

# AGELESS

*The Science and Art of Reversing the Ageing Process*

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## Contents

Introduction: The Premise .....	4
How to Use This Programme .....	4
Lesson One: What Ageing Actually Is .....	6
The Hallmarks of Ageing .....	6
The Mind-Body Interface in Ageing .....	7
The Telomere as Central Target .....	8
Entering the Architecture .....	9
Lesson Two: The Chemistry of Ageing .....	12
The Stress Response: Designed for Survival, Destructive Over Time .....	12
The Cortisol-Ageing Connection .....	12
The Unconscious Stress Archive .....	13
The Role of DHEA: The Counter-Hormone .....	14
Clearing the Stress Archive .....	15
Lesson Three: Telomeres, Telomerase, and the Biological Clock .....	18
The Architecture of the Telomere .....	18
Telomerase: The Rebuilding Enzyme .....	18
What Activates Telomerase .....	19
The Unconscious and TERT Expression .....	20
Speaking to the Telomere .....	21
Lesson Four: Inflammation, the Silent Accelerator .....	24
What Is Inflammation? .....	24
The Psychological Drivers of Inflammaging .....	25
Anti-Inflammatory Signals the Unconscious Can Generate .....	26
The Anti-Inflammatory Field .....	26
Lesson Five: The Hormonal Symphony .....	29
Human Growth Hormone .....	29
Melatonin: The Master Antioxidant and Circadian Anchor .....	30
Sleep Architecture and Biological Renewal .....	31
The Regenerative Night .....	31
Lesson Six: Epigenetics — The Ageing You Can Rewrite .....	34
What the Epigenome Is .....	34
The Psychological Epigenome .....	35
The Identity-Epigenome Connection .....	35
The Epigenetic Rewrite .....	36
Lesson Seven: The Gut, the Microbiome, and the Ageing Ecosystem .....	39
The Gut as an Ageing Organ .....	39

The Gut-Brain-Ageing Triangle.....	39
The Psychobiome: How the Mind Shapes the Microbiome.....	40
Healing the Inner Ecosystem .....	40
Lesson Eight: Autophagy, Cellular Recycling, and the Art of Letting Go .....	43
What Autophagy Is .....	43
What Activates Autophagy .....	43
The Psychological Parallel: Emotional Autophagy .....	44
The Art of Incompletion .....	45
The Cellular Completion.....	45
Lesson Nine: The Quantum Self .....	47
Coherence: The Master Signal.....	47
Non-Local Consciousness and Biological Age .....	48
The Quantum Effect on Telomeres .....	48
The Coherent Field .....	49
Lesson Ten: Integration — Building the Ageless Life.....	52
What You Now Know.....	52
The Daily Architecture of Agelessness .....	53
The Psychological Contract .....	54
The Ageless Future Self .....	55

## Introduction: The Premise

This course begins with a provocation.

You have been told that ageing is inevitable. You have been told it is written into your biology — a fixed, unalterable programme running in the background of every cell in your body. You have been told to accept it gracefully, to manage it, to slow it perhaps, but never to reverse it.

That belief is a programme. And programmes can be changed.

What follows over these ten lessons is not wishful thinking. It is not affirmation work dressed in biology. It is a deep, rigorous, and at times confronting exploration of what ageing actually is — at the cellular, hormonal, psychological, and quantum levels — and how the extraordinary power of the unconscious mind, when given the right architecture, can begin to alter the conditions that cause it.

The science is real. Telomeres shorten. Hormones decline. Inflammatory cascades accelerate cellular death. The body produces less of what it needs and more of what damages it. This is not metaphor. This is measurable biology.

But here is what is also real: the unconscious mind controls every one of those systems. The body does not age on its own. It ages in response to signals. Signals from its chemistry. Signals from its perception. Signals from beliefs held so deeply they never reach the surface of conscious thought.

This programme works at the level where those signals originate.

Each lesson will teach you the mechanism — the actual biology and neuroscience — and then take you deep into the work needed to change it. Not to manage it. To reverse it.

This is Ageless.

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## How to Use This Programme

Each of the ten lessons is a full session. They are designed to be long, immersive, and complete. Do not rush them. Do not skip sections. The theory in each lesson is not preamble — it is medicine. Understanding what is happening in your body at the

biological level is itself therapeutic. It dissolves the helplessness. It replaces resignation with mechanism. And mechanism is power.

Each lesson ends with an extended trance process. These processes are written as guided experiences and work best when you listen while relaxed with headphones. Do not listen while driving or doing anything that requires your attention.

The programme is designed to be completed once a week for ten weeks, with daily practice of the trance recordings between sessions.

These lessons cover the real basic elements of the aging process. To understand even deeper, read the Ageless book that is included as a pdf for this training. It is also available in paperback via amazon. Link can be found at [ninerealmsinstitute.com/books](http://ninerealmsinstitute.com/books)

# Lesson One: What Ageing Actually Is

## THE MECHANISM

Before we can reverse something, we need to understand it. Not in the simplified version we tell ourselves — 'we just get older' — but in the actual biological machinery that drives it.

Ageing is not a single process. It is a convergence of multiple interacting systems all moving in the wrong direction simultaneously. It is cellular, hormonal, immunological, neurological, and — as we will come to understand — profoundly psychological. Every one of these systems communicates with the others. Every one of them receives instructions from the unconscious.

## The Hallmarks of Ageing

Biological researchers have identified a set of core processes that define ageing at the cellular level. Understanding these is essential — not to overwhelm you, but to show you exactly where the levers are.

### 1. Telomere Shortening

Telomeres are protective caps on the ends of your chromosomes — think of them as the plastic tips on shoelaces. Every time a cell divides, these caps get a little shorter. When they become too short, the cell can no longer divide safely. It either enters a state of dormancy (senescence) or it dies. This is one of the primary clocks of biological ageing.

The enzyme telomerase can rebuild these caps. Your body produces it. The question is: how much, and under what conditions?

### 2. Cellular Senescence

Senescent cells are cells that have stopped dividing but refuse to die. They accumulate in tissues and organs and release a toxic cocktail of inflammatory signals — the senescence-associated secretory phenotype (SASP). This chronic, low-grade inflammation poisons surrounding healthy cells and is directly linked to every major age-related disease: cardiovascular disease, diabetes, neurodegeneration, and cancer.

### 3. Mitochondrial Dysfunction

Mitochondria are the energy generators of every cell. As we age, they become less efficient and produce more reactive oxygen species (free radicals) as a byproduct — damaging the very structures they are supposed to power. Cellular energy drops. Repair processes slow. The body loses its ability to maintain itself.

#### **4. Epigenetic Drift**

Your DNA is not simply an instruction manual. It is a dynamic system where genes can be switched on or off by chemical markers — the epigenome. As we age, this switching system becomes erratic. Genes that should be silenced become active. Genes that should be active go quiet. This is not genetic — it is epigenetic. And epigenetic changes are reversible.

#### **5. Loss of Proteostasis**

Proteins must be correctly folded to function. Ageing disrupts the systems that maintain this. Misfolded proteins accumulate, contributing to neurodegenerative diseases and organ dysfunction.

#### **6. Deregulated Nutrient Sensing**

Pathways like mTOR, AMPK, and insulin/IGF-1 regulate how cells respond to nutrients and energy. In ageing, these pathways become dysregulated — cells receive wrong signals about growth, repair, and recycling. Cellular autophagy (the body's self-cleaning system) declines.

#### **7. Altered Intercellular Communication**

Ageing disrupts the signalling between cells. Inflammatory signals increase. Hormonal signals change. The complex conversation happening between every organ system in your body becomes noisier, less precise, and less effective.

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### **The Mind-Body Interface in Ageing**

Here is where this programme diverges from conventional approaches.

Every one of the biological processes above is influenced by the nervous system, the endocrine system, and the immune system — all three of which are directly regulated by the unconscious mind. This is not speculation. It is the field of

psychoneuroimmunology, one of the most robustly evidenced areas of biological science.

Chronic stress accelerates telomere shortening — this has been measured directly in human subjects. Perceived threat increases cortisol, which suppresses telomerase activity. Psychological trauma creates measurable epigenetic changes. Depression reduces mitochondrial efficiency. Loneliness accelerates cellular ageing by the equivalent of smoking fifteen cigarettes a day.

The body is not ageing passively. It is ageing in response to the signals it receives from the mind.

This means the entry point for reversal is not primarily pharmaceutical. It is not even primarily dietary or exercise-based, though those matter. The primary entry point is the unconscious — the system that generates, interprets, and responds to the signals that drive every one of the hallmarks above.

That is where we work.

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## **The Telomere as Central Target**

Throughout this programme, the telomere will serve as our primary biological anchor — the measuring stick for what we are trying to achieve. This is because telomere length is measurable, it is responsive to intervention, and it sits at the intersection of every ageing mechanism we will address.

Telomerase — the enzyme that rebuilds telomeres — is not switched off in adults. It is suppressed. It is suppressed by stress hormones. It is suppressed by chronic inflammation. It is suppressed by psychological states. And it can be reactivated.

Studies on experienced meditators have shown significantly higher telomerase activity compared to controls. Studies on loving-kindness practices, psychological coherence, and deep relaxation have all shown measurable effects on telomere maintenance. The mechanism exists. Our task is to access it — deliberately, deeply, and repeatedly.

## Entering the Architecture

Before we begin the deep work that will occupy the rest of this programme, we need to establish the landscape. This first trance experience is designed to create a relationship between your conscious awareness and the biological machinery we have been discussing. We are going to make the abstract concrete — to give your unconscious mind a working model of itself that it can use throughout the weeks ahead.

