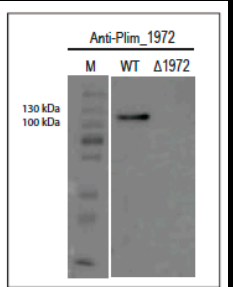
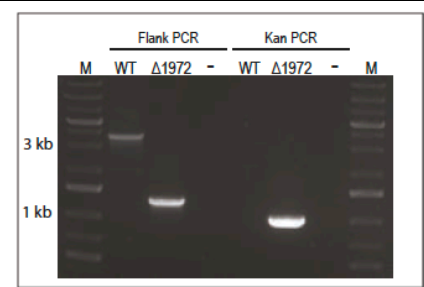
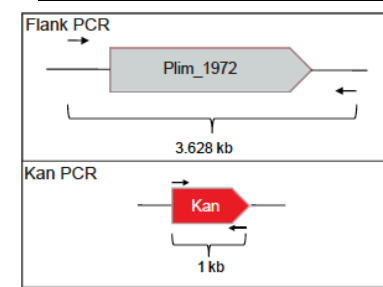
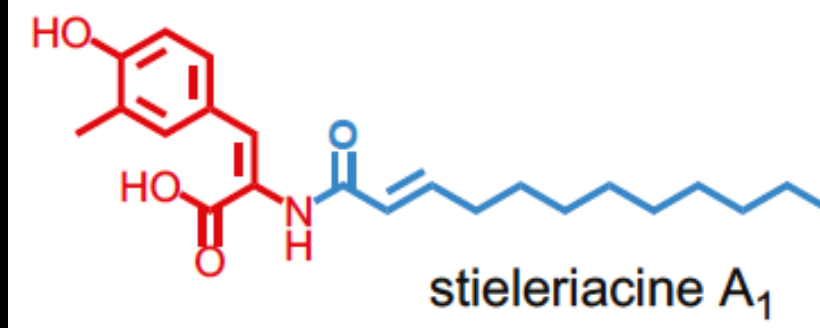
