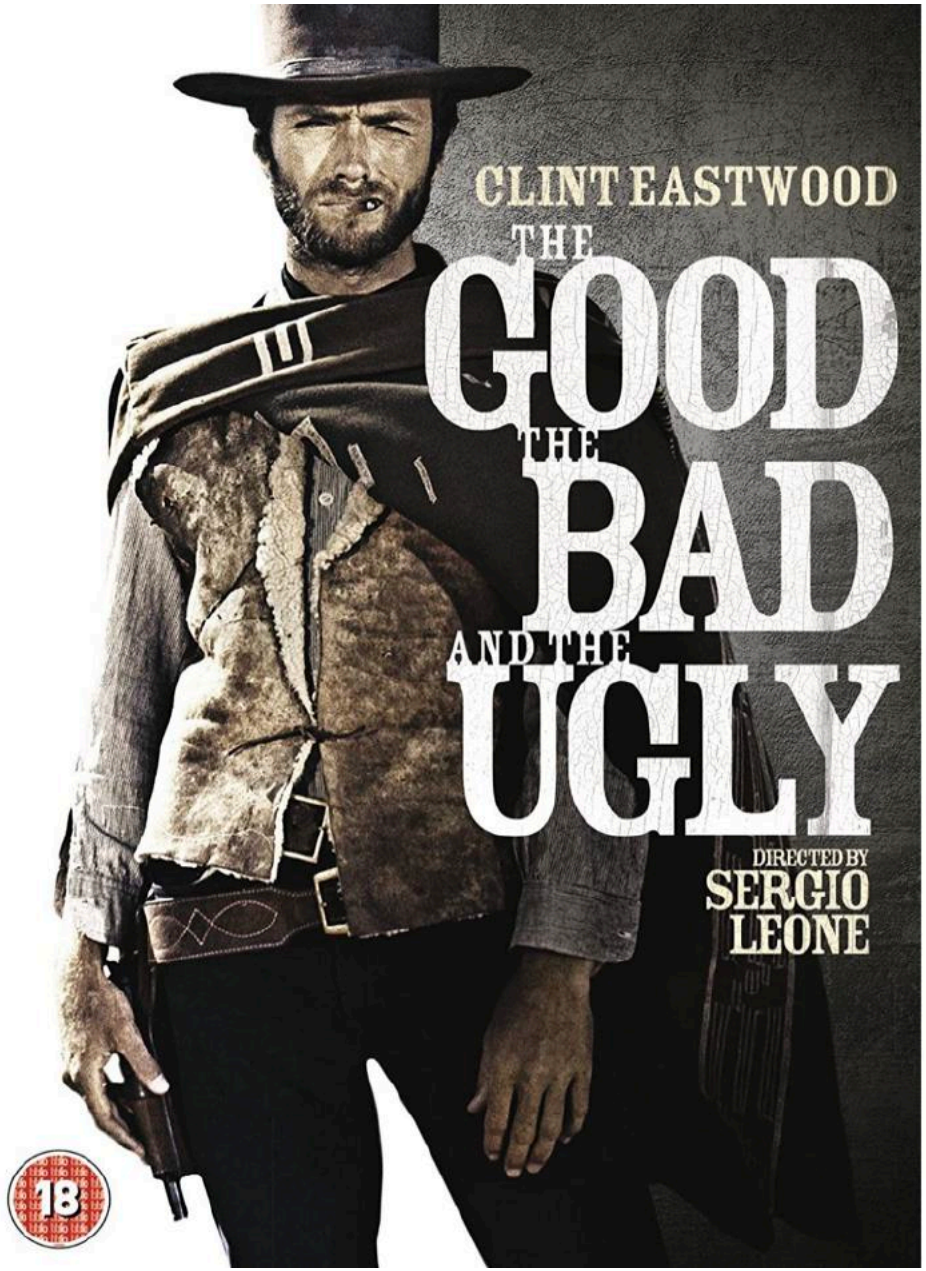
Chemische Experimente in VR

Siegfried Schindler

JUSTUS-LIEBIG-
UNIVERSITÄT
GIESSEN

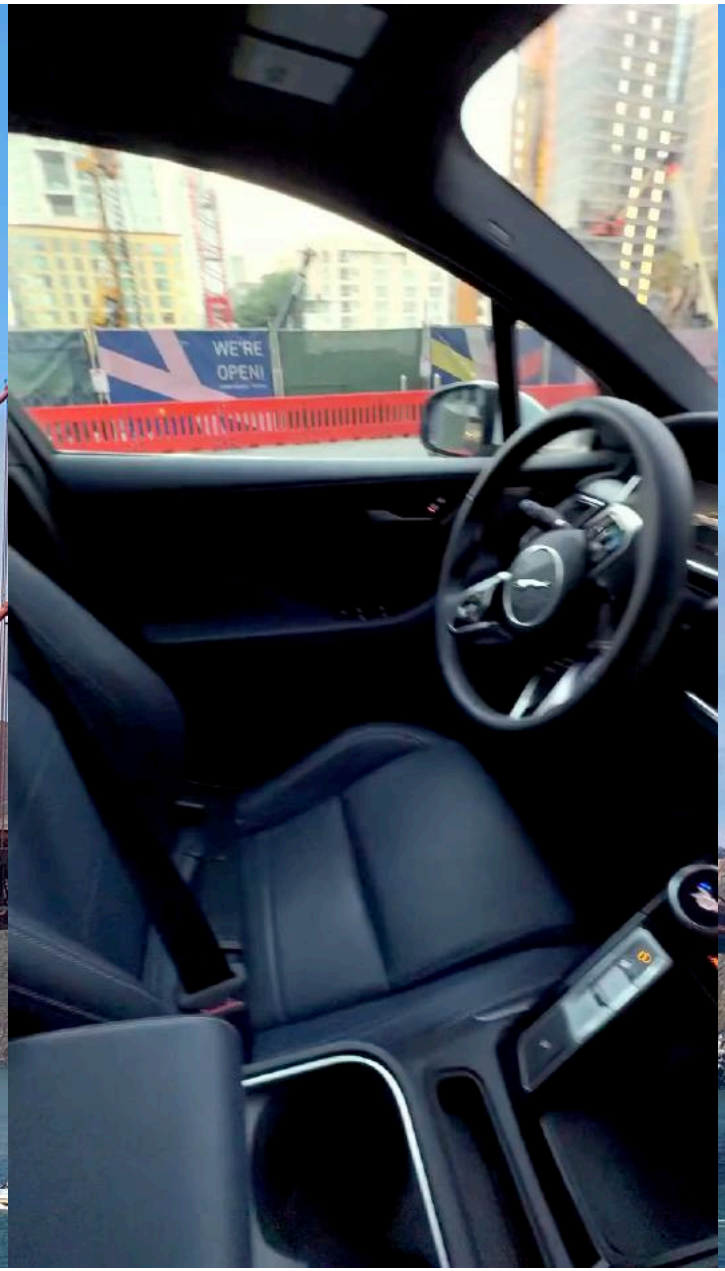
13. Mai 2025 - Multimedia Werkstatt Frankfurt