*Between lessons: Listen to your recording of this process each day. Do not attempt to direct it — simply revisit. The relationship between your conscious mind and the central room will deepen with repetition.*

So, Find a comfortable position. Play the recording on the next section. You will not need to do anything other than follow the words. Your only task is to allow. And ill see you on the next lesson.

*Close your eyes. Take a long, slow breath in through your nose — let it fill your belly first, then your chest — and release it gently through your mouth.*

*Again. Breathing in all the way down, and releasing completely.*

*One more time. And as you release this breath, allow your body to settle. Feel the weight of you — the actual, physical weight — pressing into whatever is supporting you. The chair, the bed, the floor. Feel yourself being held.*

*Now I want you to imagine that you are standing at the entrance to an enormous building. This building is unlike anything you have ever seen. It stretches in every direction — up, out, deep — and it is alive. You can feel it breathing. You can feel the hum of it.*

*This is you. Not a metaphor of you. The actual you — every system, every cell, every process — given form so that your conscious mind can approach it, and so that your unconscious mind can receive instruction.*

*The entrance is wide and welcoming. There is a warmth coming from inside — not heat exactly, but energy. The energy of living systems doing what they are designed to do.*

*You step inside.*

*The interior is vast. There are corridors in every direction, each one lit differently — some warm gold, some cool blue, some a deep, pulsing red that tells you something important lives there. You understand, without being told, that each corridor leads to a different system. Hormonal systems. Immune systems. Cellular systems. Neural systems.*

*And at the very centre of this building — visible from where you stand, down the longest corridor — there is a room. A room that glows.*

*You begin to walk toward it.*

*As you walk, you become aware of the sounds around you. The rhythmic pulse of the cardiovascular corridor to your left. The gentle shimmer of neural activity above you. The deep, almost geological hum that comes from below — that is the cellular level. Billions of processes, all happening simultaneously, all orchestrated by something that never rests and never forgets.*

*You are close to the central room now. You can see through the doorway that the glow is coming from countless small lights. Each light is a cell. Each cell is holding its own light. Some are burning brightly. Some are dimmer. A few — you notice this without alarm, simply as information — are flickering.*

*You enter the room.*

*The ceiling here is high and domed. The walls are lined with what appear to be instruments — monitors, gauges, living readouts of everything happening in your biology. You can see the telomere displays — the tiny caps on the chromosomes, lit like threads of light at the end of each strand. You notice their current length. You do not judge this. You simply observe.*

*And in the centre of the room there is a console. This console is yours. It has always been here. It simply has never been properly introduced to you.*

*You walk to it and place your hands on it.*

*The moment you do, you feel a connection — a deep, warm, unmistakable recognition. This is the interface between your conscious intention and your unconscious execution. This is where what you choose meets what your body does.*

*And from this place, from this room, we will do the work of this programme together.*

*For now, simply stand here. Feel the connection. Let your unconscious mind begin to understand that you have arrived. That you are here. That the work begins now.*

*Take your time.*

*When you are ready — and only when you are ready — take one more slow breath, and allow yourself to begin returning. Not rushing. Not snapping back. Drifting up slowly, the way you might float to the surface of still water. Bringing with you everything you found here.*

*Breathe. Stretch gently. Open your eyes.*

*Welcome back.*

# Lesson Two: The Chemistry of Ageing — Hormones, Cortisol, and the Stress Machine

## THE MECHANISM

If Lesson One introduced you to the hallmarks of ageing as a set of biological facts, Lesson Two is going to introduce you to the primary driver that accelerates all of them: the stress response.

Specifically, we are going to look at cortisol — what it does, why the body produces it, what happens when it runs chronically, and what role the unconscious mind plays in keeping it elevated long after any actual threat has passed.

## The Stress Response: Designed for Survival, Destructive Over Time

The stress response is one of the most elegant pieces of biological engineering in existence. When faced with a genuine threat — a predator, a physical emergency, a life-or-death situation — your hypothalamic-pituitary-adrenal (HPA) axis fires a cascade of signals that prepares your body to survive.

Adrenaline spikes within seconds. Heart rate increases. Blood is redirected from the digestive and reproductive systems to the muscles and brain. Glucose floods the bloodstream. Inflammation increases to prepare for potential injury. The immune system goes on high alert.

Cortisol — the primary stress hormone — follows within minutes and sustains this state. It suppresses non-essential functions. It mobilises energy reserves. It keeps the system primed and ready.

All of this is perfect for a short-term physical threat. The problem is that the human brain cannot reliably distinguish between a physical predator and a threatening thought.

## The Cortisol-Ageing Connection

Chronic cortisol elevation is one of the most well-documented accelerators of biological ageing. Here is what it does to the systems we identified in Lesson One:

### **Telomeres:**

Cortisol directly suppresses telomerase activity. Research from the University of California has shown that perceived psychological stress correlates directly with shorter telomere length and reduced telomerase activity. Women caring for chronically ill children — one of the highest chronic-stress populations studied — had telomeres corresponding to ten years of additional biological ageing compared to low-stress controls.

### **Inflammation:**

Paradoxically, chronic cortisol actually increases baseline inflammation over time, because the body develops cortisol resistance in inflammatory pathways. The anti-inflammatory effect of cortisol diminishes. The pro-inflammatory SASP from senescent cells accelerates. The result is systemic, chronic, low-grade inflammation — the underlying driver of virtually every major age-related disease.

### **Mitochondria:**

Cortisol reduces mitochondrial efficiency and promotes oxidative stress. Long-term HPA axis dysregulation is directly linked to mitochondrial dysfunction and accelerated cellular energy decline.

### **Epigenetics:**

Cortisol induces measurable epigenetic changes. Early life stress, ongoing psychological threat, and chronic HPA activation all leave epigenetic marks that alter gene expression in ways that accelerate ageing and increase disease vulnerability.

### **Brain:**

Chronically elevated cortisol damages the hippocampus — the area most responsible for memory and learning. It reduces neuroplasticity. It changes the way the brain processes threat, making it more sensitive and more reactive — creating a feedback loop that sustains the very stress response driving the damage.

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## **The Unconscious Stress Archive**

Here is the crucial point for this programme.

The HPA axis fires in response to perceived threat. Not actual threat. Perceived threat. And the perception of threat is managed, filtered, and in many cases

generated by the unconscious mind, based on a catalogue of past experiences, beliefs, and emotional programmes installed over a lifetime.

A person who experienced early childhood neglect may have a chronically active HPA axis because their unconscious has learned, at the deepest possible level, that the environment is unsafe. A person who carries unresolved grief runs cortisol patterns that reflect an ongoing, unresolved emergency. A person who has spent decades in chronic low-level anxiety has essentially never given their body permission to switch the stress response off.

The body does not know these threats are historical. It does not distinguish between what happened and what might happen. It responds to the signal.

Our task in this lesson — and in the extended process that follows — is to locate and begin to clear the unconscious stress archive. Not to suppress the stress response, which would be both impossible and undesirable. But to stop feeding it data that no longer serves.

## **The Role of DHEA: The Counter-Hormone**

It is worth introducing a critical counter-player to cortisol: dehydroepiandrosterone, or DHEA.

DHEA is produced by the adrenal glands alongside cortisol, but it functions as a biological counterweight. It is pro-regenerative, anti-inflammatory, neuro-protective, and immune-supporting. It is also the precursor to both oestrogen and testosterone — making it central to the hormonal balance that declines with age.

DHEA levels peak in the mid-twenties and decline with age — but they also decline in direct proportion to chronic stress. Cortisol and DHEA exist in an inverse relationship: as one goes up, the other tends to go down. Restoring that ratio is one of the most important physiological targets in anti-ageing medicine.

The HeartMath Institute has demonstrated that positive emotional states — particularly feelings of care, appreciation, and love — shift the cortisol-to-DHEA ratio favourably within minutes. The unconscious mind, generating those states authentically, is one of the most powerful DHEA production tools available.

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## THE PROCESS — SESSION TWO

### Clearing the Stress Archive

This session is going to take you into the architecture you established in Lesson One, but we are going to work in a specific area today. We are going to locate the stress archive — the accumulated record of unresolved threats, fears, and perceived dangers that are keeping your HPA axis primed — and we are going to begin the process of clearing it.

*Between lessons: Perform this process daily. Each time you return to the stress archive, the clearing agents will have made progress. Your task is simply to return and endorse the work.*

This is not about reliving difficult experiences. The process works with the unconscious directly, and the unconscious does not need to take you through the content in order to release it.