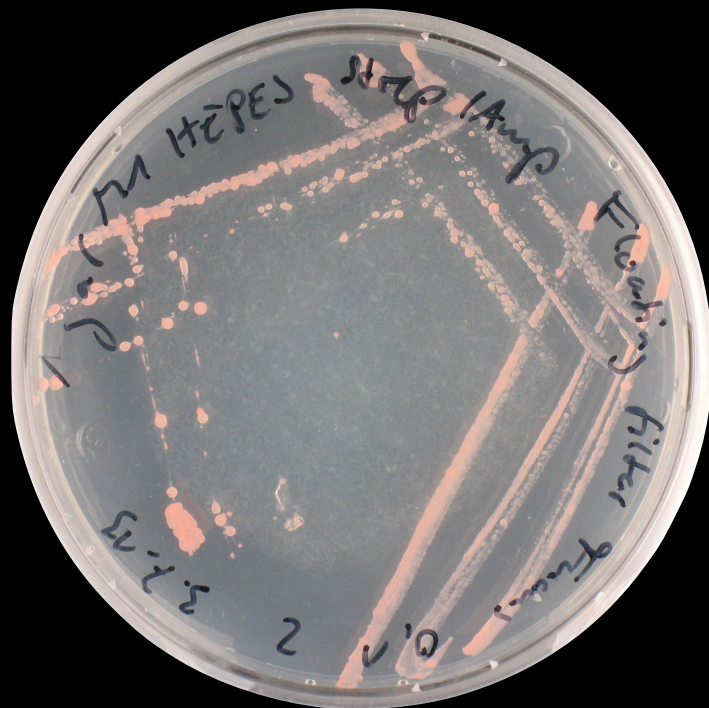
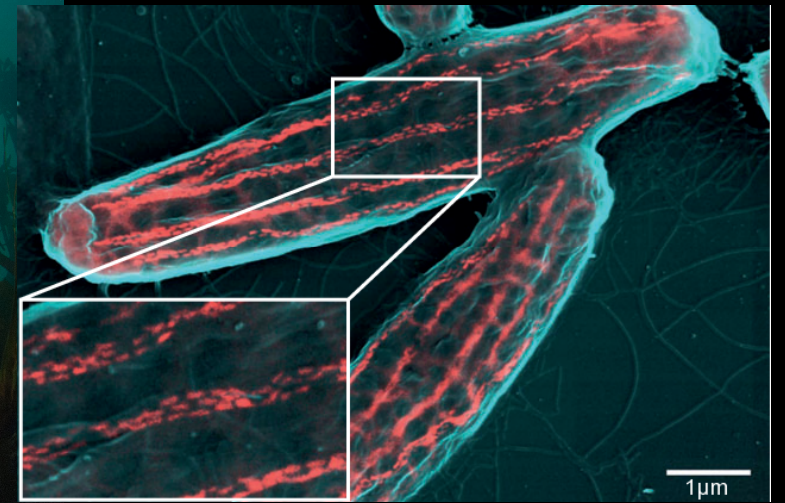
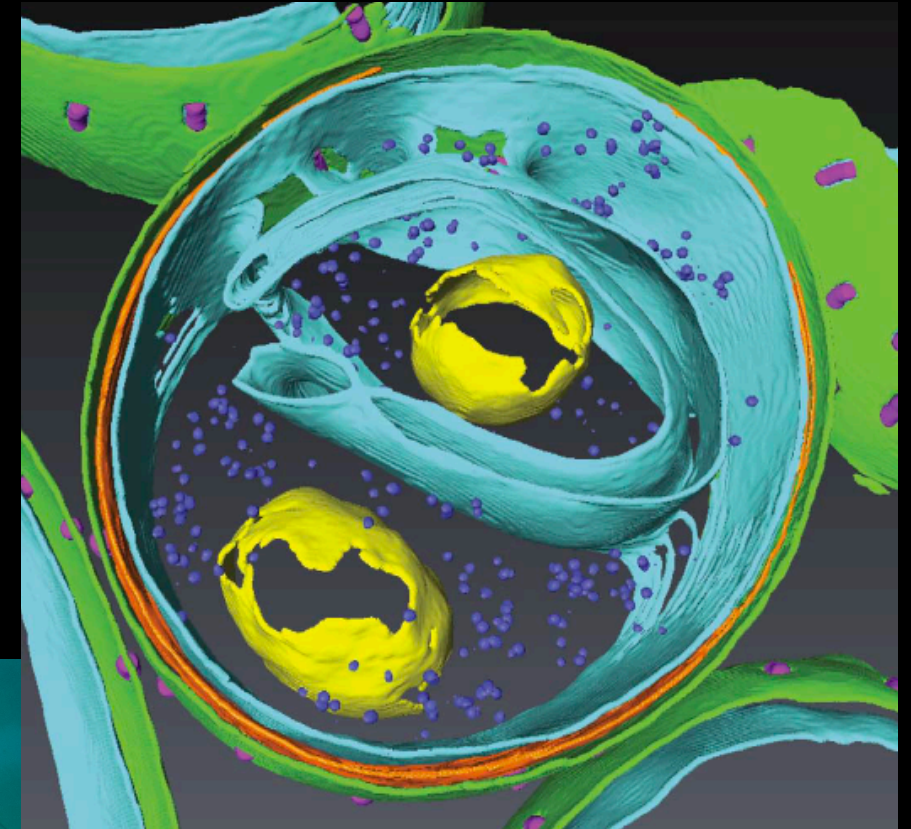