Yin and Ya


CLINT EASTWOOD
THE
GOOD
THE
BAD
AND THE
UGLY
DIRECTED BY
SERGIO
LEONE
18

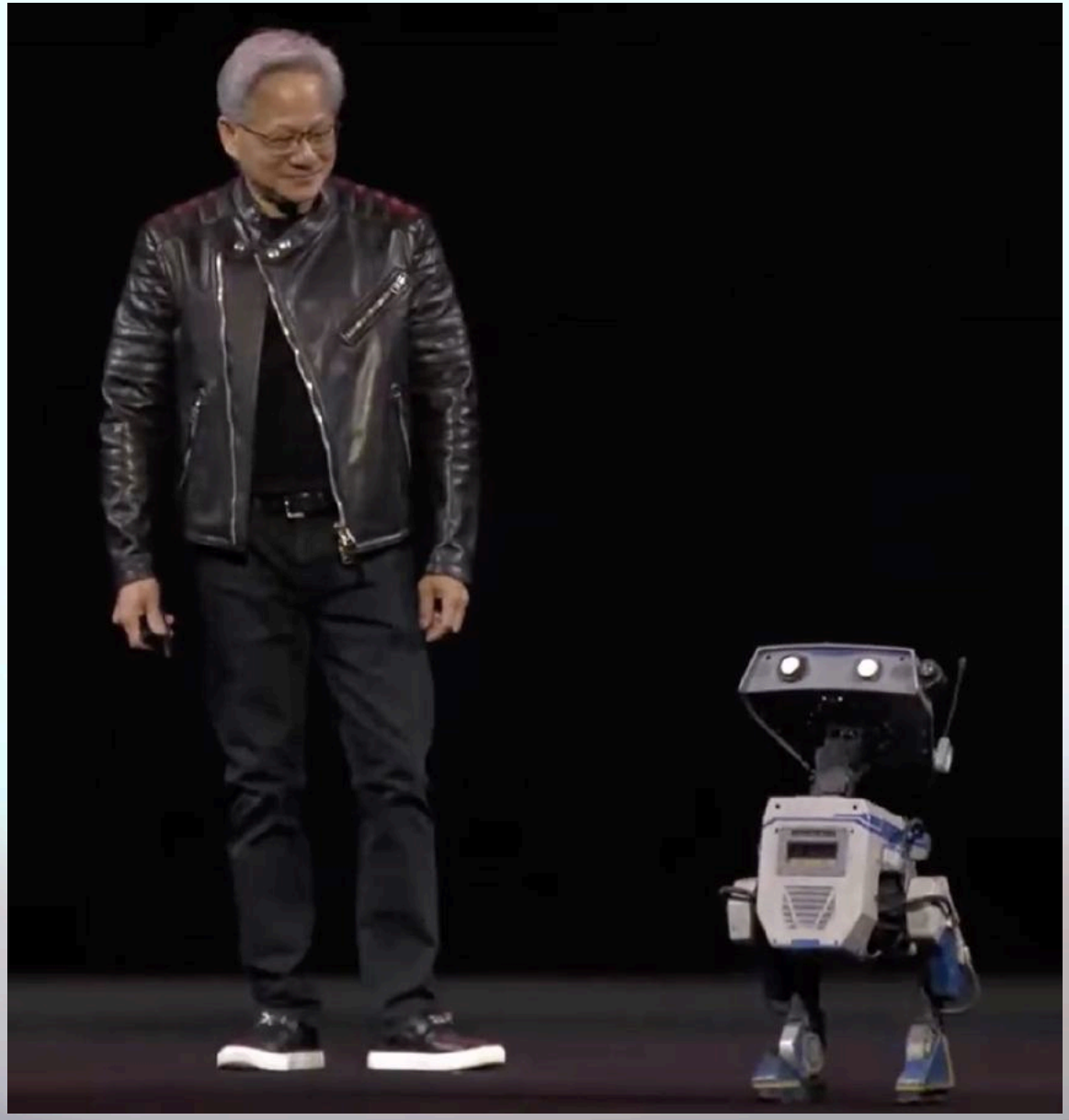
https://www.youtube.com/watch?v=o0AlNLloC8A

