
FOR IMMEDIATE RELEASE

Dr.TWL Unveils the Beauty Industry's First Psychodermatology Protocol, Merging Emotion-Responsive AI with C-Beauty Biotech

The Asian dermocosmetic pioneer introduces the AI Bio-Sommelier, a patent-pending closed-loop system bridging photobiomodulation, acoustic neuro-regulation and heritage ethnobotany.

[\[MEDIA KIT\]](#)

[SINGAPORE, 2 APRIL 2026] – Asian dermocosmetic brand Dr. TWL Dermaceuticals today unveils Signature Purple Code™, a patent-pending psychodermatological protocol bridging emotion-responsive AI and photobiomodulation (PBM) therapy with TRPV-1 regulating neurocosmetics.

Dermatologist-developed to stabilize reactive skin for the modern urbanite, Signature Purple Code™ fuses mitochondrial ATP activation with neuro-acoustic regulation. By synchronizing quad-spectrum light wavelengths with targeted low-frequency acoustic resonances, the system facilitates a state of deep neurological rest. It is the industry's first closed-loop psychodermatological protocol designed to neutralize the total skin exposome.

Rooted in Chief Scientific Officer Dr. Teo Wan Lin's published research on microclimate-linked dysbiosis and the psychodermatological feedback loop in leading journals such as the *Journal of the American Academy of Dermatology*, the proprietary AI Bio-Sommelier interface regulates thermal and affective aging via TRPV1-sensory receptor targeting and ritual science.

Powered by a proprietary quad-spectrum engine, the light protocols activate the Bibang complex™—a TRPV1-modulating ethnobotanical quartet of Belamcanda, Hiba, Scutellaria, and Peony delivered in a cooling hydrogel matrix.

"There is a well-founded basis for the brain-skin-axis, both as a bidirectional ecosystem and as a dermatological principle that skin cells and the nervous system share an embryological origin," says Dr. Teo Wan Lin. "Our goal is to materialize these protocols as cutting-edge dermocosmetic interventions, rooted in a blend of dermatological science, eastern ethnobotanical tradition, and heritage rituals."

Riding the C-Beauty Biotech Wave Founded in 2016, the brand has significantly

expanded its R&D footprint beyond its manufacturing headquarters in Korea. Dr.TWL Dermaceuticals recently announced the establishment of the Asian Bio-Dermatology Institute in Guangdong, a dedicated biotechnology research arm focusing on the development of ethnobotanical-peptide neurocosmetics.

"The Asian Bio-Dermatology Institute is established in strategic partnership with a premier biotechnology player in Guangdong," explains Justin Teo, the brand's Lead Pharmaceutical Engineer. "This expansion grants us access to pharmaceutical engineering and clinical testing for rare ethnobotanicals. It allows us to conduct rigorous clinical trials on heritage ingredients such as *Scutellaria Baicalensis* and *Paeonia Suffruticosa* at an unprecedented scale."

About Dr.TWL® Dr.TWL Dermaceuticals is a dermatologist-developed Asian dermocosmetic brand established since 2016, bridging modern exposome science with traditional ethnopharmacology. Headquartered in Singapore with established R&D in Korea and China, the brand's research arm holds a growing IP portfolio, including a 2026 patented Transdermal Hydrogel Interface incorporating fractionated TCM complexes with clinical bio-actives.

The brand's flagship innovation, Signature Purple Code™, is a patent-pending integrated dermatological control system codifying emotion-responsive AI with advanced light synchronization, adaptive thermal interfaces, and high-performance matrix structures for psychodermatological interventions.

Co-developed by board-certified dermatologist Dr. Teo Wan Lin and pharmaceutical engineer Justin Teo Zhi Liang, the Bibang Protocol™ bypasses the 500 Dalton Rule through advanced bio-fermentation to ensure deep dermal delivery of high-molecular-weight actives.

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