

# Plausible tomorrows 2035-2049



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**Experts extrapolate the past... and do harm when  
people believe them!**

**Entrepreneurs, with passion for a vision, invent  
the future they want**

## #1: expertise will be free

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We will be capable of having accessible AI-based near free tutors for every child, and doctors for every citizen 24x7

## #2: labor will be near free

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**We will have a billion bipedal (and other) robots  
freeing humans from the servitude of  
undesirable jobs, creating a larger industry than  
the auto industry**

## **#3: computer use will grow expansively**

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**There will be a billion+ programmers all “programming” in natural, human language, dramatically increasing what can be done with computers. Computers will adapt to humans, not humans to computers, democratizing computers**

## #4: AI will play a large role in entertainment & design

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**Music and entertainment will be plentiful, and personalized for you and your mood! Content creation would be commoditized, but not change the celebrity-consumer relationship**

## **#5: internet access will be mostly by agents**

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**Most consumer access of the internet will be agents acting for consumers doing tasks and fending off marketers and bots. Tens of billions of agents on the internet will be normal**



## **#6: there will be clean, dispatchable electric power**

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**By 2050, fusion boilers will retrofit and replace coal and natural gas boilers reducing the need to build whole new fusion plants. Superhot geothermal >400C is also a real alternative**

## **#7: cars could be displaced in cities**

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**We could replace the majority of cars in most cities with personal autonomous transit as on-demand, affordable, public transit with little public financing. This will reduce congestion, increase city street throughput**

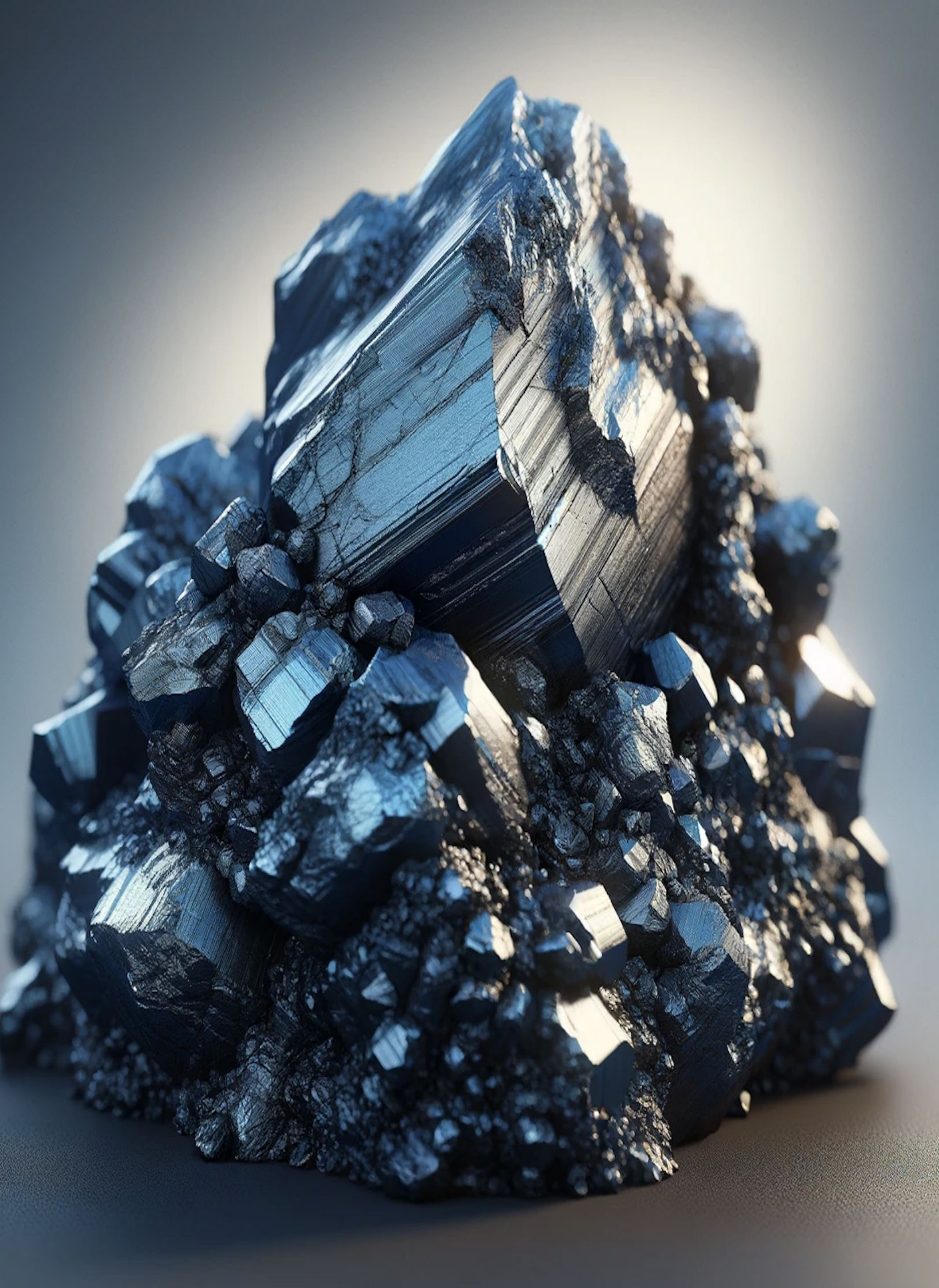




## #8: flying will be faster

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**We will have Mach 5 planes that get us from NYC to London in 90 minutes – on sustainable aviation fuel, making the world closer!**