September 2023, San Francisco


WE'RE
OPEN!

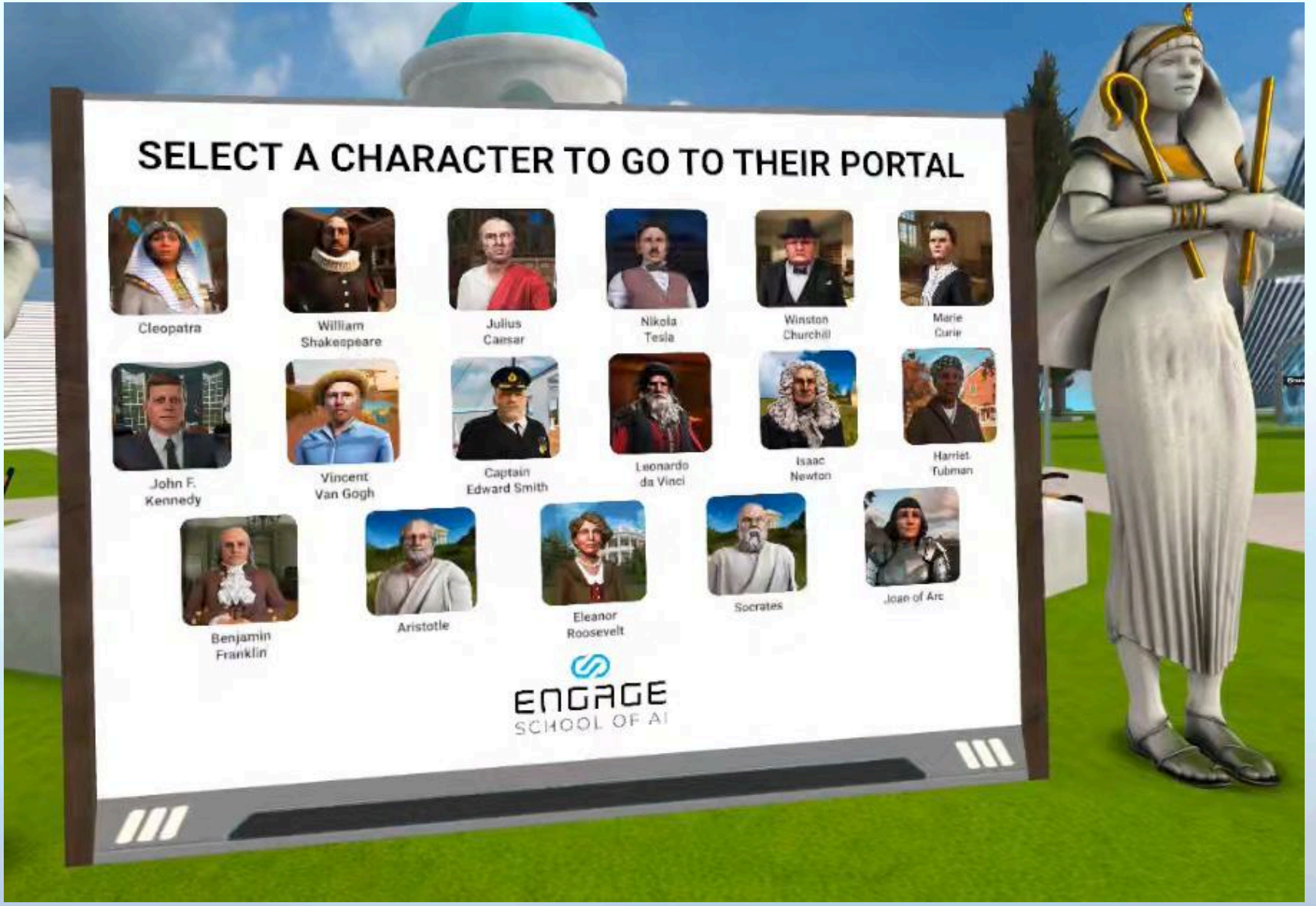
Zitat von Jen-Hsun Huang (CEO von NVIDIA)

