

Lead R&D Engineer

Wellness Ecosystems & Bio-Systems (Switzerland Based)

About the Vision Modern life is a constant state of biological friction. At Lonvia, we believe the home should not just be a shelter, but a therapeutic instrument—a space that actively heals, regulates, and restores the human nervous system.

While our launch centres on a category-defining circadian light system, Lonvia is building a **modular ecosystem of biomechanical and environmental products**. From adaptive light to atmospheric recovery and ergonomic biological support, we are designing the "invisible architecture" that allows the human body to function as intended.

We are seeking an ambitious, **Switzerland-based Lead R&D Engineer** to be the technical architect of this multi-product roadmap.

The Mission You will own the technical "brain" of the Lonvia ecosystem. Your role is to define the hardware-software logic that will govern our initial product and the biomechanical innovations that follow. You will be responsible for creating a modular, "set-and-forget" infrastructure that bridges the gap between clinical-grade science and high-end residential design.

Your Key Responsibilities

- **System Architecture:** Develop the core biological logic and sensory feedback loops that will power a suite of home-health products.
- **Modular Hardware Engineering:** Design a universal PCB and firmware backbone capable of adapting to diverse biomechanical applications beyond lighting.
- **Bio-Signal Integration:** Research and implement precise environmental triggers—from spectral tuning to haptic and sensory signals—that support hormonal and nervous system recovery.
- **Swiss-to-Global Engineering:** Lead the technical translation of Swiss-designed concepts into high-scale manufacturing with our partners in Asia.

Your Profile

- **Technical Pedigree:** Recent Master's or PhD from a top-tier Swiss institution (e.g., ETH/EPFL) in Systems Engineering, Robotics, or Biomedical Engineering.
- **Broad Curiosity:** You aren't just an "optics" person; you are a systems thinker fascinated by biomechanics, ergonomics, and sensory design.
- **Strategic Resident:** You are based in Switzerland and value the "Swiss Design" philosophy of precision and "Form-Follows-Function."
- **Entrepreneurial Spirit:** You thrive in the ambiguity of an early-stage venture and want to be a founding technical voice.

What We Offer

- **Roadmap Leadership:** A unique opportunity to shape the technical IP of a high-end wellness brand from its first "anchor" product to a full-home ecosystem.
- **Flexibility:** A milestone-driven project fee with the potential for long-term equity as the founder's technical partner.
- **Real-World Impact:** The chance to build "silent" technology that removes digital noise and actively supports human resilience.

Join us in building the home where we finally heal. Please send your CV and a brief note on your vision for bio-integrated home technology to roksana@thelonvia.com