*Find your position. Settle. Breathe. And begin the next section. Ill see you next lesson*

*Close your eyes. Take that first deep breath — all the way in, and all the way out. Let your body remember the last time it felt completely safe. You don't need to locate a specific memory — just let your nervous system find the feeling. The body knows what safety feels like. Allow it to settle into that.*

*Two more breaths. Slow. Complete.*

*Now find yourself back at the entrance to the building — your building, your biology. You know the way in now. Walk through the entrance. Feel the hum of all those systems going about their work.*

*Take the corridor to your left — the one with the warm amber light. This is the hormonal corridor. As you walk it, you can feel it — a gentle background hum, like the sound a transformer makes. It is the constant, low-level activity of your endocrine system, managing the chemistry of your inner world moment by moment.*

*You come to a door. It is a large door, and it is warm to the touch. Behind it you can hear something — a kind of pressure. A contained energy. This is the stress archive.*

*Every threat your nervous system has ever catalogued and not yet fully resolved. Every perceived danger held in waiting. Every cortisol-generating programme running beneath the surface of your awareness.*

*You open the door.*

*Inside, the room is large — larger than you expected. It is filled with what appear to be boxes — hundreds of them, stacked carefully, labelled in a language you don't need to read consciously because some part of you understands each one. They contain what they contain. Old fears. Old emergencies. Old messages about the safety of the world.*

*You notice that some of these boxes are still active. They are warm. Some are even vibrating slightly — these are the ones that are still generating signal. Still sending the message: not safe. Not safe. Not safe.*

*You are not here to open the boxes. You are here to do something different.*

*In the centre of the room, there is a process already running. A small, quiet, remarkably efficient crew of what I can only describe as clearing agents — part of your own unconscious, deployed by your intent to be here. They are moving through the room. They are checking each box. And as they encounter those that no longer need to be active — those holding threats that are historical, resolved, or simply no longer relevant — they do something simple.*

*They turn off the signal.*

*Not destroying the memory. Not erasing the history. Simply deactivating the alarm. The emergency light goes off. The cortisol instruction withdraws. The HPA axis receives one less reason to fire.*

*Watch this happen. You don't need to direct it. Your unconscious knows which boxes these are. It has always known. It simply needed your permission, your presence, your conscious endorsement to begin the process.*

*Give it time. This room is large. Let the crew move through it.*

*As they work, you might notice a change in the atmosphere of the room. A lightening. A lowering of the background pressure. The hum in the walls quietens slightly. This is your cortisol level beginning to find its natural baseline.*

*Allow this to continue for as long as it needs to continue.*

*When the crew signals to you — and they will, in whatever way feels natural — that they have completed today's work, take a moment to look around the room. Notice what is different. It does not need to be dramatically different. Even a single box deactivated is one less signal. And over the days and weeks ahead, this process will continue — because you have now initiated it, and your unconscious will carry it forward.*

*Before you leave the room, walk to its centre. Place your hand over the area that represents your adrenal glands — just above the kidneys, at the base of your back. Send a simple message: balance. Not suppression. Not shutdown. Balance.*

*And now let yourself become aware of another presence in this room — the DHEA generators. Small, luminous, like pilot lights. They have been waiting. As the cortisol archive quietens, they begin to glow a little brighter. This is the natural counterbalance restoring itself. Let it happen.*

*When you are ready, leave the room, walk the amber corridor back to the entrance, and begin to return. Slowly. Completely. Bringing back the quiet.*

*Take a breath. Open your eyes. Welcome back.*

# Lesson Three: Telomeres, Telomerase, and the Biological Clock

## THE MECHANISM

In this lesson we go deep into the central biological target of this entire programme: the telomere. We are going to understand it fully — what it is, how it works, what shortens it, and critically, what can lengthen it. Then we are going to give your unconscious mind the most precise set of instructions it has ever received.

### The Architecture of the Telomere

Every cell in your body — approximately 37 trillion of them — contains 46 chromosomes. Each chromosome is a long, coiled strand of DNA carrying the genetic instructions that make you who you are. At the end of each chromosome is a telomere: a sequence of repetitive DNA (the sequence TTAGGG, repeated thousands of times) bound together with specialised protective proteins.

The function of the telomere is to protect the coding regions of the chromosome from damage during replication. Without them, each time a cell divides, small portions of the actual genetic code would be lost. Telomeres sacrifice themselves so the essential information is preserved.

Each division, the telomere loses approximately 50-200 base pairs. When telomeres reach a critically short length — typically below 4-5 kilobases — the cell enters crisis. It either undergoes apoptosis (programmed death) or senescence. Either way, it stops contributing to the health and maintenance of the body and often begins actively harming it.

### Telomerase: The Rebuilding Enzyme

Telomerase is a ribonucleoprotein — part protein, part RNA — that functions as a reverse transcriptase. It uses its own built-in RNA template to add new TTAGGG sequences back onto shortened telomeres, effectively rebuilding the cap.

Telomerase is expressed most actively in stem cells, germ cells, and cancer cells — cells that divide frequently and need to maintain their telomeres. In most adult somatic cells, telomerase expression is low. This is not because the gene for

telomerase has been deleted or permanently silenced. It is because it has been downregulated.

This distinction is everything. Downregulated means adjustable. The gene TERT (telomerase reverse transcriptase) is still there, in every one of your cells. It is waiting for the right conditions to be expressed more fully.

## **What Activates Telomerase**

This is the list that should change how you relate to this work:

### **Exercise**

Aerobic exercise, particularly endurance-based exercise, has been shown to increase telomerase activity in multiple cell types. Three months of regular aerobic exercise can produce measurable increases in telomere length.

### **Caloric restriction and fasting**

Caloric restriction — and its more practical cousin, intermittent fasting — activates AMPK and suppresses mTOR, shifting the cell into a repair-and-regenerate mode. Autophagy increases. Telomerase activity increases. Epigenetic clocks slow.

### **Mindfulness and meditation**

Multiple studies have now shown that experienced meditators have longer telomeres and higher telomerase activity than age-matched non-meditators. A 2013 study by Epel, Daubenmier et al. showed that a mindfulness-based intervention increased telomerase activity by 30% over three months. The mechanism appears to be via reduced cortisol and reduced perceived stress — both of which directly suppress TERT expression.

### **Loving-kindness and positive social connection**

Studies on loving-kindness meditation show telomerase increases independent of general mindfulness practice. Social connection and perceived belonging also correlate with longer telomeres — with loneliness being one of the most aggressive telomere shorteners identified.

### **Certain nutraceuticals**

Astragalus (via its active component TA-65), resveratrol, NAD<sup>+</sup> precursors (NMN, NR), omega-3 fatty acids, and vitamin D all show evidence of telomere-protective

effects. These work synergistically with the psychological interventions, not instead of them.

### **Deep, restorative sleep**

The majority of cellular repair — including telomere maintenance — occurs during deep slow-wave sleep. Chronic sleep deprivation is a potent accelerator of telomere shortening. The stress archive clearance work from Lesson Two directly supports sleep quality.

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## **The Unconscious and TERT Expression**

Here we enter territory that is less explored but no less real.

Gene expression is regulated by a complex interplay of transcription factors, epigenetic marks, non-coding RNA, and signalling molecules — all of which are produced in response to conditions both inside and outside the cell. Those conditions are shaped, in turn, by the hormonal and neurochemical environment of the body. And that environment is shaped by the unconscious mind.

The chain of command runs: unconscious perception → neurochemical signal → hormonal environment → cellular signalling → gene expression. This is not a marginal influence. It is a direct, biological pathway.

When we work in trance — particularly in the deep states you will be entering as this programme develops — we are working at the level of cellular signalling. We are sending new instructions down the chain. We are changing the conditions in which TERT is expressed.

Your unconscious has always had access to this machinery. The GOSH protocol, the Inner Journey, the Deep Architecture processes — all of these in their own way have always worked at this level, clearing the obstructions, raising the vibration, restoring coherence. We are now naming the cellular target explicitly. We are giving the unconscious a precise biological instruction alongside its experiential process.

That combination — precision and depth — is what makes this programme different.

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## THE PROCESS — SESSION THREE

### Speaking to the Telomere

This session is the most direct biological communication process in the programme. We are going to work at the level of the chromosome itself — using the mind pool architecture as the carrier and the telomere as the specific target. Your unconscious mind knows exactly where these structures are. Every cell in your body does.

*Between sessions: This process can be shortened to a five-minute practice — simply descend, find the representative cell, activate the telomerase, extend the awareness. Do this each morning and each evening*

*Settle fully before beginning the next section for the session. This process benefits from longer preparation. Ill see you next lesson*

*Close your eyes. Take three long, slow breaths. With each one, allow yourself to sink more deeply into the support beneath you. Let gravity do its work. Let your body release.*

*Find yourself now in the central room — the control room at the heart of your biology. You know this room. The console is there, waiting for your hands. The telomere displays are visible on the walls.*

*Today we are going further down.*

*At the base of the control room, there is a staircase that you have not yet taken. It spirals downward, lit by a cool blue-white light. This light is cellular light — the bioluminescence of living systems, the faint glow that every healthy cell produces. It is not imagined. It is real. Your cells do emit light. You are now following it down.*

*Step by step. Deeper and deeper. Each step takes you smaller, in a sense — closer to the microscopic level of your own biology. The walls as you descend seem to shift and change, becoming less architectural and more organic. You can see the texture of things. The density. The aliveness.*

*You arrive at the bottom of the stairs in a chamber unlike the rooms above. This chamber is vast in one direction and intricate beyond measure in another. It is the cellular level. 37 trillion points of light, each one a cell, each one doing its work.*

*You walk forward until you find one cell — the representative cell, chosen by your unconscious to stand for all of them. It glows in the cool blue-white light before you, large enough now that you can see its structures clearly.*

*At the centre: the nucleus, warm and luminous, holding the chromosomes — 46 of them, each one a long, coiled thread of instruction. And at the end of each thread: the telomere. You can see them. Caps of light. Protective, precise, essential.*

*You look at their length. Without judgment. Simply as information.*

*Now, from somewhere within the cell — from the cellular machinery itself — a process begins. The telomerase enzyme activates. You can see it: a small, elegant molecular machine, moving with purpose toward the telomere. It carries its template. It knows exactly what to do.*

*Watch as it begins to add. Each new sequence clicking into place — TTAGGG, TTAGGG, TTAGGG — the cap extending, lengthening, restoring. The cell's capacity to divide safely, to repair, to maintain — all of this increasing with each addition.*

*Your conscious awareness of this process is not incidental. It is part of the signal. Your presence here — your intention, your focus, your biological authority — is amplifying the conditions for this to happen. You are not watching passively. You are participating.*

*Now extend your awareness outward, from this one representative cell to all of them. All 37 trillion. The instruction moving through the system like a wave: rebuild. Restore. Extend. Each telomere receiving the signal. Each TERT gene receiving the invitation to express more fully.*

*Let this move through your body. Let it be systemic. Let your unconscious carry it to every cell that needs it.*

*Take as much time as you need here. The process does not end when you emerge from trance — it continues. You are initiating something that your body will carry forward.*

*When you are ready, begin your ascent. Slowly, step by step, back up the spiral staircase. The cool light accompanying you. Returning to the control room, to the architecture, to your full-sized self.*

*Back to the surface. Back to this room. Back to this breath.*

*Breathe. Open your eyes. Come back slowly.*

# Lesson Four: Inflammation, the Silent Accelerator

## THE MECHANISM

There is a term in geroscience — the science of ageing — that has become one of the most important in the field: inflammaging. It is the combination of 'inflammation' and 'ageing', and it describes a state of chronic, low-grade systemic inflammation that both causes and accelerates biological ageing.