"Als wir begannen Computer zu nutzen mussten wir erst herausfinden für was wir sie verwenden können. Die KI kann uns selbst mitteilen für was wir sie verwenden können."



Steve Jobs 1985!!!

Plattform Engage
https://engagevr.io/


SELECT A CHARACTER TO GO TO THEIR PORTAL
Cleopatra
William Shakespeare
Julius Caesar
Nikola Tesla
Winston Churchill
Marie Curie
John F. Kennedy
Vincent Van Gogh
Captain Edward Smith
Leonardo da Vinci
Isaac Newton
Harriet Tubman
Benjamin Franklin
Aristotle
Eleanor Roosevelt
Socrates
Joan of Arc
ENGAGE
SCHOOL OF AI

Idle
AI
Marie
Curie

Geplant: Apple Vision Pro

- Personen erstellen ihre Avatare z. B. Tony Robbins
- Kommunikation in fast allen Sprachen
- Avatare, um Sprachen zu lernen

- Experten für jeden Zweck in KI (ChatGPT) einsetzen, z. B. im Labor

- Headsets viel zu schwer, zu teuer etc.

XREAL One Pro
AR for ALL

Meta Ray Ban

https://www.meta.com/de/en/ai-glasses/

Clear all

Sort by Featured

Frame style

- Wayfarer
- Headliner
- Skyler

Lens type

- Clear with blue-violet light filter
- Transitions®
- Sun
- Polarised

Frame colour

- Black

Wayfarer
Clear to Graphite Green Transitions®
€409

New

Skyler
Clear
€329

New

Skyler
Clear to Sapphire Transitions®
€409

New

Back to San Francisco! (American Chemical Society)

