# ResearchChain User Stories

**Project Name: ResearchChain**

## Value Proposition

## A decentralized platform on Solana that enables researchers to propose ideas and receive milestone-based funding directly from global contributors. It ensures transparency, protects intellectual property with IP-NFTs, and empowers underfunded researchers.

## Product-Market Fit

## Research Chain addresses the lack of transparent, accessible research funding—especially in underdeveloped countries—by using blockchain for accountability, fair distribution, and tamper-proof research outputs.

## Target User Profiles

## The Underfunded Researcher: Academic or scientist seeking transparent, milestone-based funding and IP protection.

## The Impact-Driven Contributor: Individual, DAO, or institution wanting to support research and earn rewards.

## The Accountable Organization: University, NGO, or company seeking transparent, goal-aligned research funding.

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## User Story ID: RC-001a (Researcher – Submit Proposal)

## Priority: High User Persona: Dr. Priya, Researcher at a small university Goal: Submit a research proposal for funding

## User Story:

## As a researcher, I want to submit my research proposal with milestones so that I can receive funding in stages as I make progress.

## Functionality:

## Enter proposal details (title, abstract, milestones, funding requirements)

## Upload supporting documents (PDFs, datasets)

## Attributes:

## Each proposal is minted as an IP-NFT

## User Interaction:

## Track the status of my proposal and receive notifications when milestones are funded

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## User Story ID: RC-001b (Researcher – Update Milestones)

## Priority: High User Persona: Dr. Priya, Researcher Goal: Update milestone progress

## User Story: As a researcher, I want to update the status of my project milestones so that contributors can see my progress and release the next tranche of funding.

## Functionality:

## Mark milestones as complete and request verification

## Upload evidence for milestone completion

## Attributes:

## Milestone updates are recorded on-chain

## User Interaction:

## Communicate with verifiers and contributors

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## User Story ID: RC-002a (Contributor – Fund Project)

## Priority: High User Persona: Anil, Contributor (individual or DAO member) Goal: Fund impactful research

## User Story: As a contributor, I want to browse and fund research proposals that align with my interests so that I can support impactful research.

## Functionality:

## Filter proposals by topic, region, or researcher

## Contribute funds to selected projects

## Attributes:

## Contributions are linked to specific milestones

## User Interaction:

## View the impact of my funding and receive updates

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## User Story ID: RC-002b (Contributor – Track & Govern)

## Priority: Medium User Persona: Anil, Contributor Goal: Track funding and participate in governance

## User Story: As a contributor, I want to track my contributions and vote on which proposals receive funding so that I can help prioritize impactful research.

## Functionality:

## Dashboard to monitor all contributions and project progress

## Participate in quadratic voting for proposal selection

## Attributes:

## Voting power is proportional to contributions

## User Interaction:

## See voting results and proposal rankings

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## User Story ID: RC-003a (Organization – Fund & Track)

## Priority: High User Persona: Ms. Rao, Organization Representative Goal: Fund research aligned with organizational goals

## User Story: As an organization, I want to fund research projects that align with my goals so that I can support impactful initiatives and ensure accountability.

## Functionality:

## Organization profile creation and verification

## Search/filter proposals by research area, impact, or region

## Allocate funds to multiple projects

## Attributes:

## Organization dashboard for tracking all funded projects

## User Interaction:

## Receive regular progress and impact reports

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## User Story ID: RC-003b (Organization – Set Criteria)

## Priority: Medium User Persona: Ms. Rao, Organization Representative Goal: Set custom funding criteria

## User Story: As an organization, I want to set custom funding criteria for proposals so that I can ensure alignment with our mission.

## Functionality:

## Define eligibility and reporting requirements for funded projects

## Attributes:

## Customizable reporting tools

## User Interaction:

## Approve or reject proposals based on criteria

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