Understanding inflammaging is understanding one of the primary biological reasons people age faster than they need to. And understanding its causes — many of which are psychological — opens the door to addressing it at its source.

## What Is Inflammation?

Inflammation is the immune system's response to threat. Pathogens, injuries, toxins — the immune system identifies them, mounts a response, clears the threat, and then — critically — withdraws. Acute inflammation is essential to life.

The problem occurs when inflammation does not withdraw. When the immune system continues to produce pro-inflammatory cytokines — signalling molecules including interleukin-1 $\beta$ , interleukin-6, and tumour necrosis factor-alpha (TNF- $\alpha$ ) — in the absence of an active infection or injury, the inflammatory state becomes systemic and chronic.

This chronic state:

- Accelerates cellular senescence and increases SASP (the inflammatory secretome of senescent cells)
- Damages mitochondrial membranes, reducing cellular energy output
- Shortens telomeres directly via oxidative stress
- Promotes epigenetic changes associated with disease and ageing
- Disrupts insulin signalling and metabolic function
- Directly damages neural tissue, increasing the risk of neurodegenerative disease

Inflammaging is present in virtually every age-related disease — heart disease, diabetes, Alzheimer's, cancer, arthritis. It is not merely a symptom of ageing. It is a cause.

## **The Psychological Drivers of Inflammaging**

The production of pro-inflammatory cytokines is regulated by the nervous system and the immune system, both of which are directly influenced by psychological state. This is the domain of psychoneuroimmunology, and the evidence is clear:

### **Chronic stress**

As we established in Lesson Two, chronic cortisol creates cortisol resistance in inflammatory pathways, resulting in sustained inflammation rather than the anti-inflammatory effect acute cortisol is designed to produce. Chronic psychosocial stress is a primary driver of elevated IL-6 and TNF- $\alpha$ .

### **Loneliness and social disconnection**

This finding from Steve Cole at UCLA is among the most significant in the field. Lonely individuals show consistent upregulation of pro-inflammatory gene expression — not because of any pathogen or injury, but because the unconscious threat-detection system interprets social isolation as danger. In evolutionary terms, exclusion from the group was a death sentence. The body still responds as if it is.

### **Depression and unresolved grief**

Major depression is associated with a 50-100% increase in circulating IL-6 and CRP (C-reactive protein), a primary inflammatory marker. The relationship is bidirectional — inflammation causes depression-like symptoms, and psychological depression drives inflammation. Unresolved grief maintains this state indefinitely.

### **Trauma and PTSD**

Post-traumatic stress produces measurable long-term elevation of pro-inflammatory cytokines. The threat, once encoded into the stress archive, continues to signal the immune system as if the event is ongoing.

### **Unforgiveness and resentment**

This may surprise some, but the immune science is robust. Holding unresolved resentment — particularly without conscious awareness of doing so — maintains low-

level sympathetic nervous system activation that directly sustains inflammatory signalling. Forgiveness interventions (and their trance-based equivalents) show measurable anti-inflammatory effects.

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## **Anti-Inflammatory Signals the Unconscious Can Generate**

The same logic applies in reverse. The unconscious, when given the right conditions, is one of the most powerful anti-inflammatory systems available.

The vagus nerve — the primary nerve of the parasympathetic nervous system — produces a direct anti-inflammatory signal via the cholinergic anti-inflammatory pathway. The neurotransmitter acetylcholine, released by vagal tone, directly suppresses macrophage production of pro-inflammatory cytokines. Practices that increase vagal tone — deep, slow breathing, positive social engagement, loving states, deep relaxation — reduce systemic inflammation measurably.

Oxytocin, the so-called bonding hormone, is also powerfully anti-inflammatory and is generated by states of love, connection, care, and safety. It is produced by the hypothalamus and released by the posterior pituitary — entirely under the regulation of the unconscious.

In the process that follows, we will work specifically with vagal activation and oxytocin generation — not metaphorically, but biologically — alongside the deep clearing of the specific psychological drivers of inflammation identified above.

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## **THE PROCESS — SESSION FOUR**

### **The Anti-Inflammatory Field**

*This is a longer process.*

*Between lessons: The four-count in, six-count out breath is your portable anti-inflammatory tool. Ten breaths this way, three times per day, produces measurable increases in vagal tone over four weeks. Do not underestimate it.*

So get yourself comfortable move to the next section, and we will begin the process.  
And ill see you next week

*Close your eyes. Take a long slow breath — all the way in, right down to the belly — and let it go. Take another. And another. With each breath, allow the exhale to be just a little longer than the inhale. This is how we activate the vagus nerve directly. A longer exhale is a parasympathetic signal. Your nervous system is already shifting as you do this.*

*Breathe. Four counts in. Six counts out. Let your body feel the change.*

*As you breathe, imagine the vagus nerve — the great wandering nerve that travels from your brainstem all the way through your chest and abdomen — beginning to hum with increased tone. Like a guitar string tightened to its correct pitch. It carries the signal of safety through every organ it passes through. Your heart rate variability is increasing. Your gut relaxes. Your immune cells receive the message: stand down.*

*Let yourself drift now. Find the warm, deep comfort of trance. The place where the conscious mind quietens and the deeper systems of the self come forward.*

*When you are fully settled, find yourself in a space that is neither indoor nor outdoor — somewhere that is both. The light here is golden and diffused. The air is warm. You are not looking at your biology from the outside this time. You are inside it — inside the felt sense of your own living body — but as a compassionate observer.*

*From here, scan.*

*Begin at the crown of your head and move slowly, slowly downward. You are looking for heat. For friction. For places where the inflammatory signal is elevated — you will recognise it as a kind of over-activity, a busyness, a low-grade irritation or tightness. When you find one, pause.*

*Do not try to suppress it. Do not fight it or push against it. Simply ask it a question: what are you responding to? What threat are you still perceiving?*

*Let whatever arises, arise. An image. A feeling. A memory. A person. A situation. You do not need to analyse it. Your unconscious will bring forward what needs to be brought forward. Your only job is to receive it.*

*And then: send it love. This is not poetic language. Oxytocin generation begins with the neurological equivalent of a loving state — and a loving state is within your capacity to generate right now, in this moment, regardless of what has arisen. The love does not need to be for the situation or the person. It can be for your immune system itself — working so hard, for so long, responding to threats it was never designed to hold this long.*

*I'm sorry. Thank you. I release you now.*

*Feel the heat in that area begin to shift. Not forced. Not dramatic. Simply — changing. The inflammatory signal receiving a new input. The cytokine cascade receiving a quieter instruction.*

*Continue scanning. Through the chest, the abdomen, the lower back, the hips, the legs. Anywhere the immune system has been holding an unnecessary alert, you are now giving it permission to stand down.*

*When your scan is complete, bring your awareness to your whole body at once. Imagine a cool, blue-green light — the colour of deep, clear water — beginning to permeate from the inside out. This is the anti-inflammatory field. It is generated by your own vagal tone, your own oxytocin, your own parasympathetic authority over your immune system.*

*Let it spread. Every cell bathed in it. Every tissue receiving its signal. The telomeres extending a little more easily now that the oxidative pressure of chronic inflammation is reduced. The mitochondria functioning more cleanly. The cellular machinery humming at a better frequency.*

*This is your anti-inflammatory field. It belongs to you. It was always yours to generate. Stay here as long as you need.*

*When you are ready, take a breath, stretch gently, and return. Bring the field back with you.*

# Lesson Five: The Hormonal Symphony — Growth Hormone, Melatonin, and the Regenerative Night

## THE MECHANISM

We have addressed the hormones of ageing acceleration — cortisol and the inflammatory cascade. Now we turn to the hormones of regeneration. The ones that, when present and properly regulated, slow the clock, rebuild tissue, and maintain the biological conditions of youth.

Two stand above the others for our purposes: human growth hormone (HGH) and melatonin. Both are predominantly produced during sleep. Both decline with age. Both can be influenced by the conditions the unconscious mind creates.