Jogler Lab: Microbial Interactions



Towards a paper less workflow

Harvard Medical School 2010:

Electronic Lab Notebook

Digital whiteboard

paperless workflow



Why ELN?

Electronic Lab Notebook

24

21.11.14

16S PCR

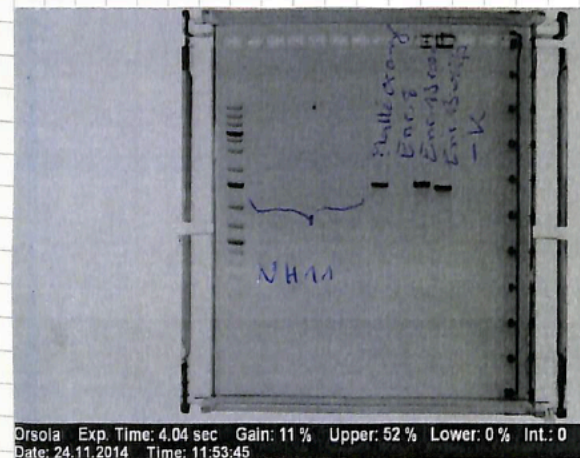
Proben Temp. Opt 10+11

3, 4, 6, 9, 15, 24

Hallosca orange, Enrichment 8, Enrichment 13 rosen,
Enrichment 13 weiß

10H11 Proben 7 und 10¹¹ cycles

restliche Proben 10 und 20 cycles



24.11.14

Wiederholung 16S PCR

10H11 Proben low cycle, 4 between and 4 High cycle

Enrichment 8, ~~Strecs Ribaltica, Hallosca weiß~~

Why ELN?

- transportable
- full text search
- easy import of images ect.
- less prone to manipulation
- readable

Which ELN?

- German data protection
- easy use
- professional solution
- option for scale up
- template and SOP integration

Labfolder



Patrick Rast

Entry 7/11: *No entry title yet*
in Project: PCR Patrick

created: 01.07.2016
modified: 18.07.2016

No tags associated



16S PCR Taq 30.06.16

mid cycle (21 cycles in total)

Samples:

- 1) KOR42 liquid
- 2) CA85 3. gen liquid
- 3) CA33 plate
- 4) CA54 liquid
- 5) KS4 liquid
- 6) HG15A2 extraction preculture
- 7) FF011L extraction preculture
- 8) Pla139rosa
- 9) Enr17
- 10) Pla138
- 11) Poly41 Temp
- 12) CA59a plate
- 13) pCJ 0260 gDNA
- 14) negative control (PCR H2O)

01.07.16

Agarose Gel 1%:

All samples except for 1-3, 8 and 9 yielded expected bands and can

16_07_01_16S_anjapatrik_midcycle.jpg



[+ add comment](#)



Labfolder: drawbacks

- big data integration
- ownership issue
- no wiki integration
- not yet ‚Apple like‘
- costly

Labfolder: who is using it?

- Max-Planck
- Helmholtz
- e.g. TiHo Hannover

Dr. Schubert and Dr. Schwartze:

