

“If I have seen further, it is by standing on the shoulders of giants”¹
Sir Isaac Newton (1675)

ScienceCoins Cryptocurrency



[Therapoid](#) is the first fully available open science platform that freely provides collaborating researchers with cryptocurrency, grant opportunities, preprint server, lab equipment, discussion forums, intellectual properties (innovations), and gaining notice for career opportunities. More functions will be continuously added.

Importantly, Therapoid will provide ScienceCoins cryptocurrency to researchers and students who collaborate within Therapoid. Table 1 provides the current list of events that will award ScienceCoins.

Therapoid will never charge a fee to users. It will never exploit its members.

To freely use Therapoid, all members agree and enforce that all content and innovations must remain free and open via a Copyleft and Creative Commons 4.0 ShareAlike licensing model.



Therapoid also promotes open access publishing and partnerships will be developed with publishing partners who also promote this model.



So why ScienceCoins Cryptocurrency?

Therapoid is the first open science platform to award collaborating researchers with cryptocurrency. This was developed because many researchers and students around the world are economically challenged to participate in collaborative science. For them, just buying journal subscriptions or traveling to conferences is daunting. ScienceCoins provide a way to bring the scientific community to inclusively bring all researchers together.

Researchers do a lot of work that is frequently not economically rewarded. A complex grant proposal can include many hours of work to only be declined due to a lack of funds in the grantor's budget. Placing a declined grant application within Therapoid can be awarded ScienceCoins and make value of something that typically gains no value. Even posting dissertations can earn ScienceCoins. One can imagine grant funding being provided in ScienceCoins and the grantee exchanging the cryptocurrency on an exchange for fiat that will fund the research in a native currency.



1. When Therapoid Users freely register they gain ScienceCoins cryptocurrency awards.
 - a. ScienceCoins are a cryptocurrency that will eventually be traded on exchanges between holders and buyers or exchanged for fiat currencies.
 - b. ScienceCoins can be awarded to the User for over 60 actions and more will be added constantly.

¹ Isaac Newton, Wikipedia. Accessed October 4th, 2021 at https://en.wikipedia.org/wiki/Standing_on_the_shoulders_of_giants.

- c. Only 500,000,000 ScienceCoins will ever be minted. Due to the smart contract on the Ethereum blockchain, this cannot be changed.
 - i. Through the smart contract, the Company reserves the right to “burn”, or permanently eliminate, up-to 11.5% (57,500,000) of the supply.
- 2. Users can pay for products/services within and without Therapoid.
 - a. ScienceCoins holders will be able to pay each other for services (such as translating a paper) or products (within Therapoid).
 - b. ScienceCoins holders will be able to pay industry for products (such as journal subscription) and services (without Therapoid).
- 3. Events that will award ScienceCoins:

Activity	Science Coins
Registration	350.00
Profile is completed. Upload from ORCID, LinkedIn, etc. permitted.	400.00
Registration for Hypothes.is (Annotations) account	50.00
Getting five new registrants (referral)	500.00
Joining a scientific group	100.00
Actively participating on a manuscript as an author or co-author	500.00
Serving as a mentor	50.00
Uploading data in community accepted format	300.00
Serving as a peer reviewer on a preprint	500.00
Uploading a manuscript to the preprint server	1,500.00
Preprint is published in a journal	200.00
Donating a working piece of lab equipment	500.00
Donating consumables	400.00
Applying for a grant and posting on Therapoid	100.00
Achieve top three finalists of grant selection by the community	100.00
Uploading a thesis or dissertation	250.00
Participate reviewing a grant proposal	500.00
Issuing an RFP with funding greater than \$1000.00 USD (Other)	500.00
Providing acceptable open technology	400.00
Creating a new project that gains more than 3 members	400.00
Posting in forums (collaboration) More than 100 posts.	300.00
Posting a “hot topic”	200.00
Starting and providing educational content	500.00

Table 1: Events that will award collaborators with ScienceCoins (this award list is subject to change).

