

Shorten the ADC Design Journey

How to Make an ADC Signal Chain Immune to Interference. Download Your Article Here Now.

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Dr John B.

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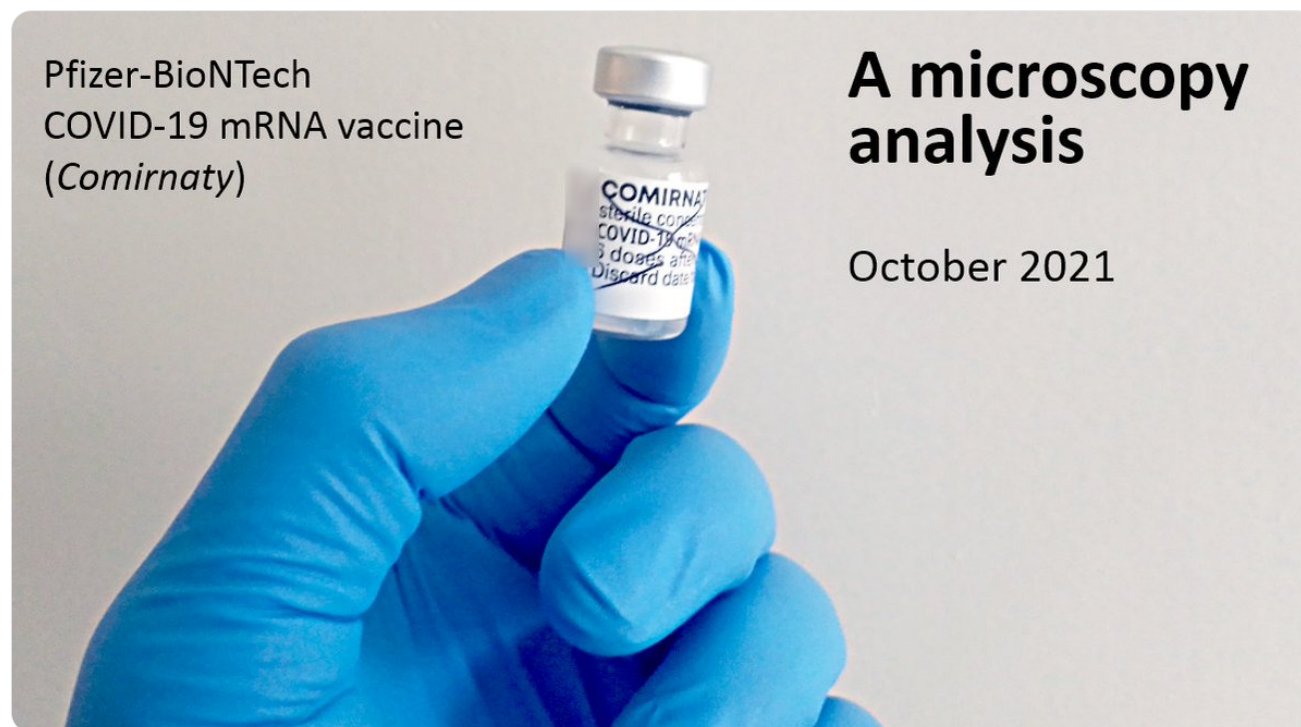
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(1/n) A microscopy analysis of a Pfizer-BioNTech [#Covidvaccine](#) sample.

The analysis was performed with bright field and phase contrast microscopy and applying rigorous scientific and hygiene standards.

Two samples were analyzed from the same vial.

These are the results:



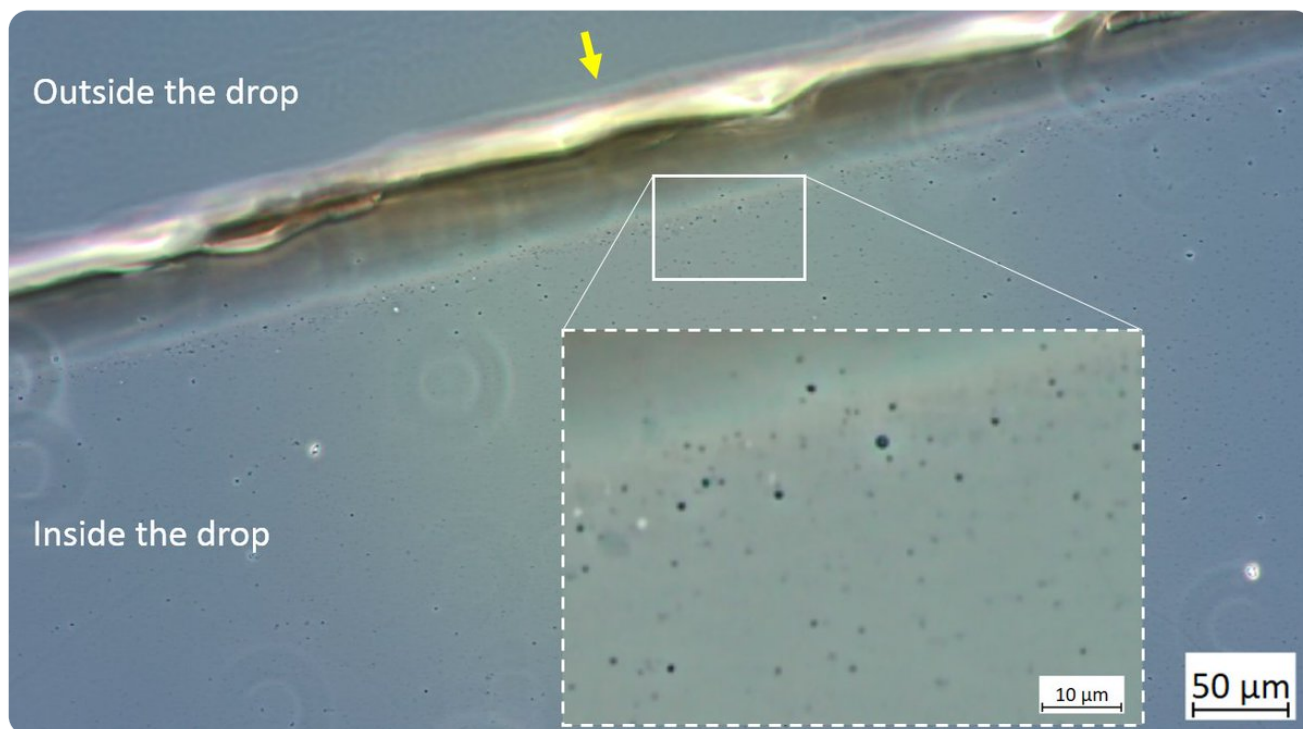
(2/n) Focusing on the border of the drop (yellow arrow) reveals tiny particles of different sizes and light refraction properties:



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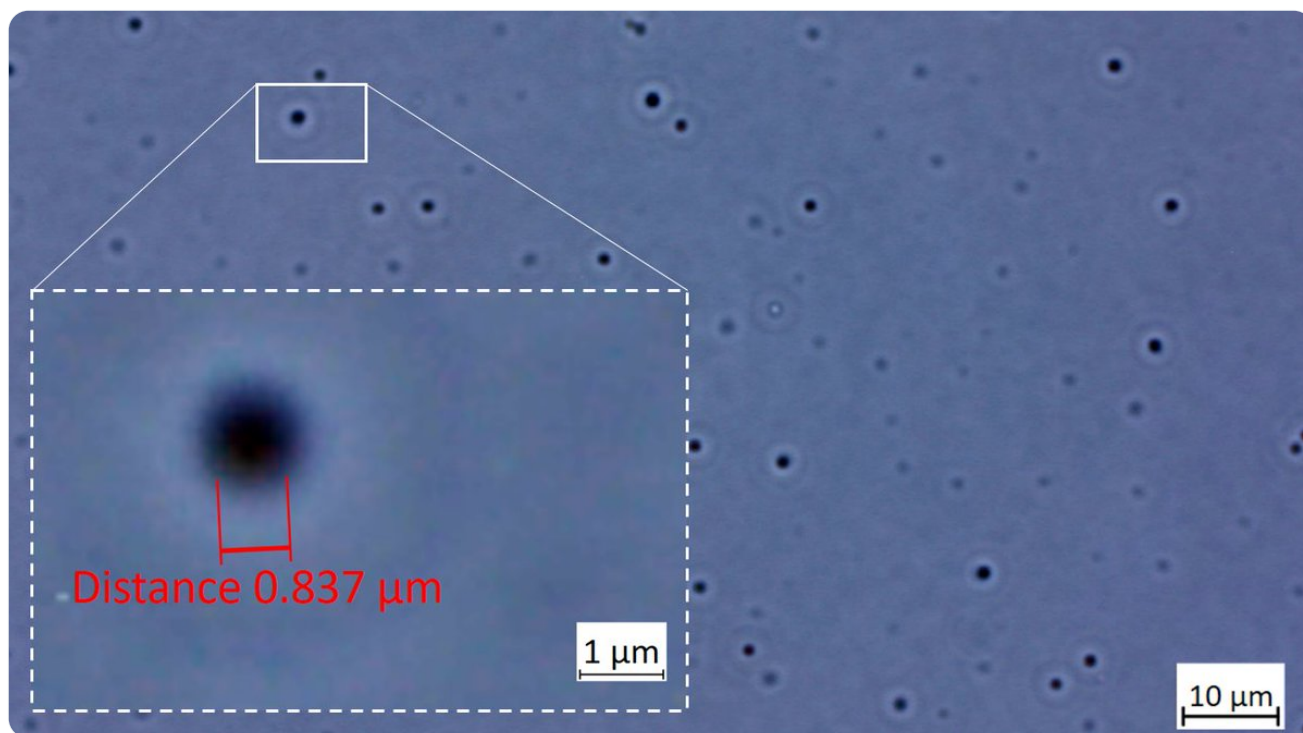
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(3/n) Zooming in, the larger particles were found to have a diameter of about 1 μm .

For comparison: Diameter of a human hair: 70-90 μm ([link.springer.com/article/10.1684...](https://link.springer.com/article/10.1684/ejd.2015.2726)), human red blood cell: 8 μm ([sciencedirect.com/science/articl...](https://www.sciencedirect.com/science/article/pii/S0022509603001595)), SARS-CoV-2: 90-100 nm ([nature.com/articles/s4159...](https://www.nature.com/articles/s41598-020-19111-4))



Mechanics of the human red blood cell deformed by optical tweezers

The mechanical deformation characteristics of living cells are known to influence strongly their chemical and biological functions and the onset, prog...

<https://www.sciencedirect.com/science/article/pii/S0022509603001595>



Diversity in human hair growth, diameter, colour and shape. An in vivo study on young adults from 24 different eth ...
Background Based on previous findings, from a worldwide study, classified the shapes of human hair into 8 major types, from straight to highly curly. This clearly extended the usual classification of ...

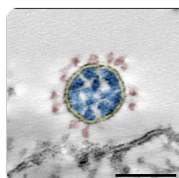
<https://link.springer.com/article/10.1684/ejd.2015.2726>



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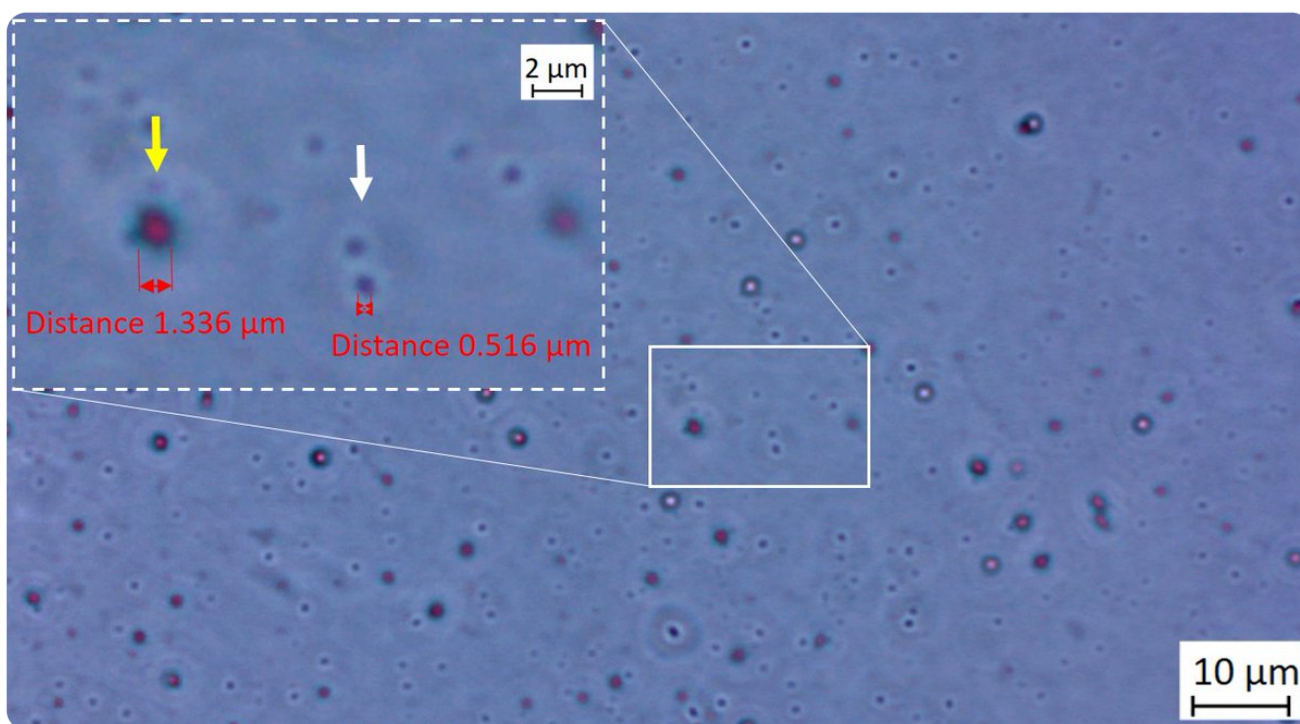
Morphometry of SARS-CoV and SARS-CoV-2 particles in ultrathin plastic sections of infected Vero cell cultures – Sc ...
<https://www.nature.com/articles/s41598-021-82852-7>