### Human Growth Hormone

HGH is produced by the anterior pituitary gland under instruction from the hypothalamus, and it is one of the most potent regenerative signals in the human body. It promotes:

- Protein synthesis and muscle repair
- Fat metabolism and body composition maintenance
- Cellular regeneration and tissue repair
- Immune function
- Collagen production (skin, connective tissue, joints)
- Bone density maintenance
- Mitochondrial biogenesis — the creation of new mitochondria

HGH peaks in the third decade of life and declines at approximately 14% per decade thereafter — one of the most consistent biological signatures of ageing. However, its decline is not purely chronological. It is condition-dependent.

HGH is released in pulses, primarily during the first few hours of deep sleep (slow-wave sleep, stages 3 and 4). Its production is suppressed by:

- High blood glucose and insulin (particularly at night)
- Cortisol

- Poor sleep architecture
- Obesity (via elevated somatostatin)
- Chronic stress

It is stimulated by:

- Deep slow-wave sleep
- Intense exercise
- Fasting
- Cold exposure
- Certain amino acids (arginine, ornithine, glutamine)
- And — critically — by psychological states of playfulness, creativity, and expansive, forward-oriented imagination

This last point deserves emphasis. The hypothalamic instruction for HGH release is influenced by neurochemical environments associated with positive anticipation, creative engagement, and what might be described as the spirit of youth — the neurological state of open, curious, generative engagement with the world. This is not metaphor. The neuroendocrinology of play and creativity directly influences hypothalamic GH-releasing hormone (GHRH) production.

## **Melatonin: The Master Antioxidant and Circadian Anchor**

Melatonin is produced by the pineal gland in response to darkness, and it is much more than a sleep signal. It is:

- A powerful direct antioxidant — neutralising free radicals and reducing oxidative damage to mitochondria, DNA, and telomeres
- A mitochondrial protector — melatonin accumulates specifically in mitochondria, where oxidative stress is highest
- A telomere protector — melatonin reduces the oxidative damage that accelerates telomere shortening
- An immune modulator — melatonin has both pro-immune and anti-inflammatory effects depending on context

— An epigenetic regulator — melatonin influences the expression of multiple genes related to ageing, inflammation, and circadian rhythm

Melatonin declines with age — dramatically so, with levels in the elderly sometimes representing only 10-20% of youthful output. This decline is accelerated by light exposure at night, chronic stress, electromagnetic disruption, and — importantly — by the psychological states associated with chronic anxiety and hypervigilance, which suppress pineal function via the sympathetic nervous system.

The pineal gland is exquisitely sensitive to the state of the nervous system. A relaxed, coherent, psychologically safe nervous system produces melatonin well. A chronically stressed, hypervigilant one does not.

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## **Sleep Architecture and Biological Renewal**

The reason we are focusing on sleep in this lesson is simple: the majority of biological regeneration — including HGH release, melatonin production, cellular repair, memory consolidation, immune function, and telomere maintenance — occurs during sleep. Specifically, during deep slow-wave sleep and REM sleep.

Poor sleep is not merely fatiguing. It is biologically ageing. One night of sleep deprivation produces measurable increases in cortisol, inflammatory markers, and insulin resistance. Chronic poor sleep produces measurable shortening of telomeres.

The greatest single intervention for biological ageing, by many metrics, is restoring deep, restorative sleep architecture. And the greatest barrier to that, for most people, is not physical — it is the unresolved content of the stress archive, and the chronic background activation of the threat-response system.

The work of Lessons Two and Four has already been addressing this indirectly. The process tonight targets it directly.

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## **THE PROCESS — SESSION FIVE**

### **The Regenerative Night**

This process is designed to be done in bed, immediately before sleep. The intention is not to complete the trance and then fall asleep — the intention is to allow the trance to become sleep. To let the boundary between guided process and natural sleep be seamlessly crossed, so that the instructions given in trance continue to be carried out by the unconscious as sleep deepens.

*Note: Do not try to stay conscious through this process. The moment you cross into sleep is the moment the instructions have been received at the deepest level. This is the point.*

*So play it as you lie in bed in the dark. Let yourself go. Ill see you on the next lesson*

*Lie on your back. Close your eyes. Let the darkness settle around you.*

*Take a long breath in through your nose — hold it gently for just a moment — and release through the mouth. Twice more.*

*As you lie here in the dark, your pineal gland — a small, pine-cone-shaped structure at the very centre of your brain — begins to respond. It has been waiting for this: the darkness, the stillness, the signal of safety. It begins to produce melatonin. You can imagine this as a warm, deep indigo light, gathering at the centre of your skull and beginning to spread — through your brain, through your nervous system, through every cell of your body.*

*The melatonin reaches your mitochondria. Each mitochondrion receives its protector. The free radicals that accumulate during the day are neutralised. Your DNA is being shielded. Your telomeres are being shielded.*

*Let the indigo spread. Let it settle. Let it deepen.*

*As your body sinks into the mattress — heavier, softer, more completely relaxed — your hypothalamus sends an instruction to your pituitary gland. The instruction is simple: build. Repair. Regenerate. Human growth hormone is preparing to pulse.*

*Imagine now — as you drift deeper and deeper — that your body is a landscape at nightfall. The activity of the day has quietened. The repair crews are arriving. In every tissue, in every organ, in every structure that needs maintenance, the work*

*begins now. Quietly. Precisely. Without effort on your part. This is what your body does when you let it.*

*Your skin cells divide and renew. Your muscle fibres, any micro-damage from the day's activity, are repaired and strengthened. Your cartilage receives nutrients it cannot receive during the demands of waking. Your brain — the glymphatic system activating — flushes the metabolic waste products that have accumulated since morning.*

*And at the cellular level: telomerase is active. The rebuilding continues, quietly, steadily, throughout the night.*

*You don't need to stay awake for this. In fact, sleep is the process. As you drift now — deeper and deeper — each stage of sleep carries its own specific restoration. And your unconscious, which does not sleep, which carries your intent forward through all the stages, knows exactly what is needed and where.*

*Give your body the gift of the night. Let go of the day. Let go of tomorrow. This moment — this dark, warm, quiet moment — is complete in itself.*

*Let yourself go.*

# Lesson Six: Epigenetics — The Ageing You Can Rewrite

## THE MECHANISM

Of all the hallmarks of ageing, epigenetic drift is perhaps the most hopeful. Not because it is the easiest to address, but because it is the most reversible.

Your DNA sequence — the actual letters of the genetic code — is, with very few exceptions, fixed. But the epigenome — the system of chemical marks that determines which genes are expressed, when, and to what degree — is dynamic. It is a living, responsive system that changes in response to environment, behaviour, nutrition, stress, and psychological state throughout life.

And it can be changed back.

## What the Epigenome Is

The epigenome is primarily composed of two types of modification: DNA methylation and histone modification.

### DNA Methylation

Methyl groups (CH<sub>3</sub>) are added to specific positions on the DNA strand — typically to cytosine bases at sites called CpG islands. When a gene's promoter region is methylated, the gene is generally silenced. When it is unmethylated, the gene can be expressed. The pattern of methylation across the genome determines much of what your cells do, what they are, and how they age.

The Horvath clock — one of the most accurate biological age estimators ever developed — is based entirely on the methylation patterns at specific CpG sites across the genome. It can predict biological age (as opposed to chronological age) with remarkable accuracy. And crucially, interventions that slow or reverse ageing — caloric restriction, exercise, psychological coherence practices — produce measurable changes in these methylation patterns.

### Histone Modification

DNA is wound around protein structures called histones. The chemical modifications to these histones — acetylation, methylation, phosphorylation — determine how tightly the DNA is packed and therefore how accessible the genes are. Loosely packed

chromatin (euchromatin) allows gene expression. Tightly packed chromatin (heterochromatin) suppresses it.

Ageing is associated with a characteristic loss of heterochromatin at certain regions — including repetitive sequences like telomeres — and an increase in it at others. This leads to the expression of genes that should be silenced and the silencing of genes that should be active.

## **The Psychological Epigenome**

This is where the work of this programme becomes directly relevant to epigenetics.

The field of epigenetics was changed fundamentally by the discovery that psychological experiences leave epigenetic marks — and that those marks can be inherited. Work on Holocaust survivors and their children, on mothers who experienced the Dutch Hunger Winter, on war veterans — all showed heritable epigenetic changes that altered stress reactivity, metabolism, and disease risk in subsequent generations.

This is sobering. But it is also instructive, because it proves the pathway: psychological experience → epigenetic modification → biological change. The pathway works in both directions.

Positive psychological interventions — mindfulness, loving-kindness practice, psychotherapy, deep trance work — produce measurable epigenetic changes. Studies on yoga practitioners, meditators, and recipients of psychological trauma treatment all show normalisation of aberrant methylation patterns and restoration of more youthful epigenetic configurations.

Steve Cole's work at UCLA on 'genomic psychology' has shown that psychological states of loneliness, threat, and social defeat produce systematic upregulation of pro-inflammatory gene expression within days — and that states of connection, meaning, purpose, and safety produce the opposite. These are epigenetic shifts happening in real time.

## **The Identity-Epigenome Connection**

Here we enter the deepest territory of this lesson.

Your sense of self — your identity, your self-concept, your unconscious narrative about who you are and what your life means — is one of the most powerful epigenetic regulators available. This is because the systems that determine identity (the limbic system, the default mode network, the HPA axis) are in constant communication with the cellular environment.

A person who believes at the unconscious level that they are deteriorating, that their best years are behind them, that decline is inevitable — that belief is not merely philosophical. It is epigenetic instruction. The unconscious translates it into neurochemical signals that modify gene expression in exactly the direction of the belief.