ELN implementation in teaching

Towards a paper less workflow



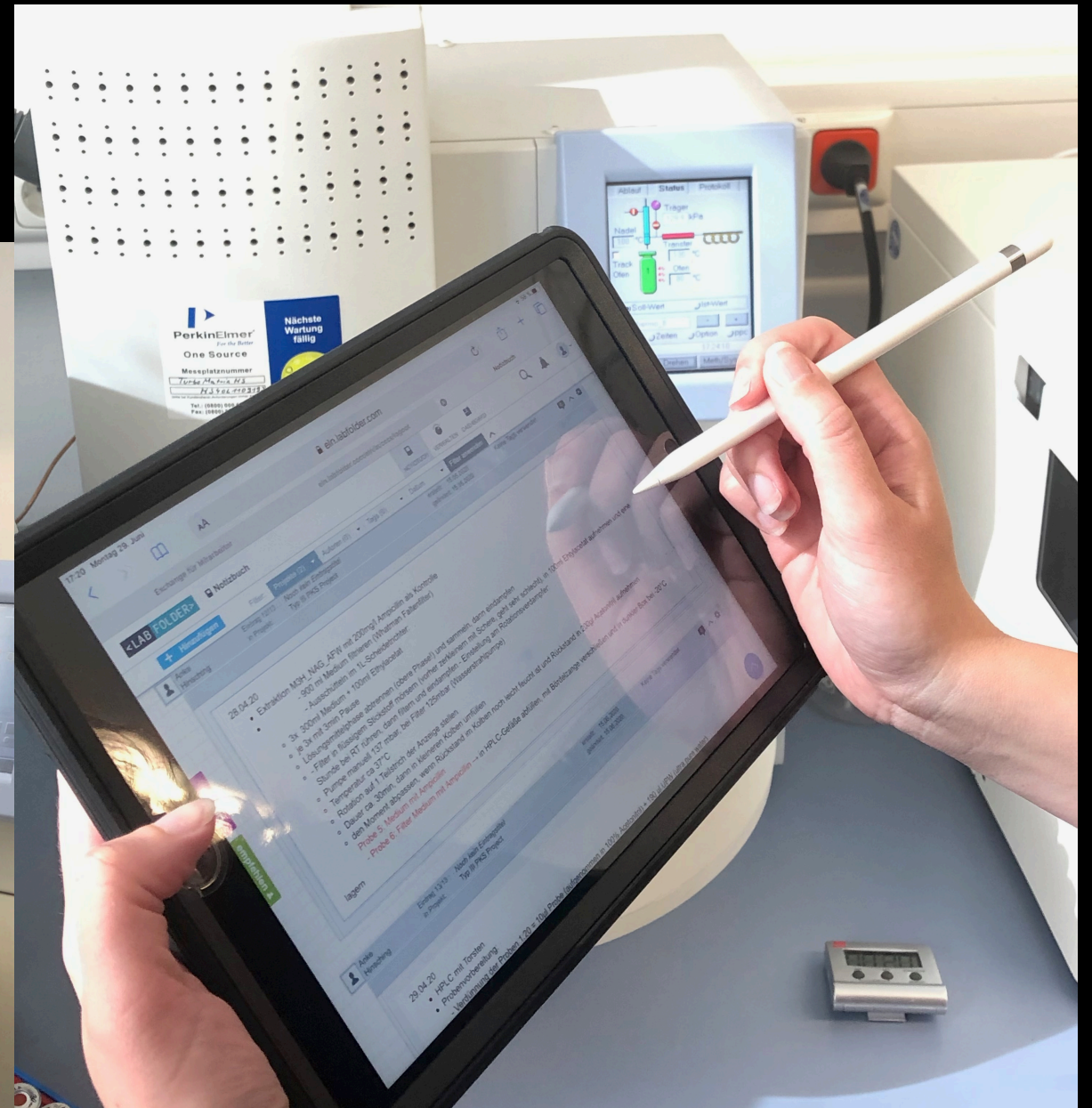
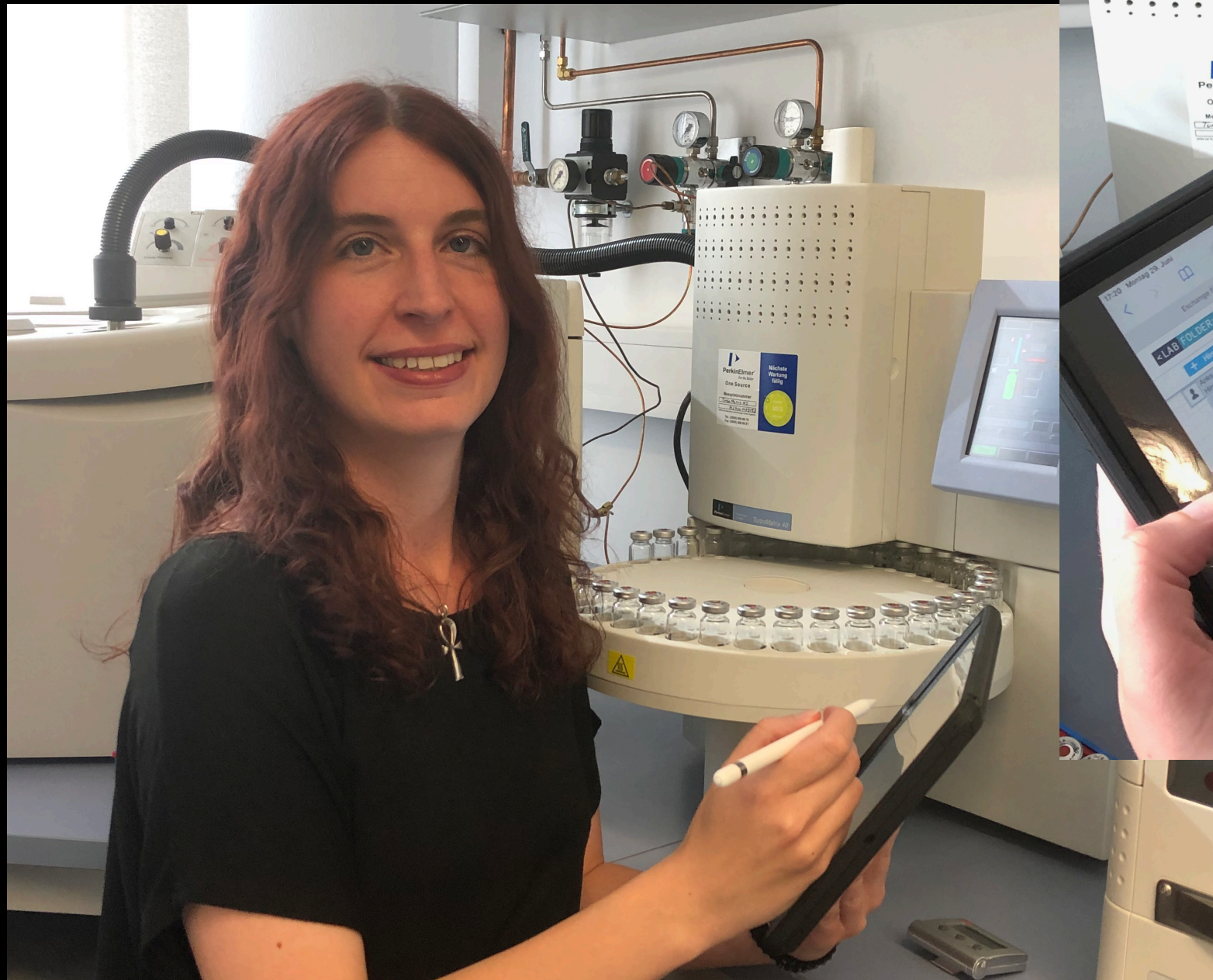
paperless office