4. When Open Therapeutics lists ScienceCoins on cryptocurrency exchanges, you can convert ScienceCoins to fiat (Euro, dollars, etc.) on cryptocurrency exchanges.
 - a. The expected ticker on exchanges for ScienceCoins is “SCI”.
 - b. Examples of cryptocurrency exchanges:
 - i. Crypterium
 - ii. LAToken
 - iii. Binance
 - iv. Coinbase
 - v. Crypto.com
 - vi. Robinhood
 - vii. List of 305 exchanges:
 1. <https://coinmarketcap.com/rankings/exchanges/>
5. You can create an investment account to save, and later trade, ScienceCoins. Why would you do this?
 - a. You can use the funds to accomplish economically important events such as paying others to do consulting “gigs” such as translating your papers.
 - b. Investment upside: one can think of ScienceCoins as the “Bitcoin of science”.
 - i. Bitcoin is the first cryptocurrency and can be thought of as the entry point to the larger cryptocurrency world. Bitcoin can be thought of as a test case for ScienceCoins, so we delve deeper to give you the sense of how ScienceCoins could behave.
 - c. Beginning in 2010, Bitcoin was \$0.0008 USD. ²
 - d. Should one have owned \$1,000 USD of Bitcoin in 2010, today s/he would own 1,250,000 Bitcoins.
 - e. On April 15th, 2021, the price of Bitcoin hit \$63,255.65 USD. ³
 - i. If one had 1,250,000 Bitcoins on April 15th, s/he would have the value of...
 1. **\$79,069,562,500.00 USD** (seventy-nine billion, sixty-nine million, five-hundred sixty-two, five hundred dollars).
 - f. With adoption, ScienceCoins, as the “Bitcoin for Scientists”, has such upside opportunity.

² <https://www.investopedia.com/articles/forex/121815/bitcoins-price-history.asp>, accessed Sept 9, 2021.

³ <https://www.coindesk.com/price/bitcoin/>, accessed Sept 9, 2021.

i. How many people have heard of Bitcoin? ⁴

1. 90% of Americans have heard of Bitcoin.
2. 88% of Japanese
3. 93% of British
4. 66% of Europeans

ii. How many people own Bitcoin? ^{5 6 7}

1. Vietnam, 40%
2. India, 30%
3. Philippines, 30%
4. United States, 17% (46M)
 - a. 6% of US investors own Bitcoin, up from 2% in 2018. ⁸
 - b. 13% of investors younger than 50 years of age own Bitcoin, versus 3% of older investors. ⁹
5. Europeans, 5% (37M)
 - a. In summary, Bitcoin has secured a significant foothold with only growth ahead of it.
 - b. Bitcoin can be considered as a gateway to other cryptocurrencies, including ScienceCoins.

iii. Globally, how many Bitcoin Owners are there? ¹⁰

1. 100M Bitcoin owners
2. 200M Bitcoin wallets
3. 53M Bitcoin traders
4. 400K daily Bitcoin users

⁴ <https://www.buybitcoinworldwide.com/how-many-bitcoin-users/>, accessed Sept 9, 2021.

⁵ <https://economictimes.indiatimes.com/markets/cryptocurrency/india-among-the-global-leaders-for-crypto-adoption/articleshow/85485394.cms?from=mdr>, accessed Sept 9, 2021.

⁶ <https://www.nasdaq.com/articles/about-46-million-americans-now-own-bitcoin-2021-05-14>, accessed Sept 9, 2021.

⁷ <https://www.buybitcoinworldwide.com/how-many-bitcoin-users/>, accessed Sept 9, 2021.

⁸ <https://news.gallup.com/poll/352508/bitcoin-making-inroads-younger-investors.aspx>, accessed Sept 9, 2021.

⁹ <https://news.gallup.com/poll/352508/bitcoin-making-inroads-younger-investors.aspx>, accessed Sept 9, 2021.

¹⁰ <https://www.buybitcoinworldwide.com/how-many-bitcoin-users/>, accessed Sept 9, 2021.

iv. What payment processors have adopted Bitcoin and cryptocurrencies?

1. Visa ¹¹
2. Mastercard ¹²
3. PayPal ¹³
4. Apple Pay ¹⁴
5. Google Pay ¹⁵
6. Crypto.com ¹⁶

v. How many merchants accept cryptocurrencies?