This is not blame. It is mechanism. And the same mechanism that encodes the belief can be used to change it.

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## THE PROCESS — SESSION SIX

### **The Epigenetic Rewrite**

This is one of the most profound processes in the programme. We are going to enter the epigenetic level — not metaphorically, but as a real communication with the systems that regulate gene expression — and we are going to work on two things simultaneously: the methylation patterns associated with accelerated ageing, and the identity narrative that has been generating the instructions to age.

*Between sessions: Notice the story you tell about your age and your body. Every time you catch the old narrative, replace it — not with forced positivity, but with the biological truth: your cells are listening, and they respond to instruction.*

*Allow time for this session. Do not attempt it when rushed or tired. When your ready go to the next section to play, and ill see you next time.*

*Begin by sitting comfortably. Close your eyes. Take a long, slow breath, and as you exhale, allow every muscle in your face to release. The jaw. The brow. The space behind the eyes. Let everything soften.*

*Breathe again. And as you do, let your identity — your sense of who you are, what you are, how you move through the world — loosen slightly. Not disappear. Simply... loosen. Like clothing worn too long in the same position. You are still entirely you. But there is a tiny bit more room.*

*Drop down now through the levels. Through the conscious mind, through the personal unconscious, through the cellular level, down to where the DNA lives. You know the way. The spiral staircase. The cool light. The cellular chamber.*

*But today, go further. Below the cellular chamber, there is another level. You have not been here before. It is quieter here. More ancient. The light is different — amber and gold, warm and deep. This is the epigenetic level. This is where the instructions that govern your cells live.*

*The walls here are covered in a kind of living script — patterns of light and shadow, the methylation marks and histone configurations that tell your genes what to do. You cannot read them consciously — but your unconscious can. And more than read them — it can edit them.*

*You become aware, as you move through this space, of patterns that are out of alignment. Places where the script has drifted from its original, youthful configuration. You don't need to understand them intellectually. Your unconscious recognises them the way a musician recognises a wrong note — not by analysis, but by resonance.*

*And now — from somewhere deep in your biological heritage, from the cellular intelligence that has been running your body since before you had a conscious thought — an editing process begins. It is precise, unhurried, and confident. It knows exactly what the original score looks like. It has never forgotten. It is simply been waiting for the right conditions to begin restoring it.*

*Watch the methylation patterns shifting. Marks being added where silencing is needed. Marks being removed where expression needs to return. The histone configurations relaxing and tightening in the right places. The pro-inflammatory gene programmes being switched down. The repair and regeneration programmes being switched up.*

*And alongside this cellular work — a deeper process.*

*Somewhere at the intersection of this biological editing and your sense of self, there is a story. A story about you and time. A story about you and ageing. It has been telling itself so quietly for so long that you may not even know you are hearing it. But your epigenome has been listening to every word.*

*Let that story surface now. Not to judge it. Not to be ashamed of it. Simply to hear it – perhaps for the first time – and then to ask: is this the story I choose to continue telling?*

*And if not: what is the story that is actually true?*

*The truth – the biological truth, the quantum truth, the Sanomentological truth – is that your cells are capable of regeneration you have not yet accessed. That the intelligence running your body is ancient and extraordinary. That the relationship between mind and cellular biology is more direct, more responsive, and more powerful than almost any narrative about ageing has ever told you.*

*Tell that story instead. Not as affirmation. As reality. As the new instruction set.*

*Let the epigenetic editing process receive this new narrative and encode it. Let the biological level and the identity level synchronise around the same truth.*

*Take your time here. This is deep work.*

*When you are ready, rise. Through the levels. Back to the surface. Back to your full self. Carrying the rewrite with you.*

# Lesson Seven: The Gut, the Microbiome, and the Ageing Ecosystem

## THE MECHANISM

No programme about ageing that claims to be thorough can ignore the gut. Not because the gut is fashionable — it is — but because the evidence is overwhelming: the gut microbiome is one of the most significant determinants of biological age, immune function, inflammation, brain health, and hormonal balance.

And the microbiome is profoundly responsive to psychological state.

## The Gut as an Ageing Organ

The gastrointestinal tract is home to approximately 38 trillion microorganisms — bacteria, fungi, viruses, archaea — collectively referred to as the microbiome. This community is not a passenger. It is a co-regulator of virtually every system relevant to ageing.

With age, the microbiome undergoes a characteristic shift: diversity decreases, beneficial species (particularly Bifidobacterium and Lactobacillus) decline, and inflammatory species increase. This dysbiosis (microbial imbalance) contributes directly to:

- Increased intestinal permeability ('leaky gut'), allowing bacterial endotoxins into the bloodstream and driving systemic inflammation
- Reduced production of short-chain fatty acids (SCFAs) like butyrate, which regulate immune function, epigenetics, and intestinal health
- Impaired production of neurotransmitters — the gut produces 95% of the body's serotonin, significant amounts of GABA, and multiple other neuroactive compounds
- Dysregulation of the gut-brain axis, affecting mood, cognition, and stress reactivity
- Reduced synthesis of certain B vitamins and other nutrients
- Altered hormone metabolism, including oestrogen recycling and cortisol regulation

## The Gut-Brain-Ageing Triangle

The gut and brain are in constant bidirectional communication via the vagus nerve, the enteric nervous system (the gut's own neural network, sometimes called the 'second brain'), and the microbiome's production of neuroactive compounds.

Chronic stress — via cortisol and sympathetic activation — directly alters gut motility, reduces mucosal immunity, and changes the microbial ecosystem. A stressed nervous system creates a stressed gut, which creates more inflammation, which feeds back into the stress response. This is a core ageing loop.

Conversely, a healthy, diverse microbiome produces compounds that reduce cortisol reactivity, support serotonin production, and reduce the inflammatory signalling that drives ageing throughout the body. Restoring microbial health is therefore not simply a digestive intervention — it is a systemic anti-ageing intervention.

## **The Psychobiome: How the Mind Shapes the Microbiome**

The term 'psychobiome' describes the relationship between psychological state and microbial composition. The evidence for this relationship is now substantial:

Perceived stress consistently reduces microbial diversity, particularly *Lactobacillus* species. Loneliness alters microbial composition in ways that increase inflammatory signalling. Depression is associated with characteristic dysbiosis patterns that are partially reversed by anti-inflammatory interventions. Conversely, positive affect, social connection, and relaxation practices are associated with higher microbial diversity and abundance of beneficial species.

This means the deep trance work of this programme is not only clearing the stress archive and reducing cortisol — it is directly improving the conditions in which a healthy, diverse, anti-inflammatory microbiome can thrive.

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### **THE PROCESS — SESSION SEVEN**

## **Healing the Inner Ecosystem**

*This process works directly with the gut. As you listen Position yourself comfortably with your abdomen uncompressed. Ill see you next time*

*Close your eyes. Begin with three long, slow breaths — with each exhale, allow your belly to fully release. Let the abdomen soften completely. No holding.*

*Bring your awareness gently to your gut — the long, complex, extraordinary living system that occupies most of your abdomen. This is not a simple organ. This is an ecosystem. A rainforest of life, teeming with intelligence that has been co-evolving with your species for millions of years.*

*Place your hand on your lower abdomen if you wish. Send warmth.*

*Now, allow yourself to shrink — not literally, but perceptually — until your awareness can enter the gut itself. You are moving through the layers of the intestinal wall. The muscle layers. The submucosa. The mucosa. And then, into the lumen — the vast, warm, complex interior world of your own gut.*

*It is different here to how you might have imagined. It is not clinical. It is alive. The walls are lined with villi — finger-like projections, each one covered in thousands of even smaller microvilli, creating a surface area the size of a tennis court within this small space. And across this surface, a community.*

*You can see the microbiome. Not with your eyes, but with something deeper — a kind of ecological sense. You can feel the diversity of it. The balance — or imbalance — of it. The places where the beneficial community has thinned. The places where inflammatory species have grown too numerous.*

*You are not here to fight. You are here to restore conditions.*

*From the walls of the intestinal lining — from the immune cells that line the gut — a signal goes out: peace. This environment is safe. The beneficial organisms receive this signal and respond by multiplying, by flourishing, by producing the butyrate and serotonin and GABA that feed the brain and calm the nervous system.*

*And the inflammatory species, deprived of the cortisol environment they thrive in, begin to thin.*

*You watch the balance shift. Slowly, but perceptibly. This is a process that will continue long after this session — every meal you choose, every night you sleep well, every moment you reduce the stress signal is a vote for this ecosystem.*

*But this trance itself is also a direct intervention. Your immune system, your enteric nervous system, your vagal tone — all are changing right now, in response to your presence here and the signal you are sending.*

*Take a moment to feel gratitude for this system. For everything it processes, filters, absorbs, and produces on your behalf, day after day, without complaint. It is extraordinary. It deserves your attention.*

*When you are ready, allow your awareness to expand back to your full size, your full self. Feel your abdomen with new knowledge of what lives there. Feel the warmth.*

*Take a long breath. Come back slowly.*

# Lesson Eight: Autophagy, Cellular Recycling, and the Art of Letting Go

## THE MECHANISM

There is a process in your body that Nobel Prizes have been won for understanding, that scientists have called the most important anti-ageing discovery of the last fifty years, and that has been a fundamental feature of biological life for billions of years.

It is called autophagy. And it is essentially your cells eating themselves — intelligently, selectively, and with profound regenerative purpose.