Towards a paper less workflow

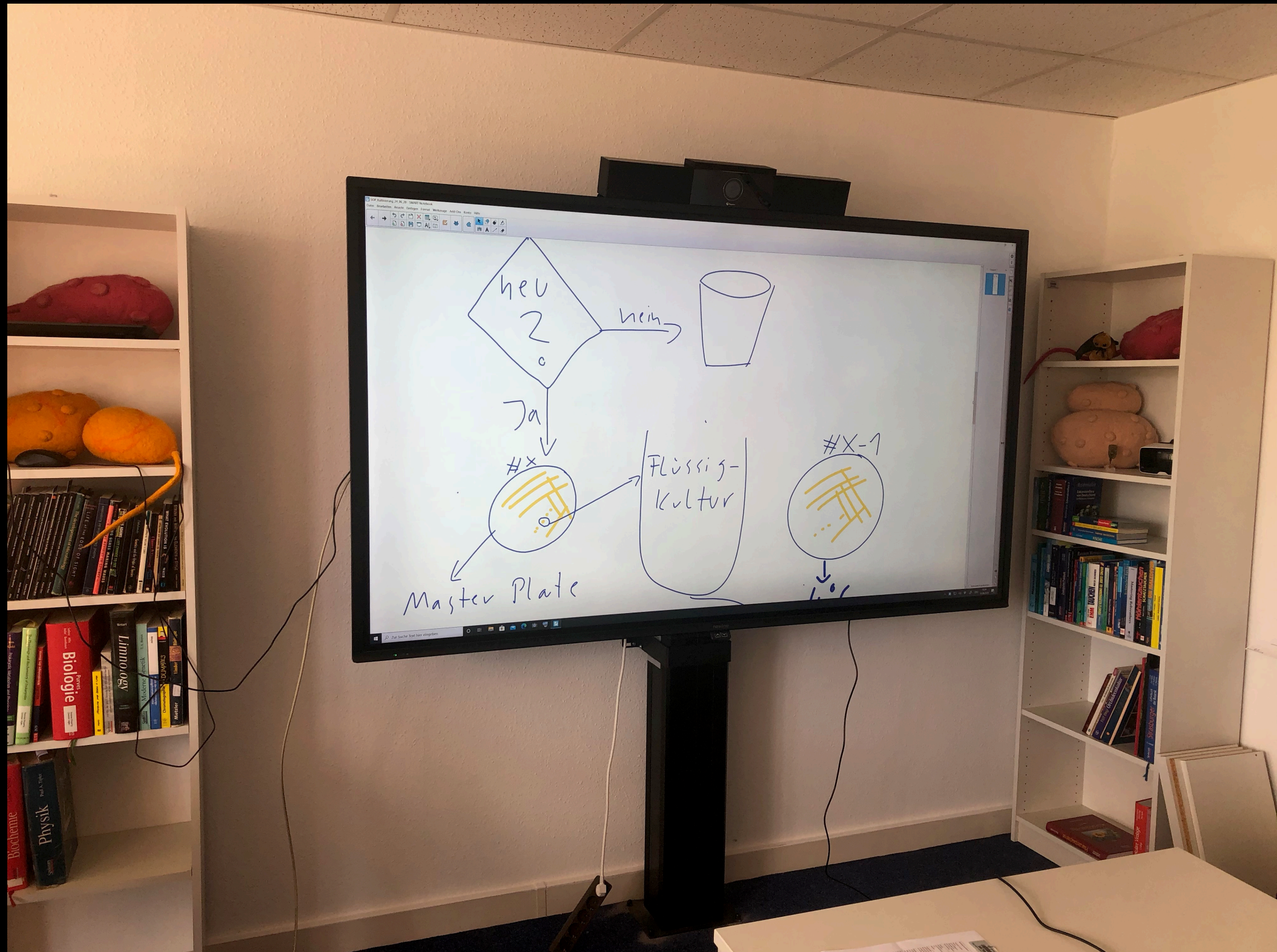


do not underestimate costs

Towards a paper less workflow



Towards a paper less workflow



Towards a paper less workflow



no dogmatic solution

Fair Data

the impact issue

nature
microbiology

ARTICLES

<https://doi.org/10.1038/s41564-019-0588-1>

Cultivation and functional characterization of 79 planctomycetes uncovers their unique biology

Sandra Wiegand¹, Mareike Jogler², Christian Boedeker², Daniela Pinto³, John Vollmers⁴, Elena Rivas-Marín⁵, Timo Kohn¹, Stijn H. Peeters¹, Anja Heuer², Patrick Rast², Sonja Oberbeckmann⁶, Boyke Bunk², Olga Jeske², Anke Meyerdierks⁷, Julia E. Storesund⁸, Nicolai Kallscheuer¹, Sebastian Lücker¹, Olga M. Lage⁹, Thomas Pohl¹⁰, Broder J. Merkel¹⁰, Peter Hornburger², Ralph-Walter Müller¹¹, Franz Brümmer¹¹, Matthias Labrenz⁶, Alfred M. Spormann¹², Huub J. M. Op den Camp¹, Jörg Overmann², Rudolf Amann⁷, Mike S. M. Jetten¹, Thorsten Mascher³, Marnix H. Medema¹³, Damien P. Devos⁵, Anne-Kristin Kaster⁴, Lise Øvreås⁸, Manfred Rohde¹⁴, Michael Y. Galperin¹⁵ and Christian Jogler^{1,16*}


COMMUNICATIONS
BIOLOGY

ARTICLE

<https://doi.org/10.1038/s42003-020-0993-2>

OPEN

 Check for updates

The planctomycete *Stieleria maiorica* Mal15^T employs stieleriacines to alter the species composition in marine biofilms

Nicolai Kallscheuer^{1,9}, Olga Jeske^{1,2,9}, Birthe Sandargo^{3,4,9}, Christian Boedeker², Sandra Wiegand^{1,5}, Pascal Bartling², Mareike Jogler², Manfred Rohde⁶, Jörn Petersen², Marnix H. Medema⁷, Frank Surup^{3,4} & Christian Jogler^{1,8}

Jogler Lab: Microbial Interactions

