

|RESEARCH COLLECTIVE|

Road Map - v1.2 - Dec 2019

CHOOSE YOUR FLAVOR:

SUMMARY | EXTENDED | CRYPTO

SUMMARY

The **Research Collective** is Citizen Science movement embodied in **Wyoming 501c3 Non-Profit** directed by a **Decentralized Autonomous Organization(DAO)**.

The purpose of this hybrid Non-Profit/DAO:

1. Creating an Institutional Review Board for citizen scientists
2. Implementing token curated registries to support markets underserved by regulation, such as medical tourism, research molecules, and consultants for rare genetic disorders
3. Establishing a network of cryptographically signed claims - a '**Web of Trust**' - that can be used to assess both the trustworthiness of entities as well as the safety of experimental interventions
4. Developing 'autonomous wealth sharing' licenses and smart contracts to facilitate global collaboration and commercial derivations that forward a portion of profits to the creators

EXTENDED

PREMISES

- **Academic research** and **biotech markets** have stalled for the same reason why we experience a '**fake news**', '**post-Truth**' society: the deluge of information has made reliable **interpretations** rare. Societal consensus has been lost.
 - Search for practically anything online, and you'll likely find an article that is actually an advertisement.
- The brittle, top-heavy nature of **legacy truth-making** systems such as '**peer review**' and '**clinical trials**' has allowed actors benefiting from the status quo to maintain monopolies on the **interpretations of information**.
 - For example, whether a product can be deemed "safe" by regulators is largely dependent upon a pharmaceutical company's expectation to commoditize it.
- There is substantial value in trustworthy **interpretations of information** for markets underserved by regulators.
 - Medical tourism, experimental genetic therapies, and research molecules are just some areas where experts are needed to safely navigate but are exceedingly difficult if not expensive to find
- '**Self-sovereign**' technologies (**Web 3.0**) permit **novel truth-making** systems (such as **knowledge markets**, **prediction markets**, & **token-curated registries**) that allow users to stake and profit from their **interpretation of information**.

|RESEARCH COLLECTIVE|

- By expanding the pool of who can put their money behind ideas, previously inconceivable realities, such as a vaccine for cavities, will flourish.

ROADMAP:

1. The **RESEARCH COLLECTIVE** will issue attestations, examinable on distributed ledgers (such as Ethereum), that a certain **public key**, or set of keys, belongs to a certain **individual** or **group**. *These virtual 'badges' will allow patients, researchers, clients, and suppliers to be sure they are dealing with the right entity, even if they are pseudonymous.*
2. The **COLLECTIVE** will form an '**Institutional Review Board**' so that both named and pseudonymous entities can seek approval for their projects, in the form of an immutable distributed ledger entry. *This will allow researchers outside of academia to satisfy ethical considerations while potentially gaining access to institutional resources for doing so.*
3. The **COLLECTIVE'S** **attestation system** is expanded so that any **user** may participate in spinning the web-of-trust. Users may issue attestations on identity, propose projects, and name their collaborators. If both collaborators consent ahead of time, they may issue 'warranted' feedback on each other at their project's conclusion. *This decentralized reputation system will allow rapid identification of both the best and worst actors of the space, empowering informed decisions when it comes to finding collaborators or suppliers.*
4. The **attestation** system will expand to **attributions**, permitting seamless collaboration through the use of novel licenses powered by autonomous wealth sharing pathways. *For example, a plasmid design may be licensed such that anyone commercializing an exact copy must forward all profits through an Ethereum smart contract that sends 50% to the creator; or 25% if the work is derivative but not identical. See [ERC-2222](#)*

CRYPTO:

- The **RESEARCH COLLECTIVE** is a term available for empowering any self-sovereign individual conducting ethical scientific inquiry; especially those seeking to leverage distributed ledgers and similar cryptographic networks while doing so.
- Rather than be tied to a particular legal or network entity, the **RESEARCH COLLECTIVE** flows into whatever container is needed to accomplish its goals.
- The **RESEARCH COLLECTIVE** is designed to 'molt'; spilling into new entity containers that respect prior agreements in the even of a 'forking'.
- The technology developed by the **RESEARCH COLLECTIVE** is intended to be used by individuals, rather than centralized organizations.

|RESEARCH COLLECTIVE|

ADDITIONAL RESOURCES

RESEARCH COLLECTIVE: [Site](#) | [Mailing List](#) | [Chat](#)

[MiniCircle HIV Project](#)

[Crypto Attestation System Visualizer](#)