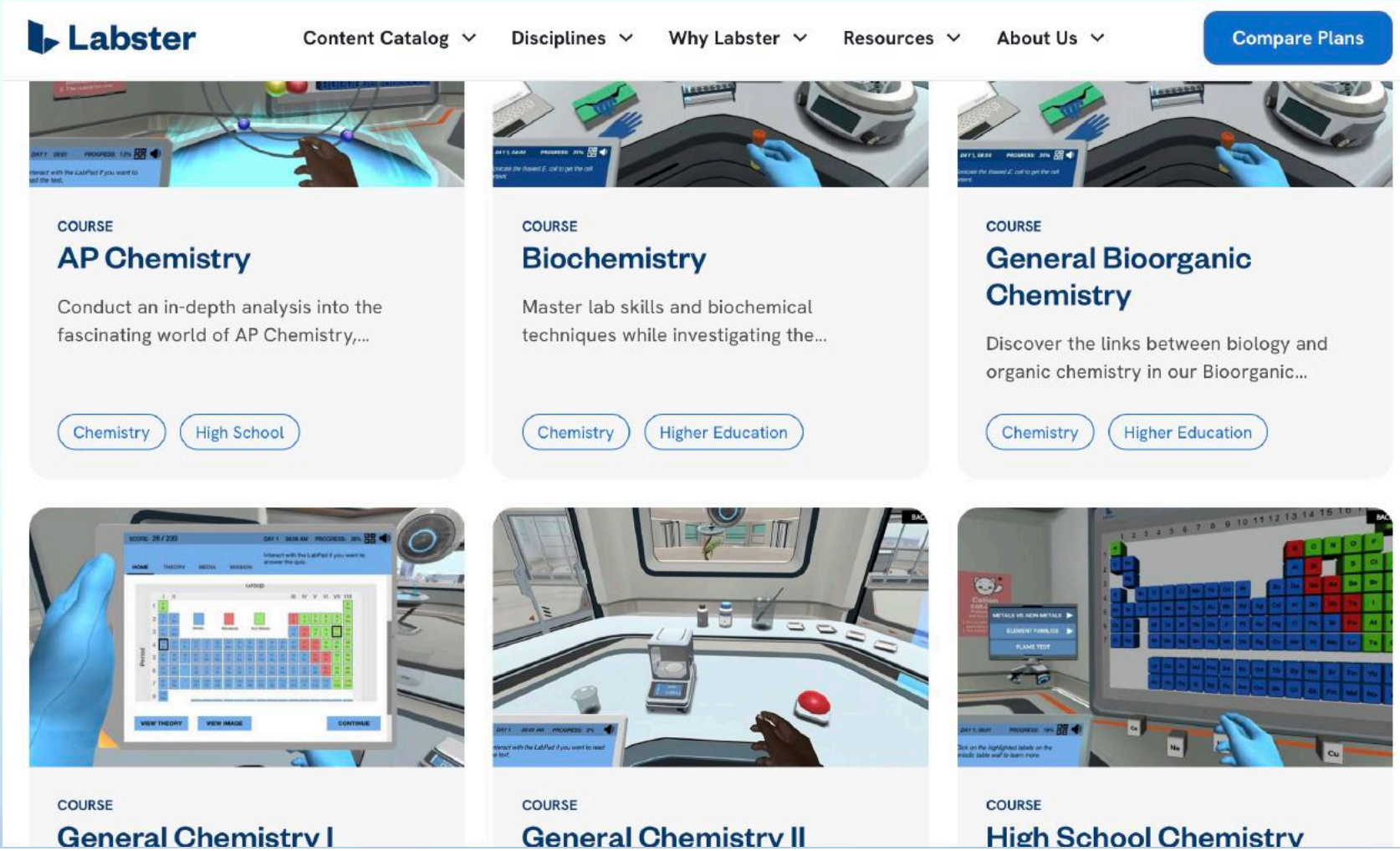
Arbeit im Labor

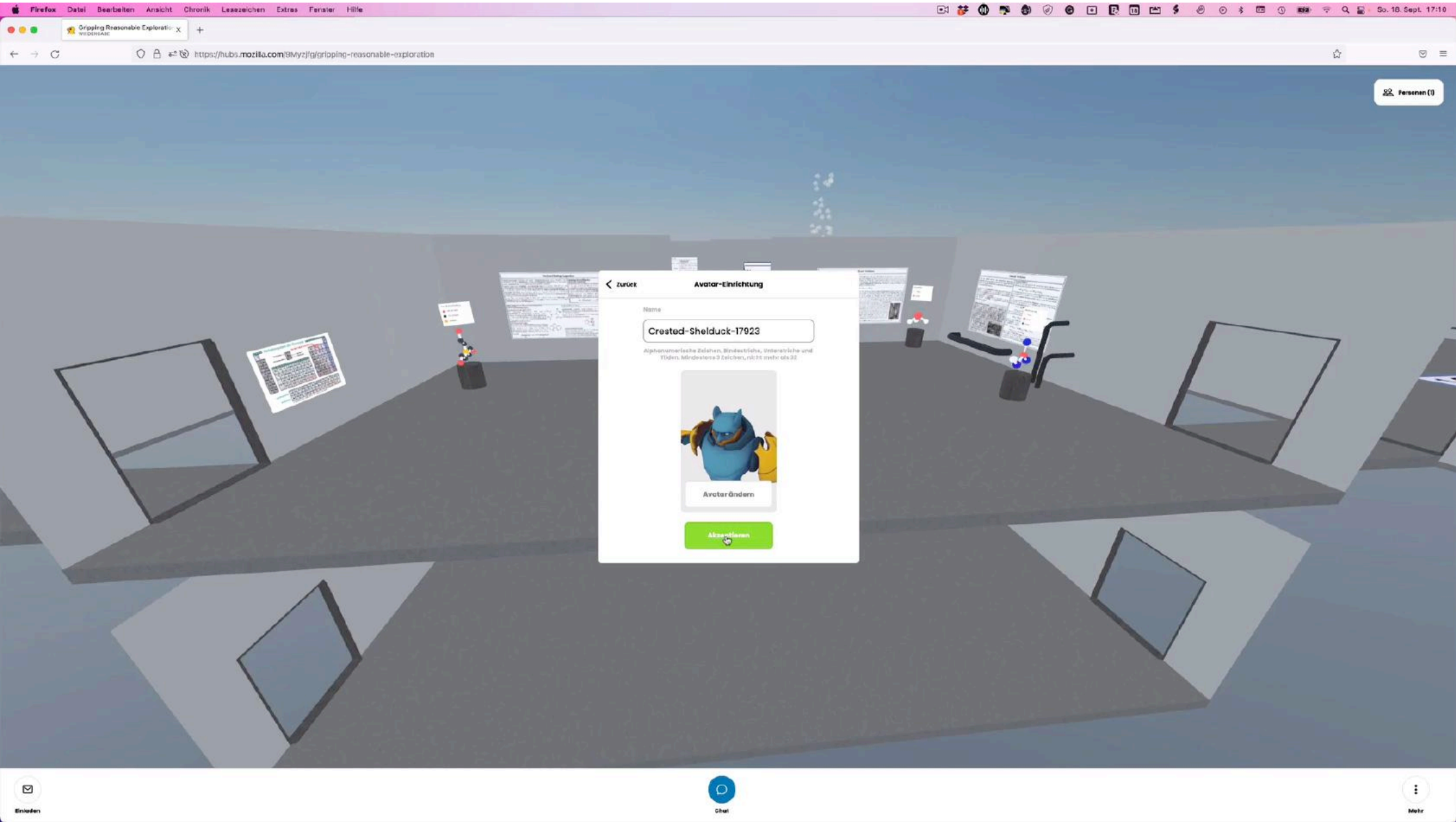
- Hilfe beim Durchgehen von Publikationen (Zusammenfassungen, Versuchsbeschreibungen etc.)
- Unterstützung beim Schreiben von Reports (Bachelor- und Master-Arbeiten), Literatur und Literaturverzeichnisse, klarere Darstellung .....
- Hilfe bei Präsentationen
- KI überprüft Sicherheitsaspekte
- In der Medizin (Fallbeispiele)

