RICKI’S COVID-19 ARTICLES [rickilewis54@gmail.com](mailto:rickilewis54@gmail.com)

# Where Will the Next Pandemic Come From? Highlights from CDC’s Emerging Infectious Diseases

# https://dnascience.plos.org/2022/08/18/where-will-the-next-pandemic-come-from-highlights-from-cdcs-emerging-infectious-diseases/

From Doodle Dogs to COVID: On the Meaning of Wild Type

https://dnascience.plos.org/2022/07/21/from-doodle-dogs-to-covid-on-the-meaning-of-wild-type/

Can Chewing Gum Protect Against COVID?

<https://dnascience.plos.org/2022/06/02/can-chewing-gum-protect-against-covid/>

A New View of Flu Thanks to Preserved Lungs in a German Museum

https://dnascience.plos.org/2022/05/19/a-new-view-of-flu-thanks-to-preserved-lungs-in-a-german-museum/

The Utter Oddness of COVID Anosmia

https://dnascience.plos.org/2022/04/28/the-utter-oddness-of-covid-anosmia/

What Lies Ahead with COVID? We Simply Don’t Know

<https://dnascience.plos.org/2022/03/24/what-lies-ahead-with-covid-we-simply-dont-know/>

Lessons from Flu and HIV Inspire Universal Coronavirus Vaccine

<https://dnascience.plos.org/2022/03/17/lessons-from-flu-and-hiv-inspire-universal-coronavirus-vaccine/>

Pan-Coronavirus Vaccines May Be Key to Fighting Future Pandemics 90

<https://www.medscape.com/viewarticle/969826>

SARS-CoV-2 Pops Up, Mutated, Beyond the Respiratory Tract

https://dnascience.plos.org/2022/03/03/sars-cov-2-pops-up-mutated-beyond-the-respiratory-tract/

COVID Complacency: Warnings from Invasion, Station Eleven, and a Research Report

https://dnascience.plos.org/2022/02/10/covid-complacency-warnings-from-invasion-station-eleven-and-a-research-report/

Omicron Evolves and the Covidization of Scientific Publishing

https://dnascience.plos.org/2022/01/27/omicron-evolves-and-the-covidization-of-scientific-publishing/

Pandemic Predictions Take a Turn Towards the Positive – Finally

<https://dnascience.plos.org/2022/01/13/pandemic-predictions-take-a-turn-towards-the-positive-finally/>

Sandy From the Mountains Dies, Leaving a Message to the Unvaxxed

<https://dnascience.plos.org/2021/12/23/sandy-from-the-mountains-dies-leaving-a-message-to-the-unvaxxed/>

Pandemic Too Fast to Follow as Three Waves of Infection Wash Over the US: Delta, Omicron, and Flu

<https://dnascience.plos.org/2021/12/16/pandemic-too-fast-to-follow-as-three-waves-of-infection-wash-over-the-us-delta-omicron-and-flu/>

How Watson and Crick Predicted the Origin of Omicron and Laid the Groundwork for COVID-19 Vaccines

https://dnascience.plos.org/2021/12/09/how-watson-and-crick-predicted-the-origin-of-omicron-and-laid-the-groundwork-for-covid-19-vaccines/

A lucky segment of the population is genetically immune to the COVID virus. What can we learn from them?

https://geneticliteracyproject.org/2021/11/09/a-lucky-segment-of-the-population-is-genetically-immune-from-the-covid-virus-what-can-we-learn-from-them/

Antibody Cocktails Against Future COVID Variants, Thanks to Global Consortium CoVIC

<https://dnascience.plos.org/2021/10/07/antibody-cocktails-against-future-covid-variants-thanks-to-global-consortium-covic/>

Viewpoint: Does mounting evidence for vaccine “durability” suggest we delay boosters for all until we learn more? (80th post)

<https://geneticliteracyproject.org/2021/09/21/viewpoint-does-mounting-evidence-for-vaccine-durability-suggest-we-delay-boosters-for-all-until-we-learn-more/>

New COVID Vaccines and More: A Perusal of ClinicalTrials.gov https://dnascience.plos.org/2021/09/16/new-covid-vaccines-and-more-a-perusal-of-clinicaltrials-gov/

The Tomorrow War on Amazon Prime Echoes COVID: Science from the Past Saves Humanity’s Future

<https://dnascience.plos.org/2021/09/09/the-tomorrow-war-on-amazon-prime-echoes-covid-science-from-the-past-saves-humanitys-future/>

