal.

New patent applications

580

R&D investments in € million

812

Investment by % of revenue

13%

Enabling the Next Generation of Microchips

Semiconductor Manufacturing Technology

- Semiconductor manufacturing optics, primarily for lithography
- Photomask systems
- Process control solutions for the semiconductor industry and other sectors





Assuring Quality and Precision – Seeing even the Finest Details

Industrial Quality & Research

Industrial Quality Solutions

- Contact and optical measuring systems
- Computed tomography
- Measuring, analysis & management software

Research Microscopy Solutions

- Light microscopy
- Laser scanning microscopy
- Electron and ion microscopy
- X-ray microscopy



Driving Progress in Medicine

Medical Technology

- Diagnostic and therapy systems for ophthalmology
- Visualization solutions for microsurgery
- Intraoperative radiotherapy
- Intraocular lenses for eye surgery





Enabling New Vision

Consumer Markets

Vision Care

- Eyeglass lenses & accessories
- Devices for vision tests & eye measurements

Consumer Products

- Lenses for Photography & Cinematography
- Industrial lenses
- Binoculars & spotting scopes for nature observation
- Hunting optics





Ensures Stability

The Carl Zeiss Foundation

The Carl Zeiss Foundation is the sole shareholder of Carl Zeiss AG. This special ownership structure ensures stability and long-term-orientation.

The Carl Zeiss Foundation

Foundation acting as a shareholder

100%



ZEISS Group



Foundation-owned company

Carl Zeiss AG
Oberkochen



Subsidiaries

100%



SCHOTT Group



Foundation-owned company

SCHOTT AG
Mainz



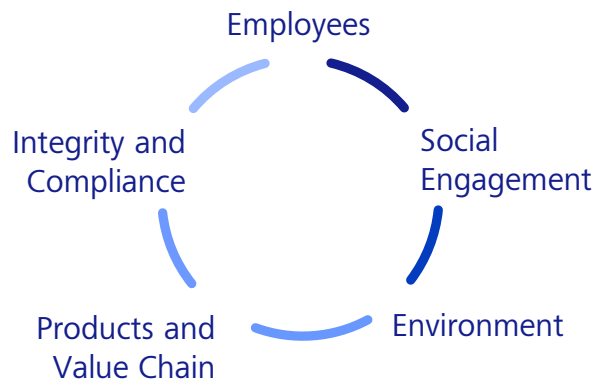
Subsidiaries

RESPONSIBILITY

Social Responsibility

Five Fields of Action

Across five fields of action, ZEISS is defining its responsibility for ensuring sustainable development.



RESPONSIBILITY

Attractive Employer with Unique Culture

ZEISS is an ideal employer for exceptional, dedicated talents. ZEISS offers its employees opportunities to actively shape the future.

Winning Team

32,201 Employees
worldwide

3,910 Employees
R & D

1,000 New Jobs
in 2019/20

520 Trainees
worldwide





Advancing mankind's knowledge is our goal, and that of all our customers, partners and employees.

ZEISS Research Microscopy Solutions enables leading researchers to find answers to our society's pressing challenges, and make their solutions available to others.