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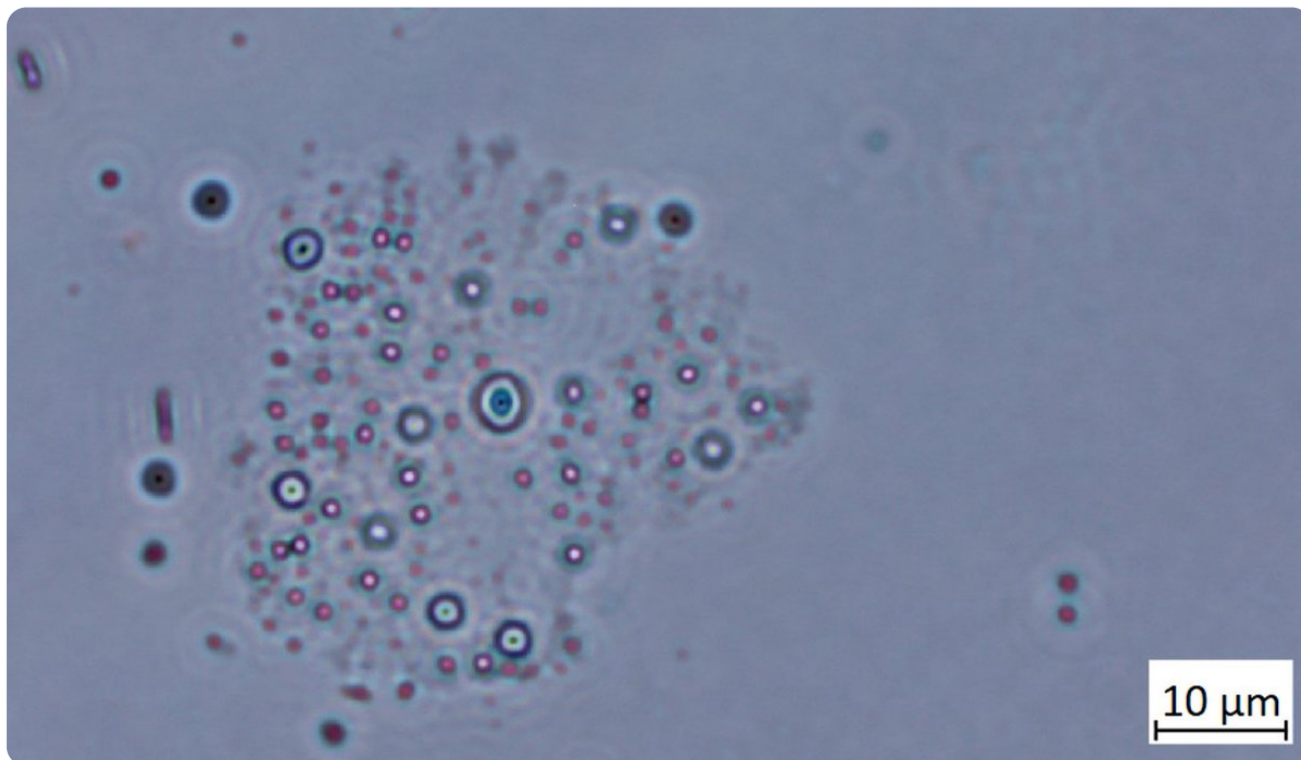
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(4/n) The smaller particles are about 0.5 μm (= 500 nm) in diameter:



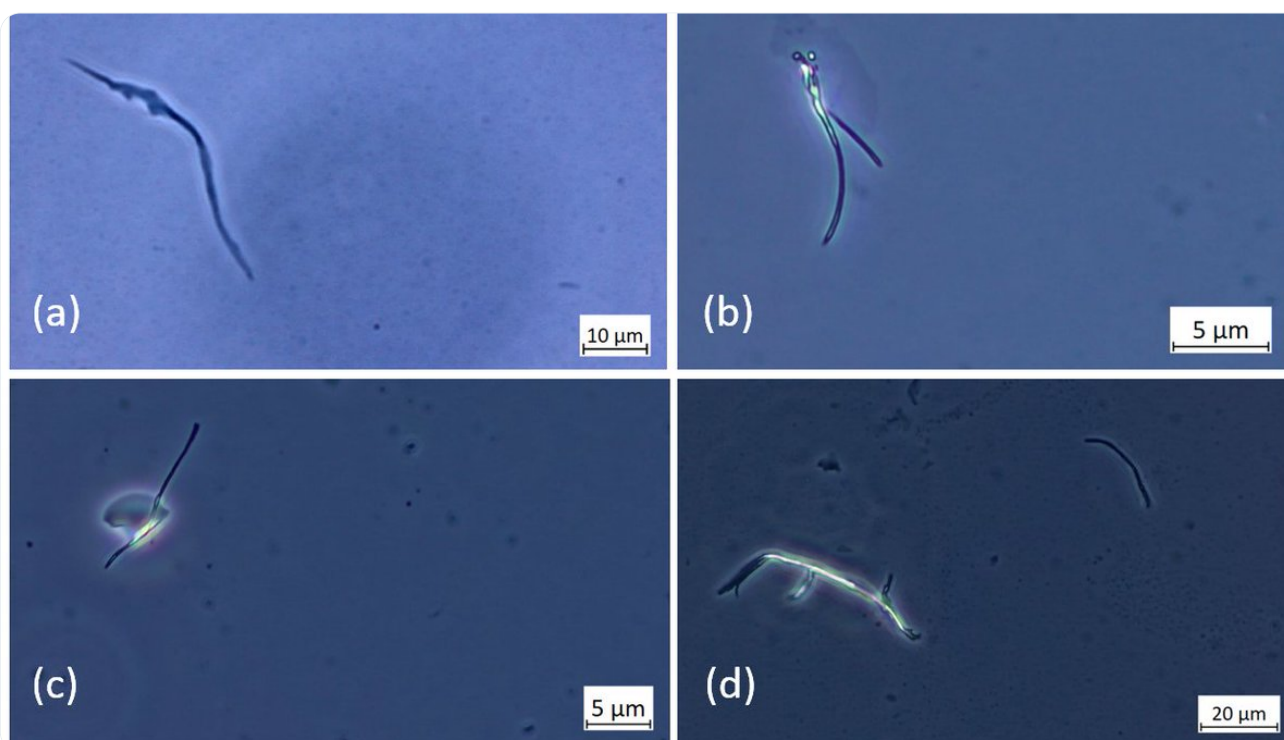
(5/n) Some particle aggregations were also visible in the liquid:

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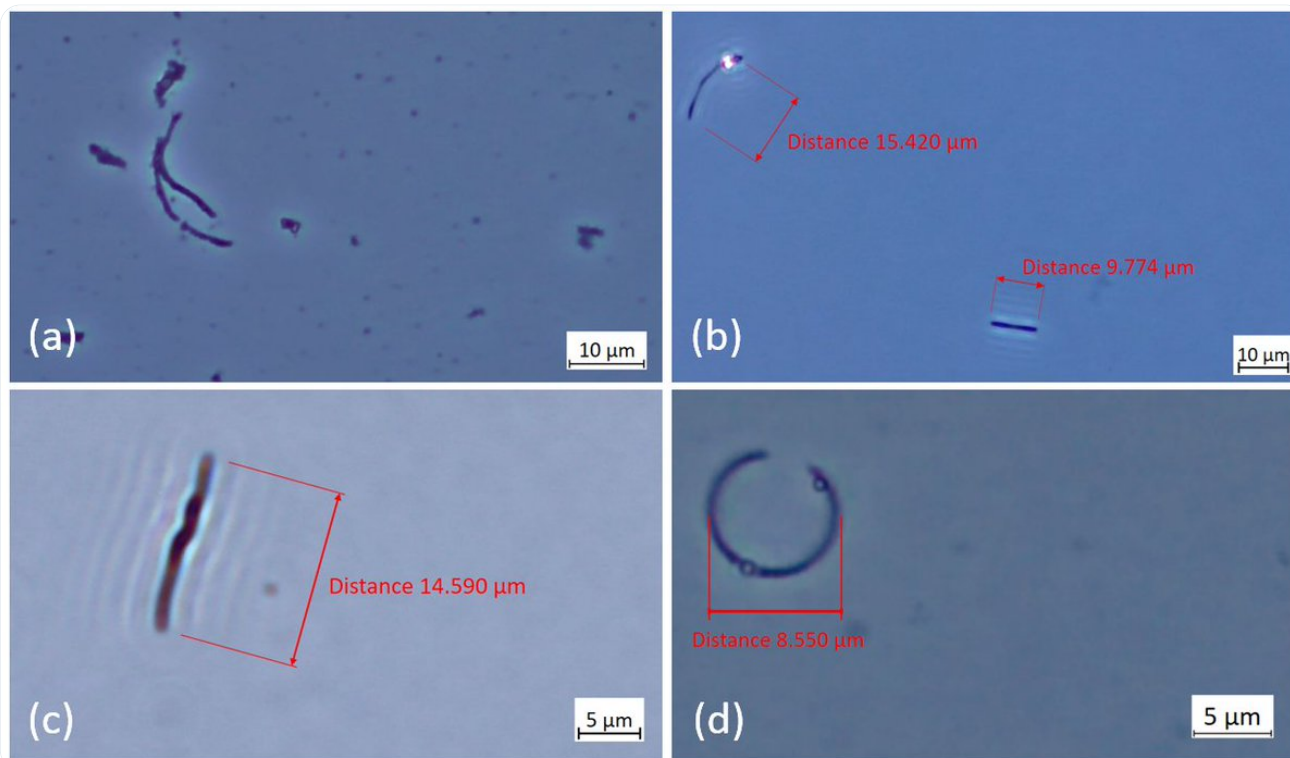


(6/n) Fiber-like structures can also be seen. Their diameter is in the nm-range. (Remember, a human hair has a diameter of about 70-90 μm).

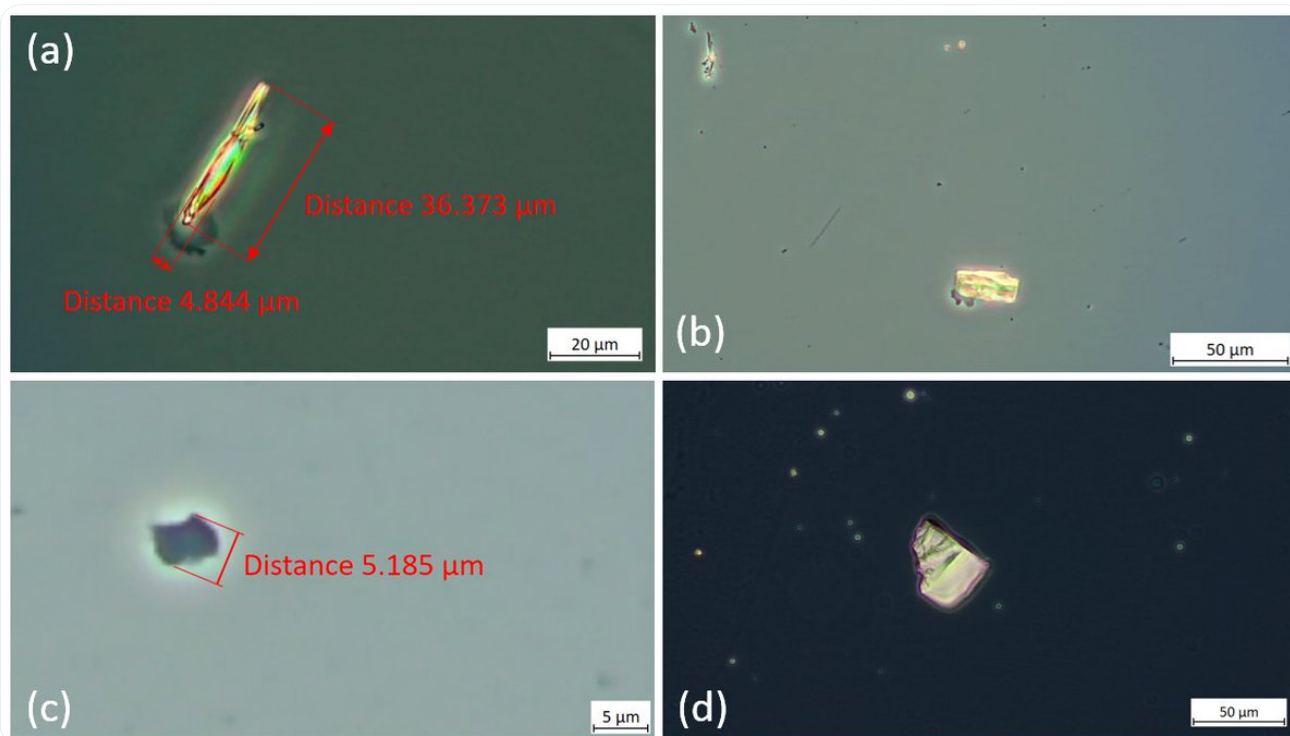
Some of them look like a continuous fiber (a, c), some have branches (b, d).