Returning to Live Music and How a Tiny Mutation Sent Delta All Over the World

<https://dnascience.plos.org/2021/08/19/returning-to-live-music-and-how-a-tiny-mutation-sent-delta-all-over-the-world/>

How snake venom and a smoking cessation drug inspired a nasal spray that blocks COVID

<https://geneticliteracyproject.org/2021/08/17/how-snake-venom-and-a-smoking-cessation-drug-inspired-a-nasal-spray-that-blocks-covid/>

August 5, 2021

Scary Variants and Vaccine Hesitancy Set Up a Perfect Storm – for the Virus

https://dnascience.plos.org/2021/08/05/scary-variants-and-vaccine-hesitancy-set-up-a-perfect-storm-for-the-virus/

July 30, 2021

Vaccination Alone Won’t Counter Rise of Resistant Variants: Study

<https://www.medscape.com/viewarticle/955777>

July 22, 2021

Looking Into a COVID Lung Using Spatial Transcriptomics

https://dnascience.plos.org/2021/07/22/looking-into-a-covid-lung-using-spatial-transcriptomics/

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A Virus Envisions a Post Pandemic US

<https://dnascience.plos.org/2021/07/01/a-virus-envisions-a-post-pandemic-us/>

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Revising a Human Genetics Textbook and Countering Vaccine Hesitancy

https://dnascience.plos.org/2021/06/10/revising-a-human-genetics-textbook-and-countering-vaccine-hesitancy/

May 27, 2021

How Viral Variants Arise

<https://dnascience.plos.org/2021/05/27/how-viral-variants-arise/>

May 20, 2021

The H5N8 Bird Flu and Why We Should Pay Attention

<https://dnascience.plos.org/2021/05/20/the-h5n8-bird-flu-and-why-we-should-pay-attention/>

April 22, 2021

Expand Rapid Testing to Help Counter COVID Variant Spread, Says Harvard Epidemiologist Michael Mina

<https://dnascience.plos.org/2021/04/22/expand-rapid-testing-to-help-counter-covid-variant-spread-says-harvard-epidemiologist-michael-mina/>

April 20, 2021

Would you agree to be infected with COVID for science? Intentional ‘challenge’ studies underway as researchers explore new vaccines and treatments

https://geneticliteracyproject.org/2021/04/20/would-you-agree-to-be-infected-with-covid-for-science-intentional-challenge-studies-underway-as-researchers-explore-new-vaccines-and-treatments/

April 15, 2021

3 Possible Origins of COVID: Lab Escapee, Evolution, or Mutator Genes?

https://dnascience.plos.org/2021/04/15/3-possible-origins-of-covid-lab-escapee-evolution-or-mutator-genes/

March 18, 2021

Science Writing in the Age of COVID

<https://dnascience.plos.org/2021/03/18/science-writing-in-the-age-of-covid-19/>

March 11, 2021

On the Anniversary of the Pandemic, Considering the Bioweapon Hypothesis

<https://dnascience.plos.org/2021/03/11/on-the-anniversary-of-the-pandemic-considering-the-bioweapon-hypothesis/>

March 4, 2021

Is COVID Optimism Finally Overtaking Pessimism? Harvard Experts Weigh In

<https://dnascience.plos.org/2021/03/04/is-covid-optimism-finally-overtaking-pessimism-harvard-experts-weigh-in/>

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How My “Fruit Fly Love Story” Presaged The Rise of COVID-19 Viral Variants

<https://dnascience.plos.org/2021/02/11/how-my-fruit-fly-love-story-presaged-the-rise-of-covid-19-viral-variants/>

February 4, 2021

Getting a COVID Vaccine is More Transparent Than Eating a Hot Dog: Countering Vaccine Hesitancy

<https://dnascience.plos.org/2021/02/04/getting-a-covid-vaccine-is-more-transparent-than-eating-a-hot-dog-countering-vaccine-hesitancy/>

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Are We Hurtling or Hurdling Towards Herd Immunity for COVID-19?