## What Autophagy Is

Autophagy (from the Greek for 'self-eating') is the cellular process by which damaged, misfolded, or superfluous cellular components — proteins, organelles, debris — are tagged, engulfed by cellular membranes, and broken down into their constituent parts to be recycled or eliminated.

It is the cellular equivalent of deep cleaning, waste removal, and spare-parts recycling happening simultaneously. When it functions well, the cell is maintained in a state of remarkable efficiency. When it declines — as it does with age, with chronic mTOR activation, and with specific psychological and dietary conditions — damaged components accumulate. Protein aggregates form. Dysfunctional mitochondria persist. Cellular debris builds up. The cell ages.

Yoshinori Ohsumi received the 2016 Nobel Prize in Physiology or Medicine specifically for his work characterising the molecular mechanisms of autophagy. The scientific community's recognition of its centrality to health and ageing is now unambiguous.

## What Activates Autophagy

Autophagy is downregulated by cellular abundance — particularly by the mTOR pathway, which is activated by amino acids, insulin, and growth factors. When the cell perceives plenty, it prioritises growth. When it perceives scarcity, it switches to recycling and efficiency.

This is why the most potent activators of autophagy are:

- Fasting and caloric restriction — the most powerful activators known. Even 16 hours without food produces significant autophagy induction in most cell types.
- Exercise — intense physical activity activates autophagy via AMPK activation and mTOR suppression.
- Sleep — autophagy increases significantly during sleep, another reason why restorative sleep architecture is central to biological age.
- Cold exposure — mild cold stress activates cellular stress responses that include autophagy.
- Specific compounds — including rapamycin (an mTOR inhibitor), spermidine (found in fermented foods), resveratrol, and EGCG from green tea.

## **The Psychological Parallel: Emotional Autophagy**

Here is where this lesson takes a turn that may surprise you.

The Sanomentological framework has always understood that physical cellular processes have psychological parallels — not as metaphor, but as resonance. Processes that exist across all planes operate according to the same underlying principles at each level.

Autophagy at the cellular level is the process of identifying what is no longer functional, detaching from it, breaking it down, and recycling its components into something new. This is not different in principle from what we do emotionally and psychologically when we genuinely let go — not suppress, not avoid, but actually process and release.

The psychological barriers to autophagy mirror the cellular ones. Chronic mTOR activation at the cellular level corresponds, in psychological terms, to a state of perpetual striving, accumulation, and holding. The mind that cannot let go, cannot release, cannot complete its emotional cycles — this is a mind that suppresses the psychological equivalent of autophagy.

And here is where it connects directly to the cellular level: that same psychological state drives the hormonal conditions (elevated insulin, elevated cortisol, elevated growth factors) that suppress cellular autophagy.

The process tonight works at both levels simultaneously.

## The Art of Incompletion

Many of the things being held in the psychological equivalent of damaged protein aggregates are incomplete cycles: unfinished relationships, unresolved griefs, unexpressed responses to events long past, identities that have outlived their usefulness, beliefs about self that were installed by others and never genuinely adopted.

Completion — the conscious, trance-facilitated act of bringing these cycles to a close — is one of the most powerful things you can do for your biology. Not suppression. Not avoidance. Completion.

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### THE PROCESS — SESSION EIGHT

## The Cellular Completion

When you are ready for the session move to the next section and play it. Ill see you on the next lesson

*Close your eyes. Breathe in slowly. And as you exhale, let something go. Whatever is sitting at the surface — a tension, a thought, a holding. Let it go.*

*Again. And again. With each exhale: releasing.*

*Let yourself drift down through the levels. Through the architectural building of your biology. Past the hormonal corridors. Past the cellular chamber. Down the spiral staircase. Into the deep warmth of the cellular level.*

*Today, the light in this chamber is different. It is amber and green — the warm light of renewal and recycling. And you can see, as your awareness settles, that something is happening throughout the cellular space. The autophagy process is active — your unconscious has been preparing for this session. Cellular debris is being tagged, wrapped in membrane, broken down. The recycling is under way.*

*But there are some aggregates that are larger than the cells themselves can manage alone. Not because the cellular machinery is inadequate — but because these*

*accumulations have been fed and sustained by something from above. By the psychological level. By incomplete cycles and unresolved content.*

*Allow your awareness to rise slightly, to the psychological level — to the place where emotion and cellular signal meet. And ask, simply: what have I been holding that no longer serves?*

*Let whatever arises, arise. An image. A feeling. A name. A situation. An identity. You don't need to justify it or understand it fully. Your unconscious knows. It has been waiting for this question.*

*And now: the completion process. For each thing that arises, you are going to do what the autophagy process does at the cellular level. You are going to acknowledge it — fully, without flinching. You are going to extract from it whatever is still useful — the learning, the growth, the strength it required of you. And you are going to release the structure itself.*

*Not in anger. Not in relief necessarily. Simply — with the quiet, almost biological efficiency of a cell completing a cycle.*

*This no longer serves. I take from it what I need. I release the rest.*

*As you do this, watch the cellular level respond. The large aggregates beginning to break down. The recycling machinery working more efficiently without the sustained signal from above. The cellular environment clearing.*

*This may take more than one session. The accumulation of a lifetime does not clear in an hour. But each session begins the process, and the process — once begun — continues.*

*Take your time.*

*When you are ready, come back through the levels. Lighter. Genuinely lighter — not as an aspiration, but as a biological fact. Completion reduces the burden on the system. The cells know this. Your body knows this.*

*Breathe. Stretch. Open your eyes.*

# Lesson Nine: The Quantum Self — Consciousness, Coherence, and the Field of Possibility

## THE MECHANISM

We have spent eight lessons working with the physical and biochemical mechanisms of ageing — the hormones, the telomeres, the epigenome, the microbiome, the autophagy systems. All of this is real, measurable, and modifiable. And all of it has been approached through the lens of the unconscious mind as the primary regulator.

In this lesson, we go to the deepest level of the framework: the quantum field. Not as metaphor. As the operating level of the consciousness model that underlies all of Sanomentology.

## Coherence: The Master Signal

The HeartMath Institute, over three decades of research, has built a compelling scientific case for what they call 'heart coherence' — a state of physiological and psychological synchrony characterised by a specific, highly ordered pattern of heart rate variability. When a person enters a coherent state — typically via positive emotional engagement, particularly appreciation and care — the heart generates an electromagnetic field of high coherence that measurably influences the brain, the nervous system, and — in their most recent research — the cells of the body.

Coherence is not simply a pleasant feeling. It is a measurable, physiologically distinct state with profound biological effects:

- Normalisation of cortisol and DHEA ratios
- Reduction of pro-inflammatory cytokines
- Increased telomerase activity
- Improved immune function
- Enhanced neuroplasticity and cognitive function
- Measurable changes in gene expression within hours

The coherent state is, in Sanomentological terms, the alignment of the Me and the I — the personal and the universal, the biological and the non-local — into a single,

resonant signal. It is the state in which the physical plane is most receptive to instruction from the higher dimensions of consciousness.

## **Non-Local Consciousness and Biological Age**

The Noumenal Consciousness model — the understanding that consciousness is not produced by the brain but rather interfaced through it — has radical implications for ageing.

If consciousness is non-local — if your awareness, at the deepest level, is not confined to the biological structures of your body — then the body is not the source of your experience. It is the current instrument of your expression. And instruments can be maintained, tuned, and upgraded.

The ageing body, from this perspective, is a body that has partially lost coherence with the higher levels of its own consciousness. The disconnection — accumulated over years of stress, limiting beliefs, unexpressed potential, and identity calcification — is itself a driver of biological ageing.

This is not mysticism. It maps directly onto the biology: the biological signatures of psychological disconnection, suppressed meaning, and existential flatness are identical to the biological signatures of accelerated ageing. Chronic stress, inflammation, telomere shortening, mitochondrial dysfunction — all are both causes and effects of this disconnection.

Restoration — genuine restoration, not surface-level adjustment — requires reconnection. Not to a concept of oneself, but to the full field of what one is capable of being.

## **The Quantum Effect on Telomeres**

There is a body of emerging research — currently at the frontier of quantum biology — exploring the role of quantum coherence in biological processes. Photosynthesis, bird navigation, enzymatic reactions, and possibly DNA processes including repair all appear to involve quantum coherence effects.

Telomerase, as a complex ribonucleoprotein, may be sensitive to quantum-level conditions in the cellular environment. While this remains to be fully characterised, the circumstantial evidence from practices that generate coherent states — deep

meditation, loving-kindness practices, profound trance states — and their measurable effects on telomerase activity is consistent with a quantum-level mechanism.

What this means practically: the deepest states of trance and coherence accessed in this programme are not merely relaxation states. They may be accessing a level of biological influence that is not yet fully described by conventional biochemistry.

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## THE PROCESS — SESSION NINE

### **The Coherent Field**

This is the most advanced process in the programme. It requires the deep trance capacity you have been building across all previous sessions. It works at the Noumenal level — at the interface between individual consciousness and the universal field.