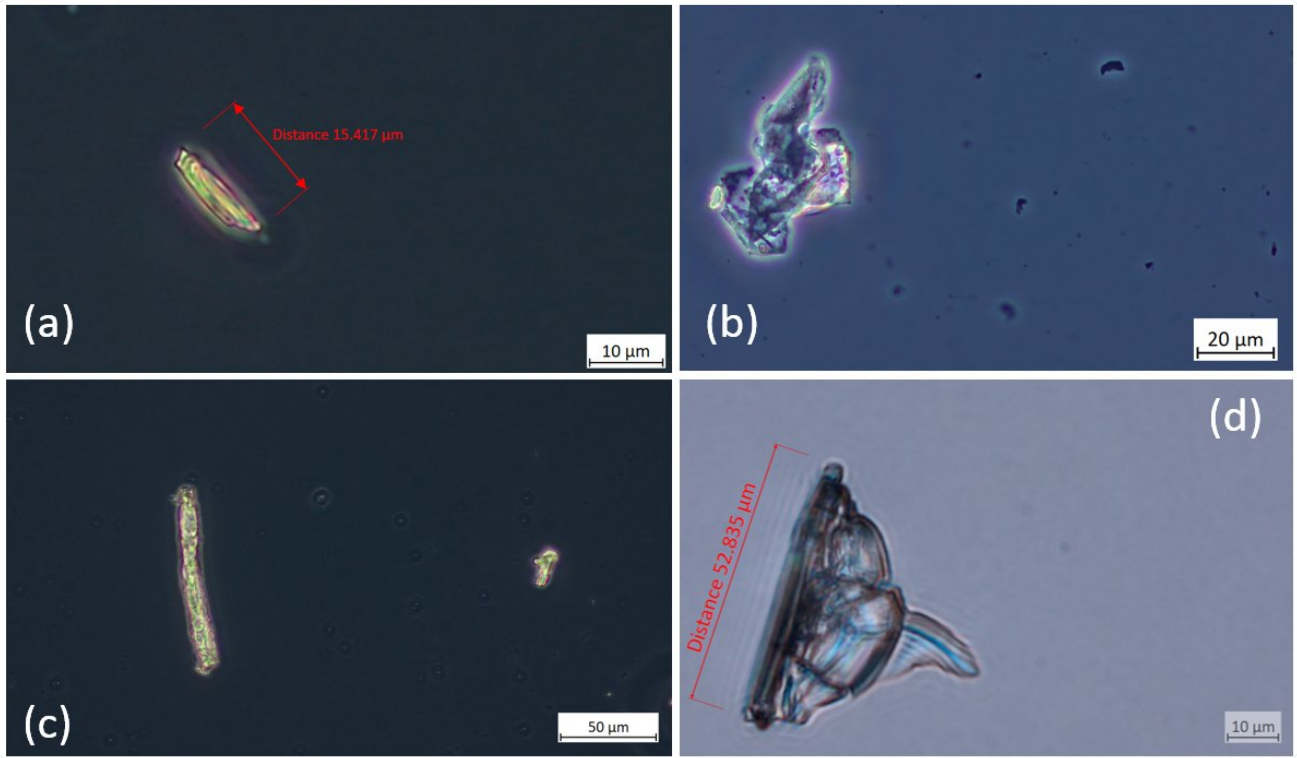
(7/n) More fiber-like structures. A ring-like structure was seen once (d).



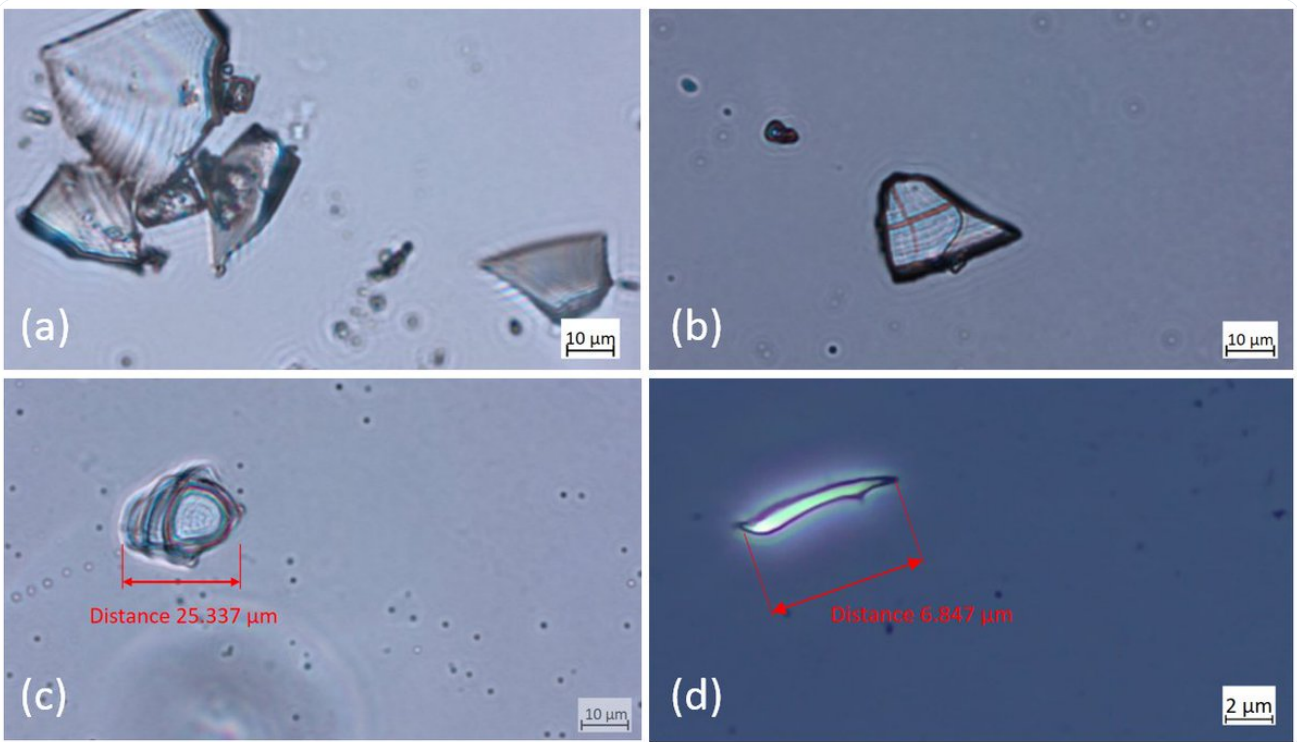
(8/n) A further class of particles: comparatively large and with unique light refraction properties. They come in different shapes (e.g rod-like, squares):



(9/n) More of these objects:

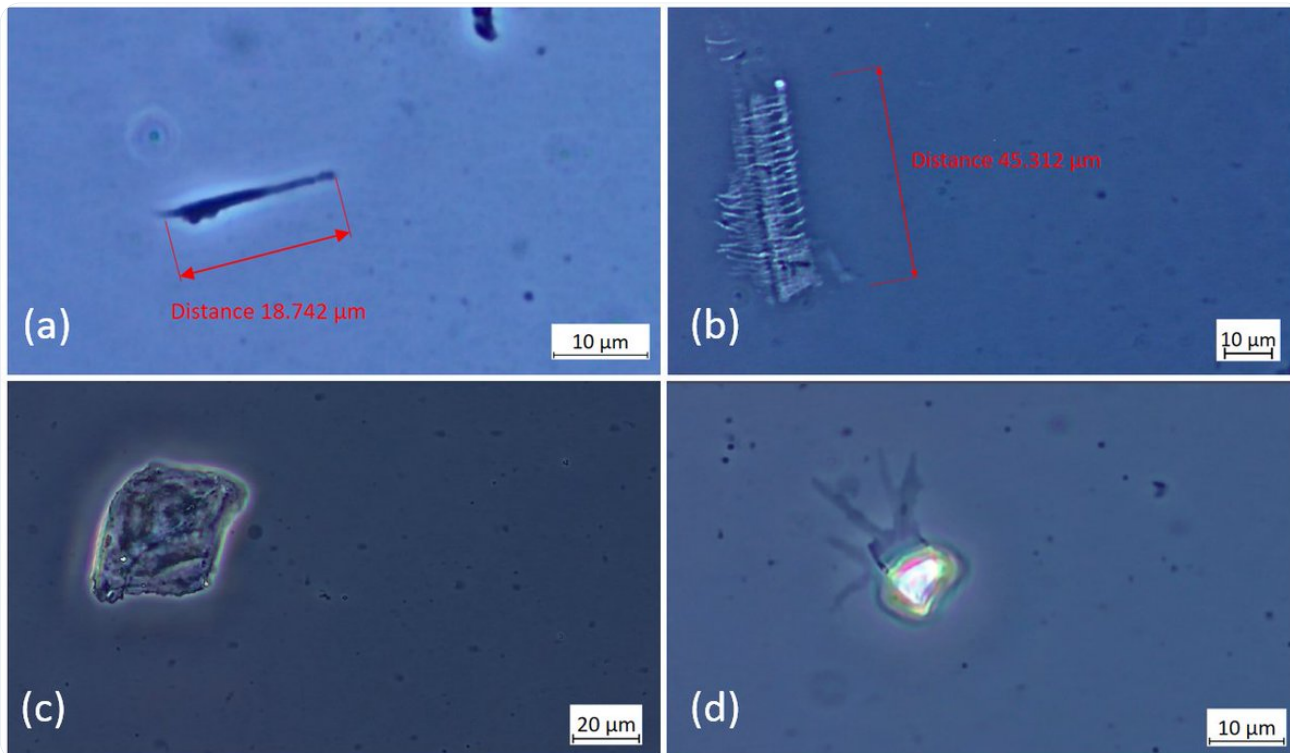


(10/n) And more:

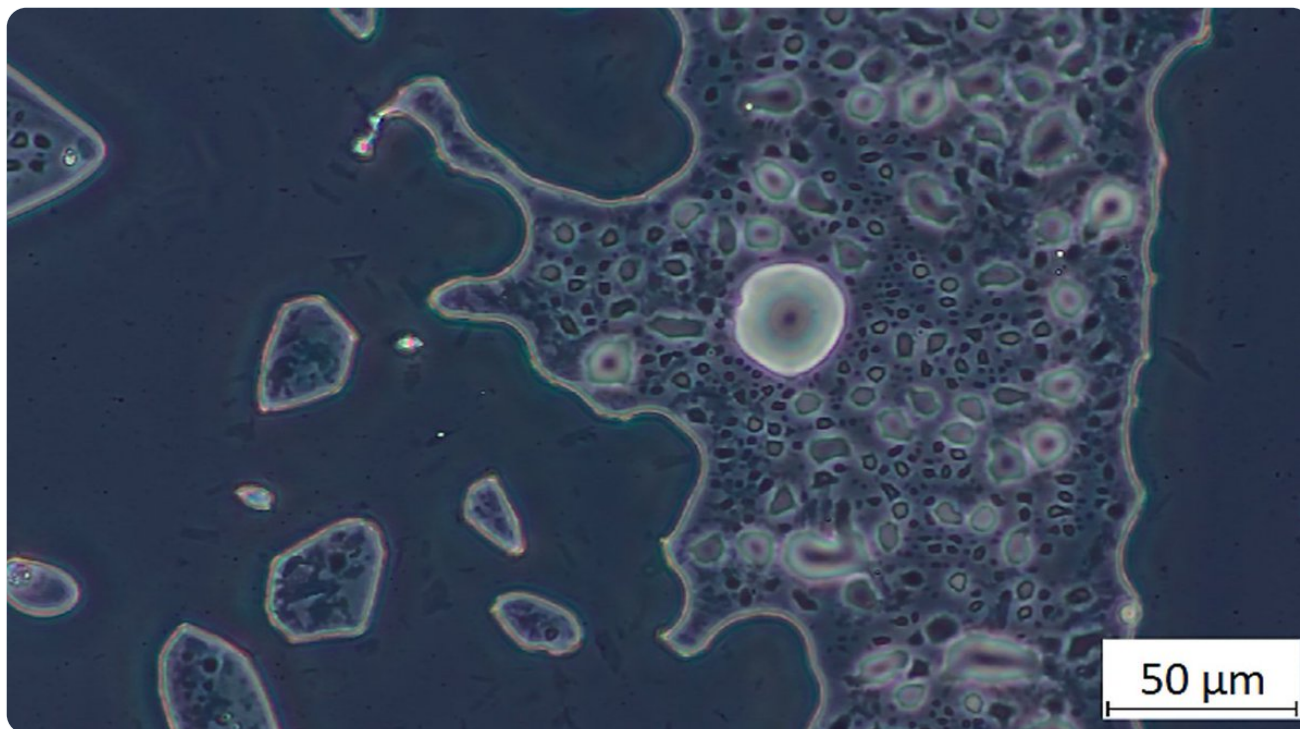


(11/n) A few unusually shaped objects were found, e.g. a 45 μm long ribbed structure (b) and a particle of about 10 μm in diameter with some “spikes” attached (d).

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(12/n) Parts of the liquid crystallized after about 15 min. Encapsulated areas can be seen with crystallized objects of different sizes inside. It's almost beautiful.