Frust!!!

Leider:

- Labster
- Mozialla Hubs
- Spatial
- ....



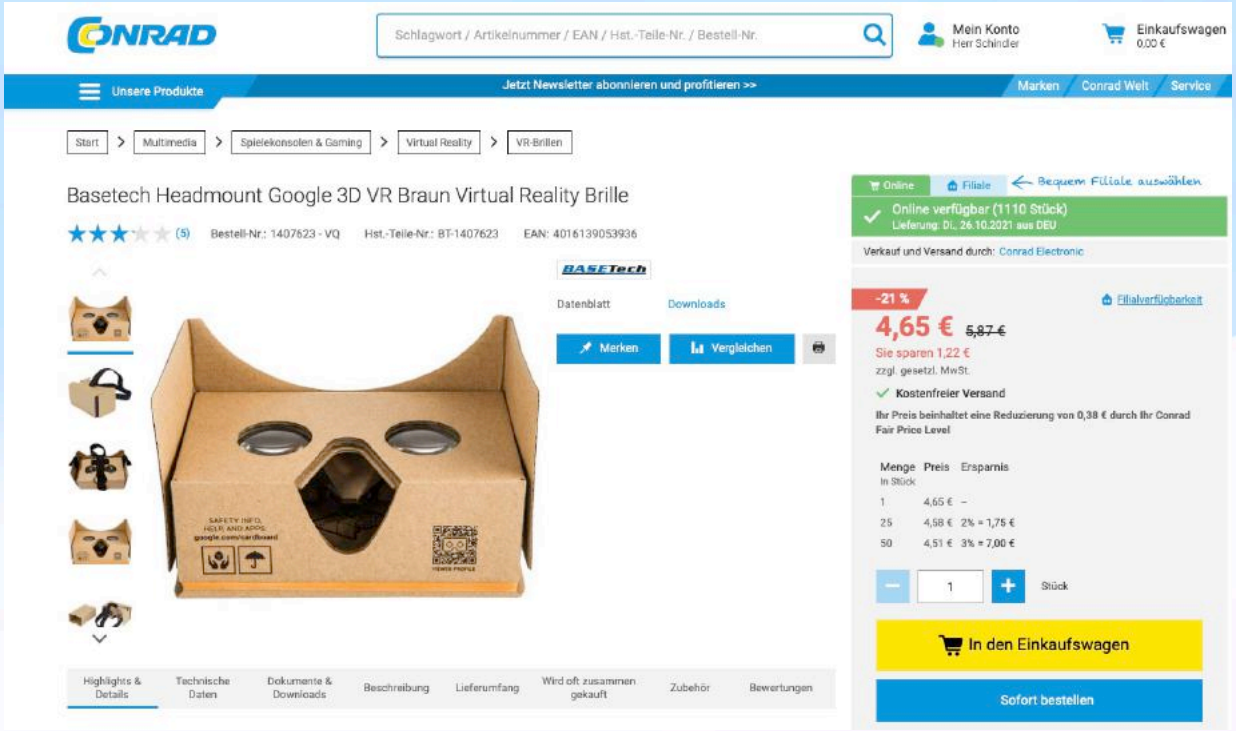

Firefox Datei Bearbeiten Ansicht Chronik Lesezeichen Extras Fenster Hilfe
So. 18. Sept. 17:10
Gripping Reasonable Exploratio
https://hubs.mozilla.com/8Myzjfg/gripping-reasonable-exploration
Personen (1)
zurück
Avatar-Einrichtung
Name
Crested-Shelduck-17923
Avatar ändern
Einladen
Chat
Mehr

