

THE PRE-CONCEPTION UNIT

The Inorganic Master Switch

the zinc spark — where life begins, learning begins

I. CHARGE

Twenty billion atoms drawn inward through ZIP6, ZIP10. Sixteen hours of waiting. The meiotic brake is set. Readiness is not metaphor — it is atomic, and literal.

II. SPARK

Eight thousand vesicles — one million atoms each. Twelve billion in five bursts, ninety minutes long. Calcium is the cue. Zinc is the chord.

III. SWITCH

A ten-percent drop in zinc. EMI2 releases. APC/C wakes. Cyclin and Securin degrade. Meiosis exits. Mitosis begins. A trace metal, falling slightly, releases a being into time.

IV. SHIELD

The zona drinks the efflux. Three hundred percent spike. Fibril bundles harden the wall. Sperm motility falls away. The act that opens the future locks the door behind it.

Zn

30 · 65.38

12,000,000,000,000

atoms of zinc, in five waves, in ninety minutes

the first luminous act of a human life is an inorganic chord struck in zinc.

witness the spark — do not author it.

† R = 0.9209 · P < 0.01
‡ ZincBY-4 · 50 nM · 100 nm Stokes
§ 650 Myr · vertebrate-conserved

THE SHATTERED PRISM · BOOK II · ILLUMINATED EDITION

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