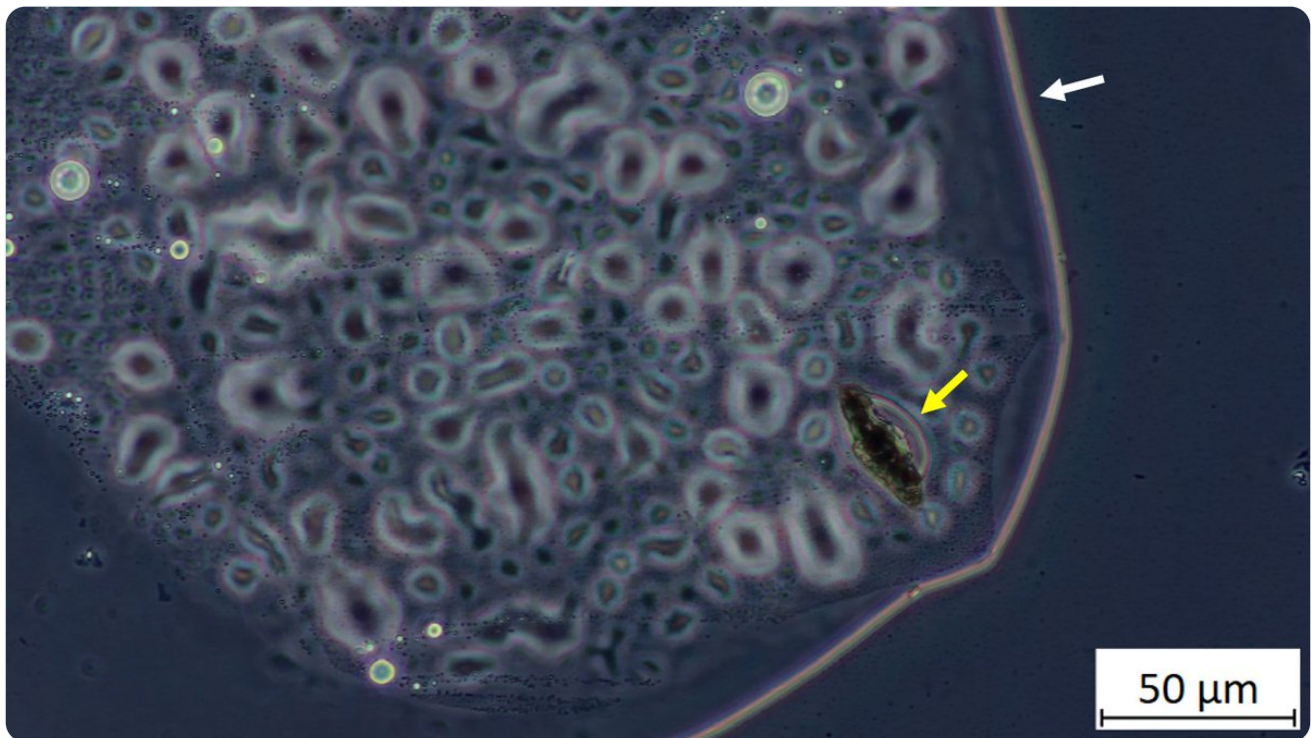
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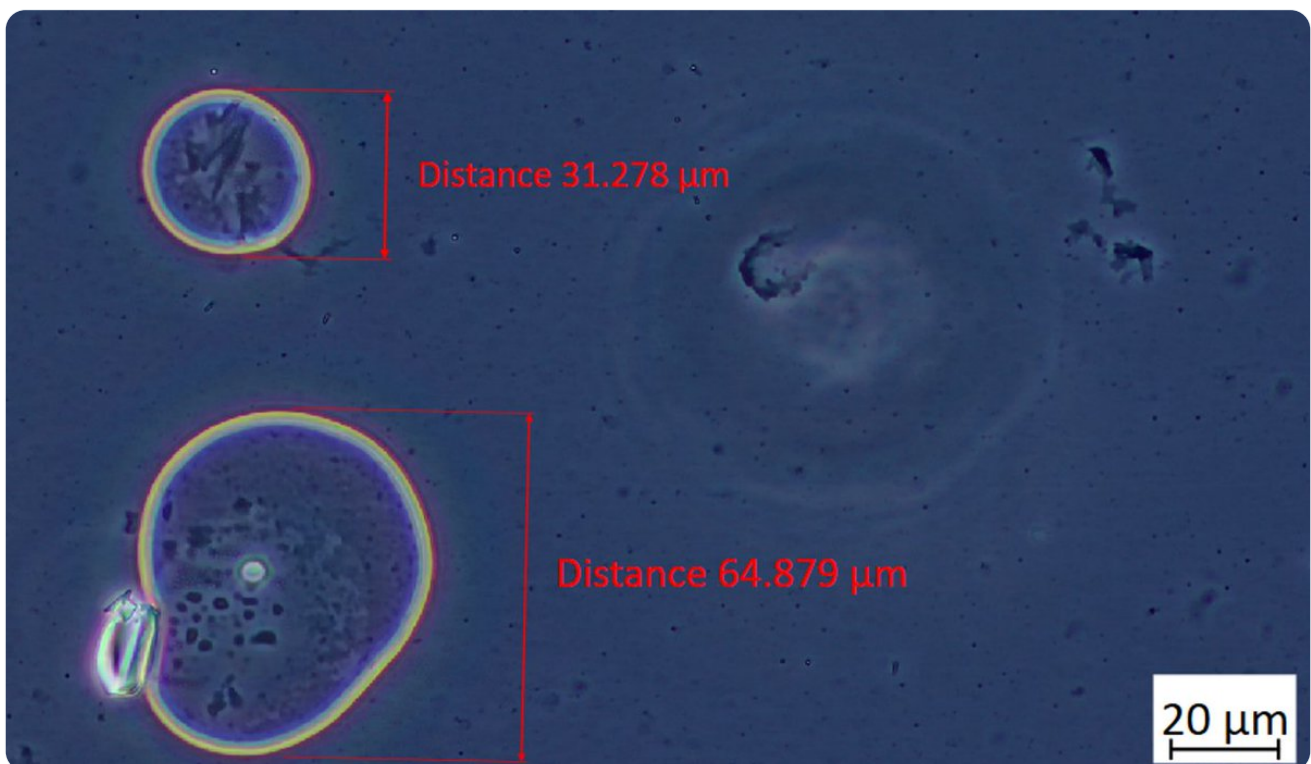
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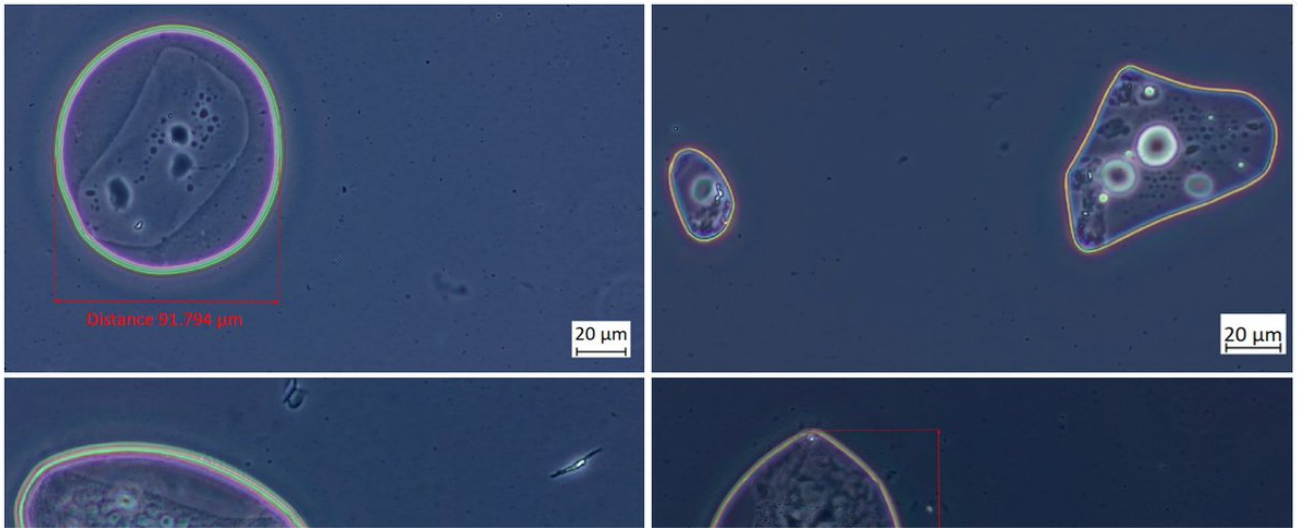
(13/n) Sometimes, these encapsulated crystallized areas (white arrow) contained objects with different light refraction properties to the particles surrounding them (yellow arrow):