Thinking about the future: addressing global challenges



24 Million people worldwide suffer from Alzheimer's disease today.

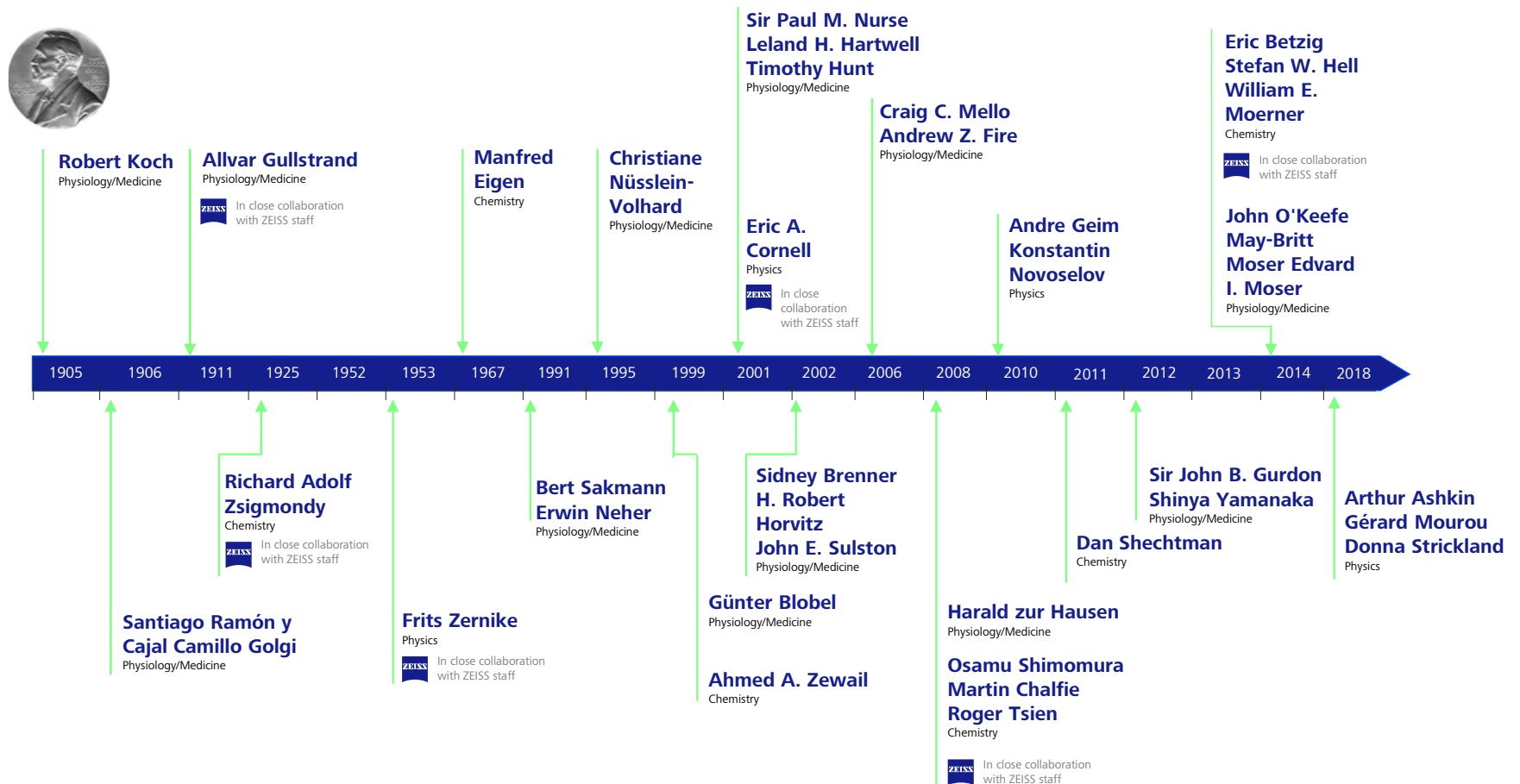


Food prices are rising, and malnutrition is by far the biggest contributor to child mortality.



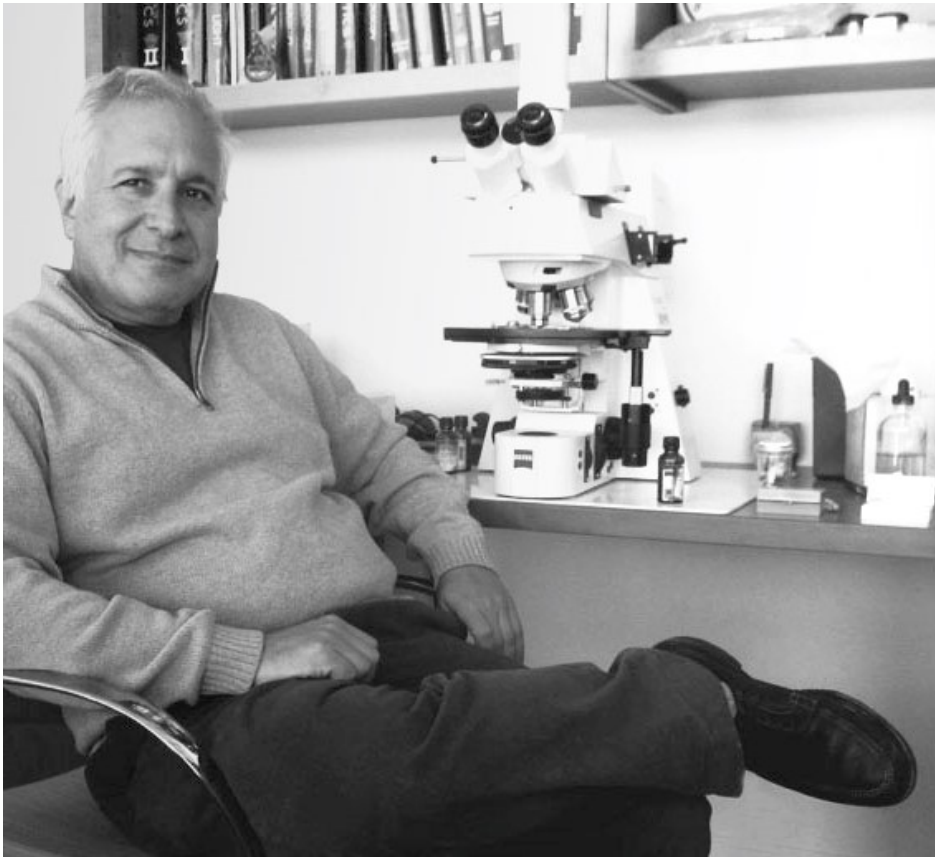
With the globally increasing demand for more energy, the world's oil and gas resources have been strained to their limits.

Over 30 Nobel laureates worldwide use ZEISS instruments to achieve progress in science



It's not only technology that drives science.
Understanding systems and technologies has
become the challenge for users of advanced
microscope systems.