<https://dnascience.plos.org/2021/01/28/are-we-hurtling-or-hurdling-towards-herd-immunity-for-covid-19/>

January 26, 2021

A dangerous stage in the evolution of the novel coronavirus is upon us with the discovery of “escape mutations”. Artificial intelligence may be our best response

<https://geneticliteracyproject.org/2021/01/26/a-dangerous-stage-in-the-evolution-of-the-novel-coronavirus-is-upon-us-with-the-discovery-of-escape-mutations-artificial-intelligence-may-be-our-best-response/>

January 21, 2021

Mutants Come to Saratoga: COVID New Variants Explained

<https://dnascience.plos.org/2021/01/21/mutants-come-to-saratoga-covid-new-variants-explained/>

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What Do Non-identical Identical Twins Have to do with COVID-19? Mutation!

<https://dnascience.plos.org/2021/01/14/what-do-non-identical-identical-twins-have-to-do-with-covid-19-mutation/>

January 12, 2021

Marketers are beginning to use data mined from consumer DNA tests. Should we be worried?

https://geneticliteracyproject.org/2021/01/12/marketers-are-beginning-to-use-data-mined-from-consumer-dna-tests-should-we-be-worried/

December 31, 2020 Ignoring Pandemic Warnings and Links to my 54 COVID Articles

<https://dnascience.plos.org/2020/12/31/ignoring-pandemic-warnings-and-links-to-my-54-covid-articles/>

December 17, 2020 The First COVID-19 Vaccines: What’s mRNA Got To Do With It?

https://dnascience.plos.org/2020/12/17/the-first-covid-19-vaccines-whats-mrna-got-to-do-with-it/

December 16, 2020 Are Old Vaccines Helpful Against COVID-19?

<https://www.medpagetoday.com/infectiousdisease/covid19/90266?xid=nl_mpt_DHE_2020-12-17&eun=g1358026d0r&utm_source=Sailthru&utm_medium=email&utm_campaign=Daily%20Headlines%20Top%20Cat%20HeC%20%202020-12-17&utm_term=NL_Daily_DHE_dual-gmail-definition>

December 9, 2020 Why Do Males Fare Worse With COVID-19? A Clue From Calico Cats

https://dnascience.plos.org/2020/12/10/why-do-males-fare-worse-with-covid-19-a-clue-from-calico-cats/

December 3, 2020 Dr. Paul Offit Talks COVID Vaccines, With JAMA’S Howard Bauchner

November 26, 2020 Worse Than COVID? The Tasmanian Devil’s Contagious Cancer

<https://dnascience.plos.org/2020/11/26/worse-than-covid-the-tasmanian-devils-contagious-cancer/>

November 23, 2020 When it comes to COVID, nurture trumps nature – so far

https://geneticliteracyproject.org/2020/11/23/when-it-comes-to-covid-nurture-trumps-nature-so-far/

November 19, 2020

Thinking About Thanksgiving? A Reminder of What COVID-19 Can Do To A Human Body

<https://dnascience.plos.org/2020/11/19/thinking-about-thanksgiving-a-reminder-of-what-covid-19-can-do-to-a-human-body/>

T Cells May Tell Us More About COVID Immunity (MEDPAGE Today)

<https://www.medpagetoday.com/infectiousdisease/covid19/89777?xid=nl_covidupdate_2020-11-19&eun=g1358026d0r&utm_source=Sailthru&utm_medium=email&utm_campaign=DailyUpdate_111920&utm_term=NL_Gen_Int_Daily_News_Update>

Genetic Clues in the Goop of a COVID Swab

<https://dnascience.plos.org/2020/11/12/genetic-clues-in-the-goop-of-a-covid-swab/>

Waning COVID-19 Antibodies Expected, No Cause for Alarm https://www.medscape.com/viewarticle/940388

October 26, 2020

Down Syndrome Tied to Tenfold Risk for Death From COVID-19

<https://www.medscape.com/viewarticle/939761>

October 22, 2020

Can Some Antibodies Worsen COVID-19? The Odd Situation of Enhancement

https://dnascience.plos.org/2020/10/22/can-some-antibodies-worsen-covid-19-the-odd-situation-of-enhancement/

October 14, 2020

Final weeks to approval: NIH’s Anthony Fauci and FDA’s Peter Marks on what’s ahead before we can expect a safe COVID vaccine

https://geneticliteracyproject.org/2020/10/14/final-weeks-to-approval-nihs-anthony-fauci-and-fdas-peter-marks-on-whats-left-before-we-can-expect-a-safe-covid-vaccine/

September 24, 2020

5 COVID-19 Updates: Cats, Kids, Seniors, Blood, and an Old Vaccine

https://dnascience.plos.org/2020/09/24/5-covid-19-updates-cats-kids-seniors-blood-and-an-old-vaccine/

September 15, 2020

“Challenge studies”: Should we be testing COVID vaccines by intentionally infecting volunteers?