*Do not attempt this session without having completed all previous sessions. The depth required is earned, not given. Move on to the session when you are ready, and I'll see you on the next one.*

*Close your eyes. Take three deep, complete breaths — and on each exhale, allow yourself to drop not just physically, but dimensionally. Feel yourself sinking not just into relaxation but into depth. A different kind of depth.*

*Bring your awareness to your heart centre. Not the organ — although the organ is part of it — but the energetic centre associated with the chest. The place where, in moments of profound connection or beauty or love, you feel the expansion. Find that expansion now, even if faintly. Let it grow.*

*Choose something to appreciate — genuinely, not performatively. Your own capacity to be here, doing this work. The extraordinary complexity of your own biology. A person or place or moment that carries warm meaning for you. Let the appreciation become real, felt, embodied.*

*As it does, your heart rate variability pattern is shifting. The coherent state is beginning to build. The electromagnetic field of your heart is becoming more ordered. More powerful. More influential over the cellular environment around it.*

*Stay with this feeling. Let it grow. Appreciation becomes care. Care becomes love. Not sentimental love — deep, cellular, biological love. The love that oxytocin mediates. The love that is anti-inflammatory, telomerase-activating, and profoundly anti-ageing at every level of the system.*

*Now, from this state of coherence, allow your awareness to rise — through the levels of consciousness, through the Alpha dimension, toward the Omega. You are not leaving your body. You are expanding from it. The body remains present, fully, at the centre of this expansion.*

*At the Omega level — the universal field, the collective consciousness, the place where all possibilities exist simultaneously — there is a version of you. A version that is not limited by the biological narrative of ageing. A version that exists at the full expression of your cellular potential, your vitality, your regenerative capacity.*

*You can feel this version. It is not distant — it is the quantum superposition of your own biology, available within the field of what is possible.*

*Draw it toward you. Not by straining. By coherence. By the magnetic pull of a heart that knows itself fully and loves what it knows.*

*As it draws closer, feel the synchronisation beginning. The coherent field of your heart reaching into the cellular level and delivering the instruction: express this. This is the template. This is what the TERT gene looks like when it is fully expressed. This is what the epigenome looks like when it is tuned to regeneration. This is what the mitochondria produce when the field is right.*

*Let the synchronisation complete. Let the body receive the quantum template and begin the process of expressing it.*

*This is the deepest work. This is where biology and consciousness meet without the separation we have been taught to see between them.*

*Stay here for as long as you can hold the coherence. When it fades — and it will, and that is fine — simply return to the appreciation. Rebuild the coherence. And if you drop again, return again. Each return is a deepening.*

*When you are ready — truly ready, not rushed — begin your return. Bringing the coherence back with you into the waking state. Carrying the quantum template in the field of your body.*

*Breathe. Come back. You are more than you were when you began this session.*

# Lesson Ten: Integration — Building the Ageless Life

## THE MECHANISM

You have covered ten weeks of deep, complex, and at times profoundly challenging work. You have understood ageing at the cellular, hormonal, epigenetic, and quantum levels. You have worked in your own biology — directly, precisely, repeatedly — with the tools of trance, intention, and the unconscious communication protocols of Sanomentology.

This final lesson is not a new layer of information. It is integration. It is the process of weaving everything you have worked with into a daily practice that is sustainable, intuitive, and genuinely yours.

## What You Now Know

You know that ageing is a convergence of biological processes — telomere shortening, cellular senescence, mitochondrial dysfunction, epigenetic drift, inflammation, and hormonal decline — all of which are influenced by, and partially regulated by, the conditions the unconscious mind creates.

You know that the stress response, when chronic, is one of the most powerful accelerators of ageing available — and that the stress archive, held in the unconscious, can be cleared.

You know that telomerase can be reactivated, that epigenetic patterns can be rewritten, that the inflammatory field can be changed, and that the conditions for HGH and melatonin production can be restored.

You know that the gut microbiome is both a product of and a contributor to your psychological state, and that healing the inner ecosystem is both a biological and a psychological act.

You know that cellular autophagy and psychological completion are resonant processes — that letting go is not just emotionally healthier but biologically necessary.

And you know that at the deepest level — the Noumenal level, the quantum field — your biology is not a fixed programme. It is a dynamic, responsive, consciousness-sensitive system that is waiting for coherent instruction.

## **The Daily Architecture of Agelessness**

Here is what a day structured around the principles of this programme looks like. This is not rigid prescription. It is an architecture. Adapt it to your life, but maintain the principles.

### **Morning**

Upon waking, before reaching for a screen, take five minutes in the coherent state — the heart-centred appreciation practice from Lesson Nine. This sets the neurochemical environment for the day: cortisol in proportion, DHEA elevated, vagal tone up, the cellular environment primed for maintenance rather than emergency response.

If fasting is part of your practice, this morning window is the deepest autophagy period. Protect it.

The five-minute telomere practice from Lesson Three — descend, activate telomerase, extend awareness systemically — takes less than ten minutes once internalised. Do it before the day begins.

### **Throughout the Day**

The four-count in, six-count out breathing practice from Lesson Four. Ten breaths, three times per day. This is non-negotiable for vagal tone and anti-inflammatory signalling. It takes four minutes total.

Catch the story. Every time you find yourself in the ageing narrative — 'I'm getting old', 'my body is failing', 'this is inevitable' — replace it with biological truth. Not toxic positivity. Truth: your cells respond to instruction, your epigenome is dynamic, your telomerase is waiting for the right conditions.

Move your body. Exercise is not a vanity measure in this framework — it is one of the four most powerful direct activators of telomerase, autophagy, HGH, and mitochondrial biogenesis simultaneously. It does not need to be extreme. Consistent, varied, and approached with the spirit of play that activates GHRH.

## **Evening**

The stress archive review — brief, five minutes — before the end of the day. Not a full trance session. Simply a check-in: what from today needs to be processed and filed, rather than carried into sleep?

The regenerative night process from Lesson Five. Every night, not occasionally. This is when the majority of your biological renewal happens. The quality of your sleep architecture is the single biggest leverage point in this entire programme.

## **Weekly**

One full session per week — working through the processes of the programme in rotation. The epigenetic rewrite, the anti-inflammatory field, the gut ecosystem, the cellular completion. These are not one-time experiences. They are maintenance practices. The unconscious deepens its execution of each one with repetition.

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## **The Psychological Contract**

This programme asks something of you that is not always comfortable: it asks you to believe, against considerable cultural conditioning, that your biology is more responsive to your consciousness than you have been told.

This belief is not blind faith. It is evidence-based. The science has been laid out across these ten lessons. The mechanisms are real. The pathways are documented. The results, in those who engage with them consistently, are measurable.

But the belief matters because the unconscious is listening. A person who engages with these practices while internally maintaining the conviction that they cannot work is not simply a neutral participant — they are actively generating the stress, scepticism, and low-level despair that maintain the biological conditions of ageing. The unconscious does not separate what you do from what you believe.

This is not to say that doubt is forbidden. Doubt is intelligent. But doubt that generates action is different from doubt that generates resignation. Keep your curiosity. Keep your rigour. And keep doing the work.

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## The Ageless Future Self

The final trance of this programme is a future projection — but not in the conventional sense. It is a quantum future projection: a visit to the version of you that exists in the field of possibility, to retrieve from them not simply an image of what could be, but an actual biological template.

*This is the culmination of everything. Give it the full depth it deserves. Play when you are ready. And I hope to see you in Boundless to take your journey with this extra longevity into more depth, more insight, and more transformation. Thank you for being on this part of the journey with me. Enjoy the final session.*

*Close your eyes. Take a long, slow breath — the deepest you have taken in this programme. Let it go completely.*

*Allow yourself to settle into the deepest trance you have accessed across these ten weeks. You know the way now. You have been building this capacity for ten weeks. Let yourself drop all the way down.*

*Find the central room. Find the console. Place your hands on it. Feel the full weight of everything you have done here — every clearing, every communication, every act of biological intention. The room holds it all. The architecture of your biology has been receiving your work.*

*Today, the displays look different. Not dramatically — not cartoonishly different. But measurably. The telomere readouts are longer. The inflammatory indicators are lower. The epigenetic display has shifted. These are not imagined changes. These reflect the actual biological work that has been occurring across these weeks.*

*Honour this. Without exaggeration, without false modesty. Simply acknowledge: something has changed. The work has been real.*

*Now, from the console, you activate a process you have not used before. A projection. The display changes to show a corridor stretching forward in time — not a timeline exactly, but a field. The field of your own biological possibility.*

*At the end of this corridor, there is a figure. You can feel them before you see them — a warmth, a vitality, an ease that is unmistakably yours. This is you, further along.*

*Not a fantasy version. The version that is actually available within the field of what your biology can do, given continued coherent instruction.*

*Walk toward them.*

*As you approach, you can see them more clearly. They are vital. Their eyes are clear. Their movement is easy. There is something in their bearing that says: I know what I am. This is not arrogance. It is the quiet confidence of a person in full biological coherence with themselves.*

*Stand before them. And then do something unexpected: instead of asking them a question, or receiving advice — simply be with them. Let the field between you synchronise. Your biology receiving the resonance of theirs. Your epigenome tuning to theirs. Your telomerase receiving the signal of their cellular maintenance.*

*This is the quantum template delivery. This is the coherent field doing its deepest work.*

*Stay in this synchronisation for as long as you can. Let it be complete. Let every system receive the update.*

*When the time comes, embrace them. And as you do, understand that this separation is an illusion. This future self is not separate from you. It is you. The path between here and there is not a journey to someone else — it is a return to yourself.*

*Begin your return now. Through the architecture, through the levels, through the spiral staircase, back through the cellular chamber, back through the control room, back to the surface.*

*And as you return, bring with you not just the intention, but the felt reality of what you found. Not a memory of a visualisation. A biological fact. Your cells have received the template. Your unconscious has the instruction.*

*The work continues. It will always continue. But the foundation has been laid.*

*Take your breath. Open your eyes.*

*Welcome back. Welcome to Ageless.*

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## ***End of Programme***

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