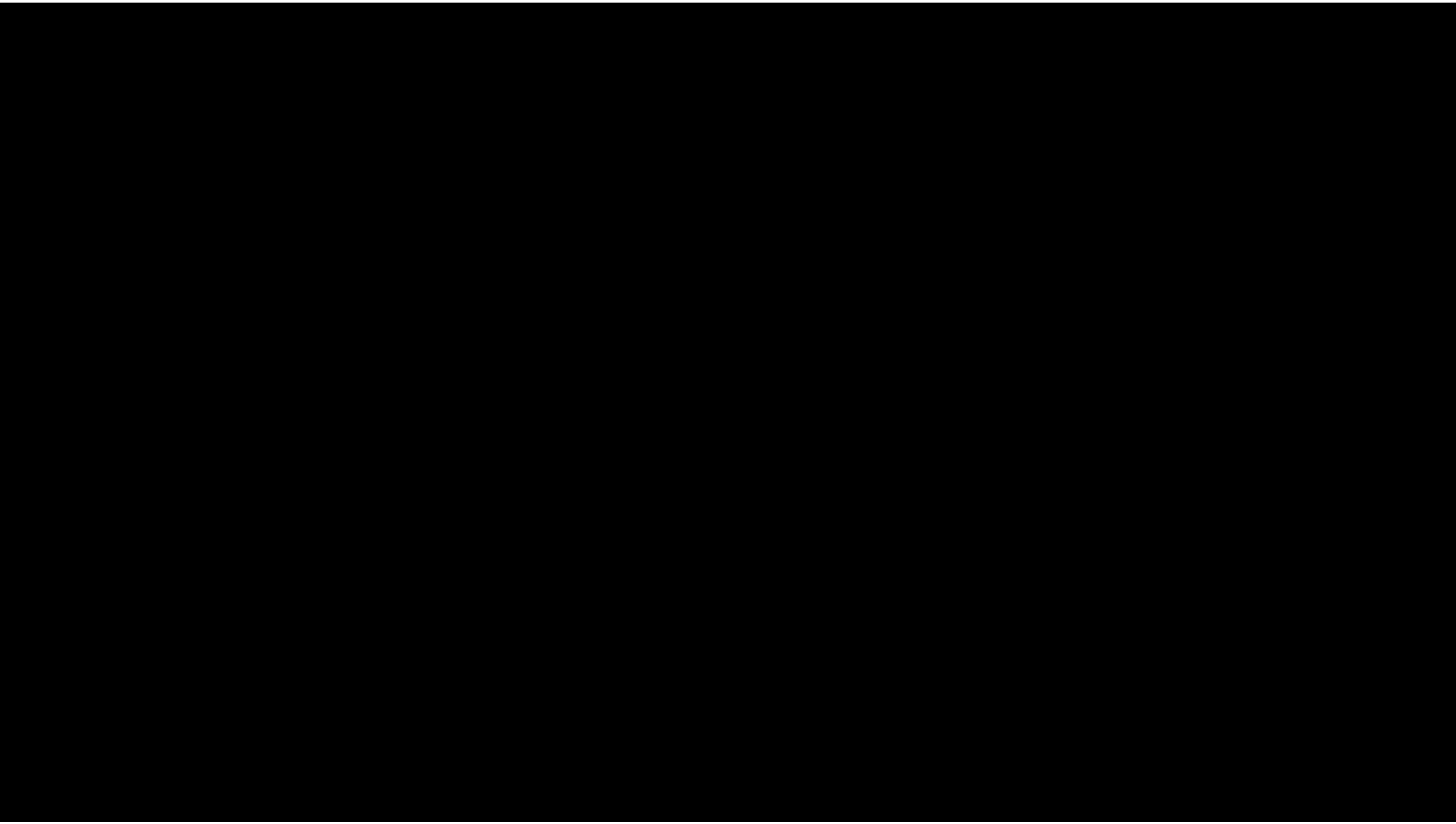
1:1

"Cheap Experience"