1. Globally, 15,000 including Overstock, Microsoft, AT&T, Shopify, Twitter, Tesla, and Wikipedia. ^{17 18 19}

Cryptocurrency Wallets

Therapoid awarded ScienceCoins use an ERC-20 protocol-based smart contract programmed on the Ethereum blockchain. As is normal for ERC-20 tokens (coins), ScienceCoins, as “The Currency of Knowledge”, will be stored on the Ethereum blockchain. A “wallet” is a secure interface that enables the holder to interact with the ScienceCoins that are stored on the blockchain. The wallet does not store the cryptocurrency. It simply provides a window to the blockchain to enable the holder to access the coins.

The wallet required for managing ScienceCoins is any standard Ethereum wallet that supports ERC-20 tokens, and since ScienceCoins will be publicly tradable, any ERC-20 compatible wallet would be useful for managing ScienceCoins.

However, the Therapoid platform will also provide an integrated wallet for its users to receive, send and otherwise manage ScienceCoins, Knowbel and any other tokens it issues. During registration, each user can opt to create their wallet using a secure passphrase of their own choosing. The platform will encrypt the user’s private key with this passphrase. The Therapoid platform will no longer have access to the user’s private key and therefore to their wallet.

The wallet is the only access point to your ScienceCoins.

¹¹ <https://usa.visa.com/solutions/crypto.html>, accessed Sept 9, 2021.

¹² <https://www.mastercard.com/news/perspectives/2021/why-mastercard-is-bringing-crypto-onto-our-network/>, accessed Sept 9, 2021.

¹³ <https://www.paypal.com/us/webapps/mpp/crypto>, accessed Sept 9, 2021.

¹⁴ <https://appleinsider.com/articles/21/08/06/apple-pay-users-can-now-buy-cryptocurrency-with-coinbase>, accessed Sept 9, 2021.

¹⁵ <https://www.coindesk.com/business/2021/08/05/coinbase-is-expanding-its-payment-and-cash-out-methods/>, accessed Sept 9, 2021.

¹⁶ <https://crypto.com/pay>, accessed Sept 9, 2021.

¹⁷ <https://www.ceifx.com/news/who-accepts-bitcoin-and-ether-cryptocurrencies>, accessed Sept 9, 2021.

¹⁸ <https://economictimes.indiatimes.com/markets/cryptocurrency/twitter-may-allow-you-to-pay-and-receive-tips-in-bitcoin-and-ethereum-via-tip-jar/articleshow/85968232.cms>, accessed Sept 9, 2021.

¹⁹ <https://www.bbc.com/news/business-57924354>, accessed Sept 9, 2021.

IF YOU LOSE YOUR KEY TO YOUR WALLET, YOU WILL LOSE ACCESS TO YOUR SCIENCECOINS. PERIOD!

Open Therapeutics does not have access to your wallet. If you lose your key, there is nothing we can do. NOTHING!

We recommend you back-up your key to “cold storage”. Something such as a piece of paper that you store in a safe. Another cold storage device is something such as a Ledger, which you can gain through Therapoid’s equipment exchange.

Again. You and only you are responsible for your wallet key. **Lose the key. Lose your ScienceCoins. Period.**

How can I learn more?

We invite you to contact us at:

Home page: <https://therapoid.net/contact>

Twitter: <https://twitter.com/opentherapeutic>

LinkedIn: <https://www.linkedin.com/company/open-therapeutics/>

Facebook: <https://www.facebook.com/OpenTherapeutics/>

Instagram: <https://www.instagram.com/opentherapeutics/>

Telegram: <https://t.me/OpenTherapeutics>
<https://t.me/Therapoid>
<https://t.me/ScienceCoins>

Summary

Therapoid is the first open science collaboration ecosystem that awards cryptocurrency. Users will be able to discuss topics, advance intellectual properties and innovations, exchange lab equipment, gain grants, list papers on a preprint server, and gain career opportunities, all the while being awarded ScienceCoins cryptocurrency.

Bitcoin and cryptocurrencies are here to stay. People around the world have embraced cryptocurrencies and the growth curve could be significant over the near future.

The scientific literature has already considered awarding cryptocurrencies for scientific efforts, so this is conceptually considered.²⁰

The award of ScienceCoins through Therapoid uses a “scientific proof of work” whereby researchers and students through interdisciplinary collaboration, content creation, and synthesizing content for the public to consume can gain recognition and the award of potent ScienceCoins cryptocurrency.



²⁰ Lehner, E., Hunzeker, D., Ziegler, J.R., *Funding Science with Science: Cryptocurrency and Independent Scientific Funding*, 2017.