## #9: resources will be plentiful

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**We can discover more natural resources than we consume & prove resource doomers wrong on lithium, cobalt, copper...**

## **#10: we will have new food & fertilizers**

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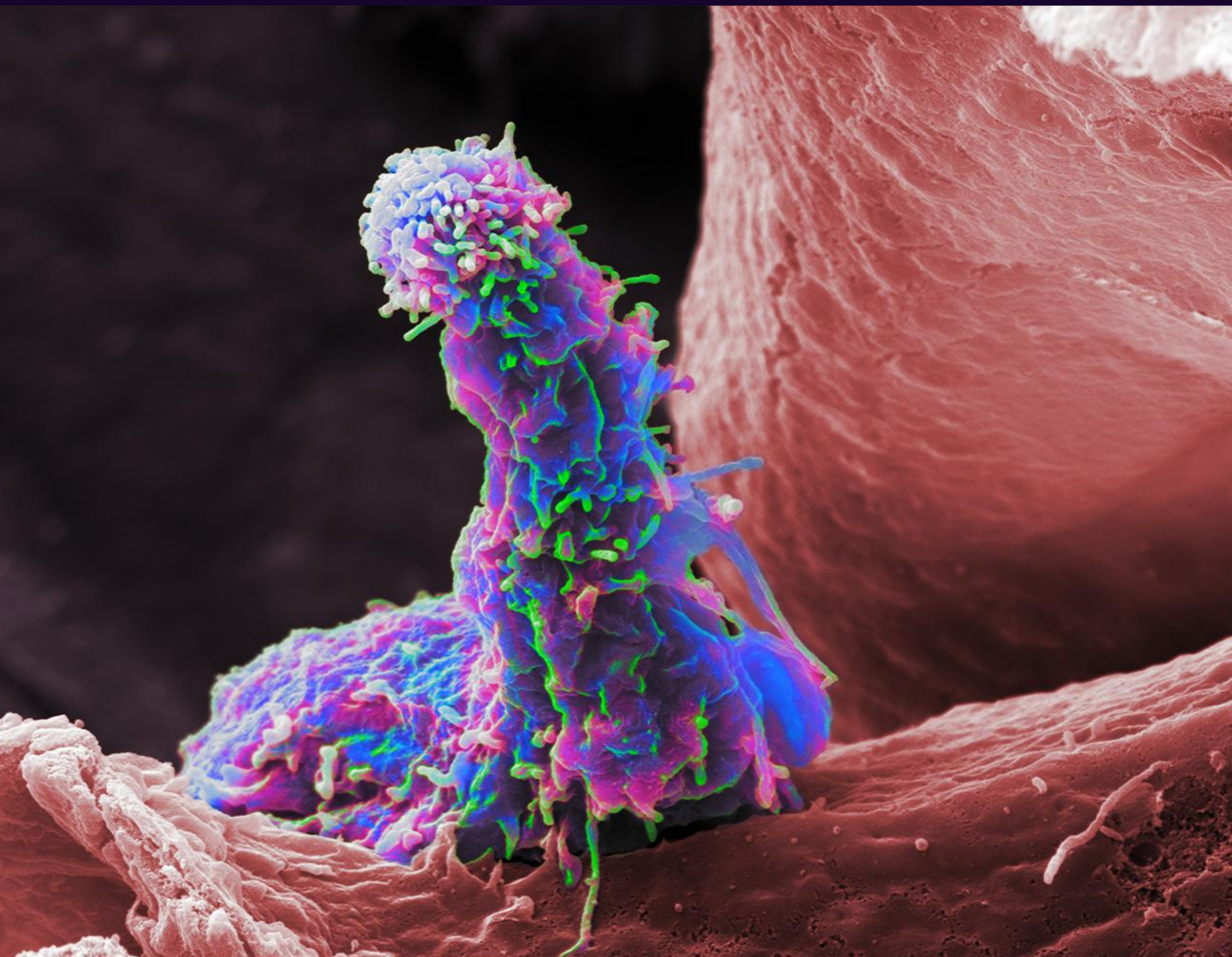
**We will have much better alternate protein production to replace traditional animal protein, & “green” fertilizer. And taste will far exceed that of traditional cows!**



# #11: from the practice to the science of medicine

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We will be capable of providing precision care based on patients' -omics, as well as AI models for each individual enabling N=1 personalized simulation, therapeutics, drug dosage



mag 貝	mode	HV	spot	WD	
4 441 x	SE	5.00 kV	3.0	18.0 mm	10 μm

Intravascular CAR-T cell in a Vivodyne solid tumor model.

## **#12: carbon will have solutions, if we have time**

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**Carbon emissions could be a smaller issue because we will get entrepreneurs to develop & scale better technologies for cement, steel, agriculture, transportation, power production, DAC, etc.**

**A few entrepreneurs, aided by policy to prevent short termism, can make this future happen**



# ... things that might slow down predictions

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**Incumbent resistance**

**Politicians capitalizing on fear for personal / populist gain**

**Tech failures or delays**

**Financial market conditions may kill a good idea**

**Anti-tech sentiment**

**Luddites hijacking the would-be advocate**

**A few bad AI-related outcomes that get sensationalized**

**Left field events**

**Instigators/entrepreneurs may not show up to make it happen**

**Abundant, awesome, technology-based, “possible tomorrows” are likely if we allow them to happen**