<https://geneticliteracyproject.org/2020/09/15/challenge-studies-should-we-be-testing-covid-vaccines-by-intentionally-infecting-volunteers/>

September 10, 2020

How the Various COVID Vaccines Work

https://dnascience.plos.org/2020/09/10/how-the-various-covid-vaccines-work/

August 13, 2020

How COVID-19 Arose and Amplified Along the Meat Supply Chain

https://dnascience.plos.org/2020/08/13/how-covid-19-arose-and-amplified-along-the-meat-supply-chain/

August 6, 2020

She Had Her Own Mutation, Sequencing Led to a Treatment and Major Genetic Discovery – Then She Died of COVID

https://dnascience.plos.org/2020/08/06/she-had-her-own-mutation-sequencing-led-to-a-treatment-and-major-genetic-discovery-then-she-died-of-covid/

August 5, 2020

Sniffing Out Stem Cells Behind COVID-Skewed Olfaction

https://ipscell.com/2020/08/sniffing-out-stem-cells-behind-covid-skewed-olfaction/

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Vaccine ‘durability’: COVID-19 immunizations coming soon but will they last?

https://geneticliteracyproject.org/2020/08/03/vaccine-durability-covid-19-immunizations-coming-soon-but-will-they-last/

July 30, 2020

COVID Genomes Paint Portrait of an Evolving Pathogen

https://dnascience.plos.org/2020/07/30/covid-genomes-paint-portrait-of-an-evolving-pathogen/

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Can Past Coronavirus Infection Protect Against COVID-19? Hints from Smallpox Vaccine

<https://dnascience.plos.org/2020/07/23/can-past-coronavirus-infection-protect-against-covid-19-hints-from-smallpox-vaccine/>

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A Tale of Two Clinical Trials: Gene Therapy for a Rare Disease and a Vaccine for COVID-19

https://dnascience.plos.org/2020/07/16/a-tale-of-two-clinical-trials-gene-therapy-for-a-rare-disease-and-a-vaccine-for-covid-19/

July 6, 2020

Stem Cell Strategies Get Compassionate Use in COVID-19

https://www.medscape.com/viewarticle/933464

June 18, 2020

How an Antibody Cocktail Against COVID-19 Channels the 3 Stooges – But is a Great Idea

https://dnascience.plos.org/2020/06/18/how-an-antibody-cocktail-against-covid-19-channels-the-3-stooges-but-is-a-great-idea/

June 11, 2020

Protests and the Pandemic: Will COVID-19 Resurge?

https://dnascience.plos.org/2020/06/11/protests-and-the-pandemic-will-covid-19-resurge/

June 4, 2020

Dr. Fauci Optimistic About COVID-19 Vaccine Progress

https://dnascience.plos.org/2020/06/04/dr-fauci-optimistic-about-covid-19-vaccine-progress/

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‘Humanized mice’: Chimeras fuel quest to treat chronic diseases, cancer and even COVID-19

<https://geneticliteracyproject.org/2020/06/02/humanized-mice-chimeras-fuel-quest-to-treat-chronic-diseases-cancer-and-even-covid-19/>

May 28, 2020

The Fallacy of the “Make It So” Mentality to Rush a COVID-19 Vaccine

https://dnascience.plos.org/2020/05/28/the-fallacy-of-the-make-it-so-mentality-to-rush-a-covid-19-vaccine/

May 19, 2020

Coronavirus immunity passports could create a world of ‘us and them’. But here’s why they make sense

https://geneticliteracyproject.org/2020/05/19/coronavirus-immunity-passports-could-create-a-world-of-us-and-them-heres-why-it-makes-sense/

May 14, 2020

Will the COVID-19 Pandemic End Like War of the Worlds or Logan’s Run?

https://dnascience.plos.org/2020/05/14/will-the-covid-19-pandemic-end-like-war-of-the-worlds-or-logans-run/

May 12, 2020

The tricky path for using stem cells to treat coronavirus-ravaged lungs

https://geneticliteracyproject.org/2020/05/12/beware-stem-cell-tourism-questionable-therapies-to-cure-coronavirus-ravaged-lungs/