(14/n) Oval-shaped encapsulated crystallized structures can be seen:



(15/n) These oval-shaped encapsulated crystallized structures have complex internal sub-structures with compartmentalization and particles of different sizes:



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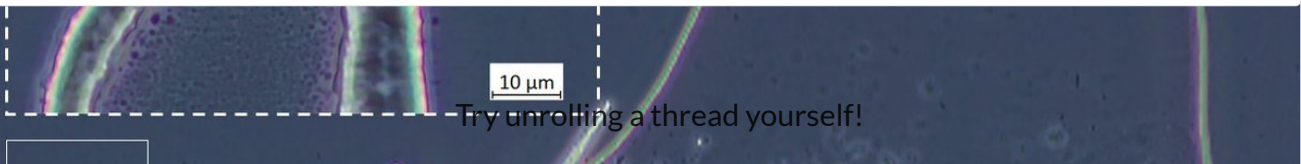
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Andrew Chen @andrewchen · Dec 27

12/ One of the best things out of @ericries's Lean Startup is the concept of "vanity metrics" - unimportant, inflated metrics that don't have much to do with business value. But the effects of using them are different when you're a startup versus a big co.

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Andrew Chen @andrewchen · Dec 27

13/ For big, established companies, focusing on vanity metrics is silly but not harmful. Everyone's thrown up a huge number to celebrate for an offsite. I get it. But for startups who are pre-product/market fit, it can lead down a path towards

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More from @DrJohnB2

- There is an urgent need to further investigate the ingredients and purity of the [#CovidVaccines](#)



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29 Sep

(1/n) Toxoplasmosis is a risk factor for acquiring SARS-CoV-2 infection and a severe course of COVID-19: parasitesandvectors.biomedcentral.com/articles/10.11... [#covid19](#) [#COVID](#)

Table 1 Incidence of risk and protective factors for COVID-19 in men and women

	Women		Men		OR	CI ₉₅	P
	No COVID		COVID				
	N	%	N	%			
Toxoplasmosis	563	18.3	81	23.9	1.50	1.19–1.89	0.0007
Borreliosis	410	19.9	57	24.3	1.27	0.96–1.68	0.0881
Rh-positivity	1953	76.4	219	76.3	0.98	0.76–1.26	0.8854
A blood group	200	37.3	173	41.1	1.16	0.93–1.44	0.1705

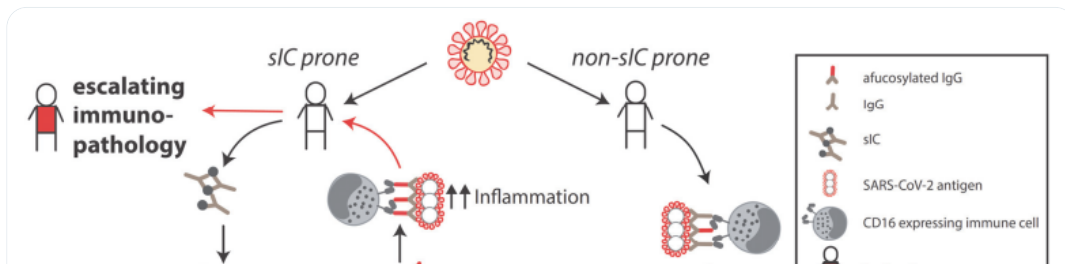
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26 Sep

(1/n) Patients with severe or critical [#COVID19](#) have a dysregulated immune response with high levels of [#SARSCoV2](#) specific IgG antibodies. Circulating multimeric immune complexes (sICs) seem to play an important role: biorxiv.org/content/10.110...



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22 Sep

(1/n) Can it happen that the genetic material in the [#CovidVaccines](#) (DNA, RNA) is integrated into our genome? This cannot be completely ruled out. There is a new review paper on this by the German geneticist & virologist Prof. Dr. Walter Doerfler: sciencedirect.com/science/articl...

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21 Sep

(1/n) A comment on yesterday's press conference from the pathological institute in Reutlingen (Germany): 1- The histological findings presented with the lymphocytic infiltrations in the tissue and the inflammatory processes are worrying

(2/n) 2- It was a pity that no results of histological examinations with immunofluorescence were made or shown. Such things can be done easily and quickly with today's technology

(3/n) 3- It was also a pity that the microscopic analyses of the vaccines were done in an amateurish way:

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20 Sep

(1/n) From today's press conference at the pathological institute in Reutlingen, Germany: microscopic images of an Austrian research group investigating the vaccines Video: (in German) There are foreign bodies in the #CovidVaccines Example 1

(2/n) Example 2

(3/n) Example 3 A triangular foreign body that was often found in various samples.

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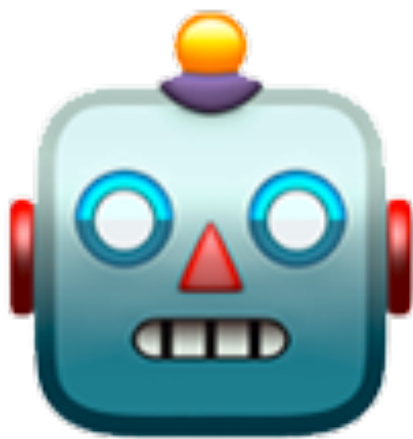
20 Sep

(1/n) Today there was a press conference from the pathological institute in Reutlingen, Germany. The pathologists Prof. Dr. Arne Burkhardt and Prof. Dr. Walter presented the results of the autopsies of eight people who died after COVID19 vaccination. #CovidVaccine

(2/n) In addition, new microscopic analyses of an Austrian research group on the ingredients of the vaccines were presented. Video: (in German) Here is a summary of the highlights.

(3/n) 10 autopsies, 8 evaluations. (Slide text translated into English)


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