



# Xalara (XALRA) — Whitepaper v1

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## 1. Abstract

Xalara (XALRA) is an ERC-20 token on Ethereum designed to fund **open tools** and **micro-grants** at the intersection of **biotechnology**, **longevity**, and **AI-assisted research**. The project emphasizes **transparent, reproducible outputs**—datasets, scripts, notebooks—over speculation, and publishes machine-readable proofs (APIs, tx hashes) alongside human-readable summaries. XALRA coordinates contributors, compensates practical work, and anchors accountability on-chain.

## 2. Motivation

Biotech and longevity research are constrained by **tooling gaps**, **data curation debt**, and **reproducibility**. Small, well-targeted contributions—e.g., data normalization scripts, literature triage pipelines, visualization templates—can save weeks for researchers and citizen scientists. Xalara funds these “square-inch wins,” packages them accessibly, and releases them under permissive licenses.

### Focus areas

- **Longevity R&D:** biomarker curation, assay standards, longitudinal data hygiene.
- **AI for bioinformatics:** compact ML pipelines; synthetic data where appropriate; reproducible notebooks.
- **Open micro-grants & bounties:** practical tooling, documentation, reproducibility rewards.

## 3. Token Overview

- **Symbol / Decimals:** XALRA / 18
- **Total Supply:** 1,000,000,000 XALRA (fixed at deploy)
- **Mainnet Contract:** [0x20F58aC708D2ebBA5f4B6f1687073f631714f9F3](#)



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- **Owner (Safe multisig):** [0x5aBB817aaE8C17fBc97D2E2b4f08B35457aA1405](#)
- **Features:** Pausable, Burnable, EIP-2612 Permit, **no transfer taxes**
- **DEX Pool (Uniswap v2 ETH/XALRA):** Pair [0x87D0F6e909C459B1dA253F1A9570cceC8F59Bb91](#) (router: UniswapV2Router02)

## Transparency endpoints

- **Circulating supply (API):** <https://xalara.io/api/circulating>  
(Excludes the Safe treasury and the original deployer EOA.)
- **Pool snapshot (API):** <https://xalara.io/api/pool>
- **Source & explorer:** Etherscan verified code tab

## 4. Utility & Scope

XALRA's purpose is **coordination** and **funding**:

- Pay out **micro-grants** and **bounties** for tangible artifacts (scripts, datasets, notebooks).
- Incentivize **documentation and reproducibility**.
- Signal **community priorities** via off-chain votes and on-chain proofs.

**Not a security; no yield promises.** XALRA does not represent equity, dividends, or claims on assets. No medical claims are made.

## 5. Treasury & Spending Policy

The **Safe multisig** holds the treasury (XALRA and LP). Initial allocations prioritize:

- **Micro-grants & bounties:** narrow, high-utility tasks; reproducible outputs; MIT or CC-BY licenses.



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- **Operations:** hosting, infra, modest design/content costs.
- **Liquidity health:** see §7.

**Grant cadence (initial):** small rounds (e.g., 3–5 grants). Each grant is accompanied by:

- A short proposal (scope, deliverables, license)
- An approval record (public post & tx hash)
- Delivery artifacts (repo/notebook/data)
- Payment transaction hash from the Safe

## **Prioritization criteria**

- Clear, reproducible deliverables
- Broad utility for the community
- Bounded scope (weeks, not months)
- Results published under permissive licenses

## **6. Governance: Progressive Decentralization**

### **Phase A — Stewardship (current):**

- Treasury managed by a **Safe multisig**.
- Decisions are documented publicly; tx hashes linked on site and socials.



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## Phase B — Community signaling:

- Introduce **Snapshot** (off-chain voting).
- Connect Snapshot to Safe using **SafeSnap** so passed proposals can trigger Safe transactions with a guardian check.

## Phase C — On-chain governance (when participation is real):

- Deploy an **OpenZeppelin TimelockController** and **Governor**.
- Transfer token ownership (only if owner functions remain necessary) from the Safe to the **Timelock**; the Timelock is controlled by the **Governor**.
- Parameters (illustrative starting points):
  - Voting period: 5–7 days
  - Quorum: 2–5% of circulating (tune to actual engagement)
  - Proposal threshold: modest, to avoid spam but enable contributors
  - Timelock delay: 24–72 hours (upgrade transparency)

**Possible end-state:** If/when owner functions are no longer required (e.g., permanent unpause), the contract can be **handed to a Timelock with limited powers** or left ownerless for immutability (only if safe).

## 7. Liquidity Policy

- **DEX:** Uniswap v2 ETH/XALRA (pair above).
- **LP custody:** LP tokens currently held by the Safe.
- **Plan:** After early community milestones (e.g., 250–500 followers / 150–300 holders), **lock or burn** a portion of LP and publish the proof link (locker page or tx hash). Actions are pre-announced ≥24h and added to the **/press** page.



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## 8. Technical Architecture

- **Token:** Standard ERC-20 (burnable, pausable, permit). No transfer taxes.
- **Admin model:** Ownable; owner is a **Safe** on mainnet.
- **Integrations:** Uniswap v2, on-chain read APIs (pool snapshot & circulating supply).
- **Endpoints:**
  - `/api/circulating` — reads token supply & excluded balances from RPC; returns JSON and plaintext “wei” for aggregators.
  - `/api/pool` — reads reserves and mid-price from Uniswap v2 pair.

### Security posture

- Reduced surface area; no complex tax/reflection logic.
- Privileged functions limited to pause/unpause (for safety) and standard approvals; no minting.
- On-chain proofs (Etherscan verification, public ownership, Safe transactions).
- Progressive governance migration (§6).



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## 9. Roadmap & Milestones

- **Phase 0 (done):** Deploy & verify contract; Safe owner; initial Uniswap v2 pool; public site & APIs.
- **Phase 1:** Publish litepaper; first reproducible demo; Snapshot space; modest bounty round.
- **Phase 2:** Announce LP lock schedule; lock/burn a portion of LP; add second demo; expand grants.
- **Phase 3:** Launch Timelock/Governor if voter participation is strong; formalize review roles.
- **Phase 4:** Scale grants; regular community reporting; evaluate further decentralization.

## 10. Risks & Disclaimers

- **No investment promise.** XALRA is a utility/community token.
- **No medical claims.** Xalara funds tooling/examples; it does not provide medical advice.
- **Smart-contract risk.** On-chain activity carries risk; audits and community review are encouraged.
- **Market risk.** Liquidity is limited and volatile.
- **Operational risk.** Grants depend on treasury and contributor availability; timelines may shift.



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## 11. Appendix (Addresses & Links)

- **Token:** `0x20F58aC708D2ebBA5f4B6f1687073f631714f9F3`
- **Owner (Safe):** `0x5aBB817aaE8C17fBc97D2E2b4f08B35457aA1405`
- **Uniswap v2 Pair:** `0x87D0F6e909C459B1dA253F1A9570cceC8F59Bb91`
- **Router:** `0x7a250d5630B4cF539739dF2C5dAcb4c659F2488D`
- **Site:** <https://xalara.io>
- **Tokenlist:** <https://xalara.io/tokenlist.json>
- **APIs:** `/api/circulating`, `/api/pool`
- **X (Twitter):** [https://twitter.com/Xalara\\_Token](https://twitter.com/Xalara_Token)
- **Telegram (Announcements):** [https://t.me/Xalara\\_Token](https://t.me/Xalara_Token)
- **Telegram (Community):** [https://t.me/Xalara\\_Community](https://t.me/Xalara_Community)