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Quest for coronavirus treatment inspires modern twist on antique technique using survivors’ plasma

https://geneticliteracyproject.org/2020/05/05/quest-for-coronavirus-treatment-inspires-modern-twist-on-antique-technique-using-survivors-plasma/

April 30

Rare Disease Families Cope With COVID

<https://blogs.plos.org/dnascience/2020/04/30/rare-disease-families-cope-with-covid/>

April 27

‘At home’ coronavirus test? How CRISPR could change the way we search for COVID-19

https://geneticliteracyproject.org/2020/04/27/at-home-coronavirus-test-how-crispr-could-change-the-way-we-search-for-covid-19/

April 24

Large Study of COVID-19 NYC Hospital Cases Shows High Mortality

<https://www.medscape.com/viewarticle/929375>

April 18

Normal Chest X-ray Doesn't Rule Out COVID-19

https://www.medscape.com/viewarticle/928946

April 14

Can genetics explain the degrees of misery inflicted by the coronavirus?

https://geneticliteracyproject.org/2020/04/14/can-genetics-explain-the-degrees-of-misery-inflicted-by-the-coronavirus/

April 9

A Brief History of Plagues and Pandemics: From the Black Death to COVID-19

<https://blogs.plos.org/dnascience/2020/04/09/a-brief-history-of-plagues-and-pandemics-from-the-black-death-to-covid-19/>

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‘Designed to be slow’: Why these coronavirus vaccines in the pipeline won’t be ready this year

<https://geneticliteracyproject.org/2020/04/08/designed-to-be-slow-why-these-coronavirus-vaccines-in-the-pipeline-wont-be-ready-this-year/>

April 1

Sophie’s Choice’ in the time of coronavirus: Deciding who gets the ventilator

https://geneticliteracyproject.org/2020/04/01/sophies-choice-in-the-time-of-coronavirus-deciding-who-gets-the-ventilator/

March 26

Drugs to Treat Novel Coronavirus Part 2: Rx for Restraint

https://blogs.plos.org/dnascience/2020/03/26/drugs-to-treat-novel-coronavirus-part-2-rx-for-restraint/

March 24

Comparing the coronavirus pandemic to past pathogenic threats: HIV, anthrax and Ebola

<https://geneticliteracyproject.org/2020/03/24/comparing-the-coronavirus-pandemic-to-past-threats-hiv-anthrax-and-ebola/>

March 19

Can Existing Drugs Treat COVID-19? From Viagra to Thalidomide to Cough Syrup

https://blogs.plos.org/dnascience/2020/03/19/can-existing-drugs-treat-covid-19-from-viagra-to-thalidomide-to-cough-syrup/

March 19

Digestive Symptoms Tied to Worse COVID-19 Outcomes

https://www.medscape.com/viewarticle/927112

March 17

How the “F” word—flu—led to confusion as the coronavirus pandemic unfolded

<https://geneticliteracyproject.org/2020/03/17/how-the-f-word-flu-led-to-confusion-as-the-coronavirus-pandemic-unfolded/>

# March 17

# Coronavirus Stays in Aerosols for Hours, on Surfaces for Days

# <https://www.medscape.com/viewarticle/926929>

# March 16 A Million COVID-19 Cases Already, Global Estimates Suggest

# https://www.medscape.com/viewarticle/926893

# March 13 So You Have a COVID-19 Patient; How Do You Treat Them?

# <https://www.medscape.com/viewarticle/926794>

March 9 Risk Factors for Death From COVID-19 Identified in Wuhan Patients

<https://www.medscape.com/viewarticle/926504>

March 11 Early GI Symptoms in COVID-19 May Indicate Fecal Transmission

https://www.medscape.com/viewarticle/926682

February 20 COVID-19 Vaccine Will Close in on the Spikes

<https://blogs.plos.org/dnascience/2020/02/20/covid-19-vaccine-will-close-in-on-the-spikes/>

February 11

Will scientists ever get ahead of fast-mutating deadly health viruses? Exploring the coronavirus and the genetics of other viral outbreaks

https://geneticliteracyproject.org/2020/02/11/will-scientists-ever-get-ahead-of-fast-mutating-deadly-health-viruses-exploring-the-coronavirus-and-the-genetics-of-other-plagues/

January 23

The Wuhan Coronavirus Inspires a Look Back at the Discovery of Viruses

<https://blogs.plos.org/dnascience/2020/01/23/the-wuhan-coronavirus-inspires-a-look-back-at-the-discovery-of-viruses/>