Learning from our customers



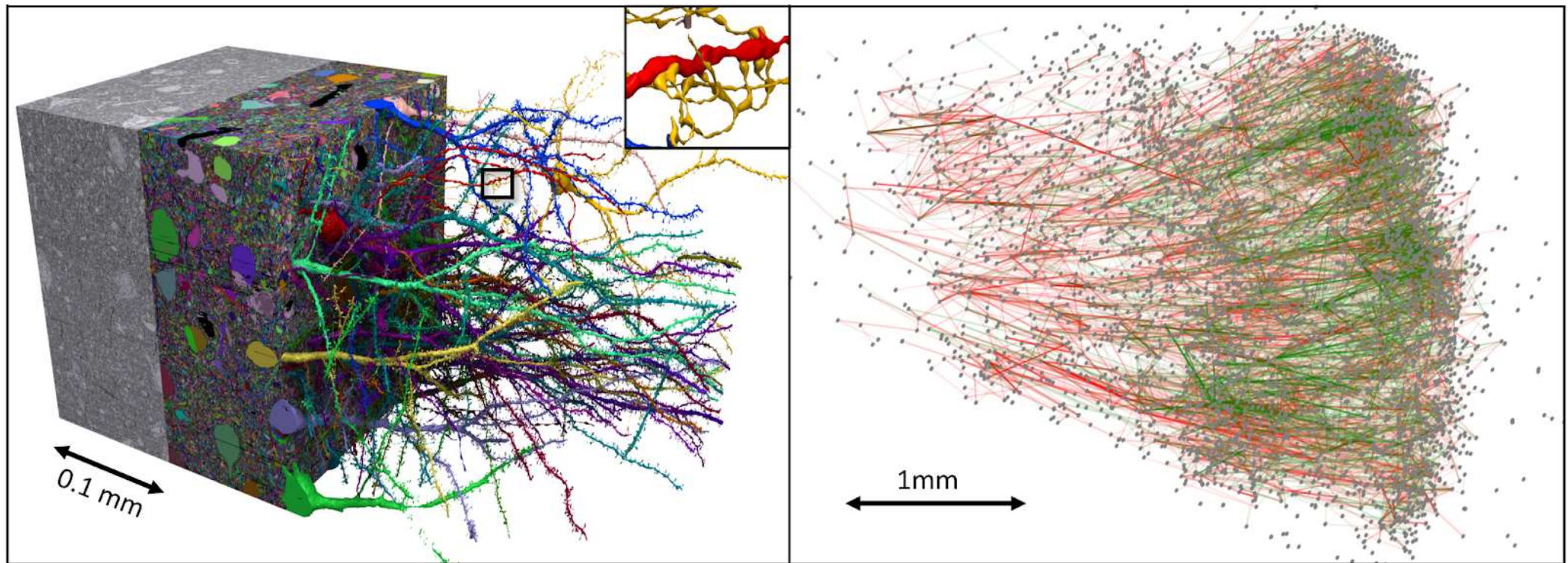
“Modern microscopy has reached a complexity level where the knowledge of the users often limits the performance of the system.”

Prof. Jeff Lichtman
MCB, Harvard

Connectomics Study of fragment of human brain



<https://ai.googleblog.com/2021/06/a-browsable-petascale-reconstruction-of.html>



Careers at Zeiss...



Your Career at ZEISS

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... or in Zeiss collaborations with Italian Universities

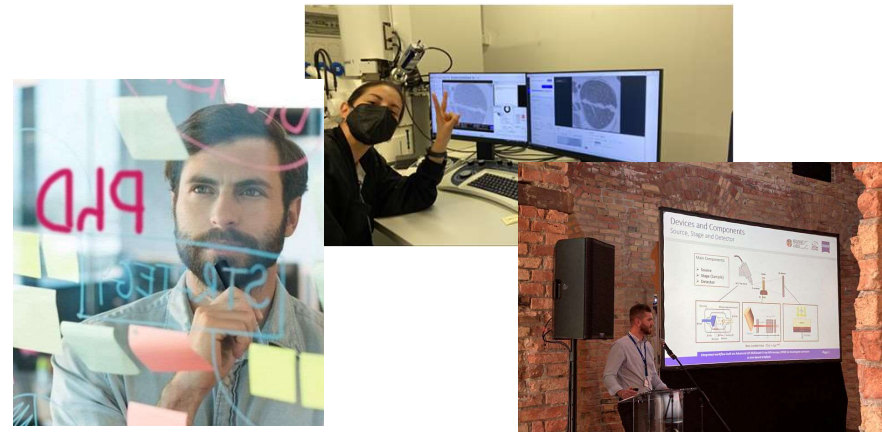


University of Rome La Sapienza - SBAI



University of Milan Bicocca – School of Medicine and Surgery

- PhD co-funding
- Scientific Collaborations
- Application development
- Networking
- Further career opportunities in Research



Visit our website

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Seeing beyond