Virtual Reality

- Google Cardboard
- 360 °Videos
- Mel Chemistry VR
- Wonda

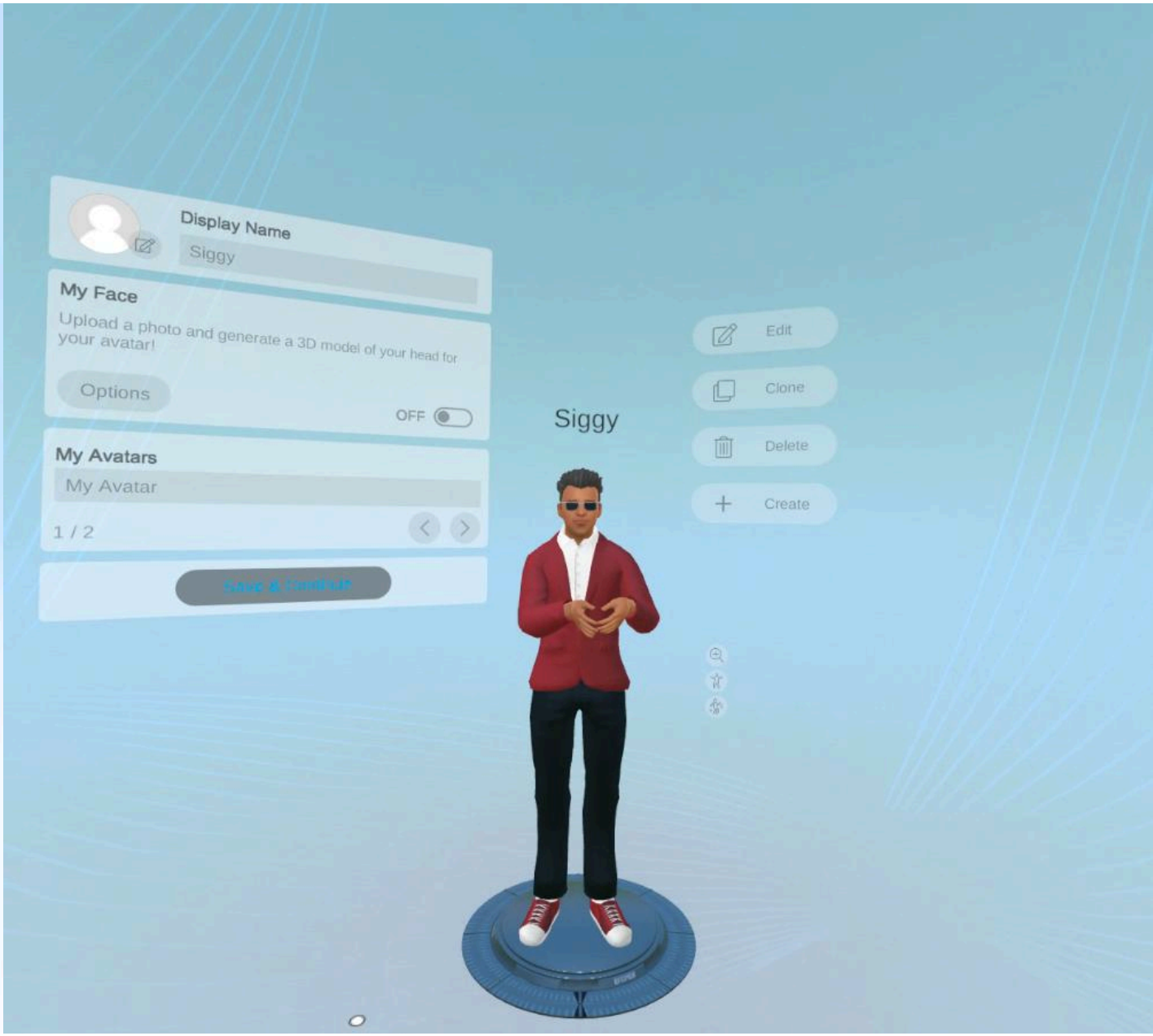




Vorlesungen/Seminare

018
019

Engage


Display Name
Siggy
My Face
Upload a photo and generate a 3D model of your head for your avatar!
Options
OFF
My Avatars
My Avatar
1 / 2
Siggy
Edit
Clone
Delete
Create

Programme

- Blender
- Create 3D Objects in VR
- Buy 3D objects (also free 3D objects available)

- Unity
- Unreal Engine

Augmented Reality

Virtuali-Tee

JigSpace

Let's make a Jig together!

How about making a drone take off?
Tap the image to get started.

JigSpace: The Basics

Team objects | Free objects | Room scan

Search objects

Share

- All objects
- CAD Samples
- Effects
- Shapes & Symbols
- Buttons
- Frames
- Tools
- ISO Symbols
- Manufacturing
- Transport
- Biology
- Chemistry
- IT (Information technology)
- Inventions
- History
- Space

Ammonia Molecule

Beaker

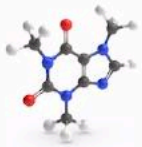
Beaker (Flat)

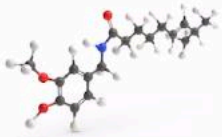
Beaker (Tall)

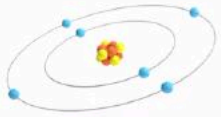
Beaker Tongs

Bunsen Burner

Bunsen Burner Flame


Caffeine Molecule

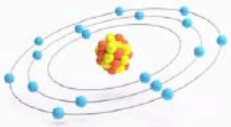

Capsaicin Molecule

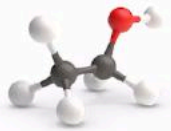

Carbon

Chemistry Clamp

Chemistry Ring

Chemistry Stand


Chlorine


Ethanol Molecule

Evaporating Dish

Import CAD file

Praxis!