

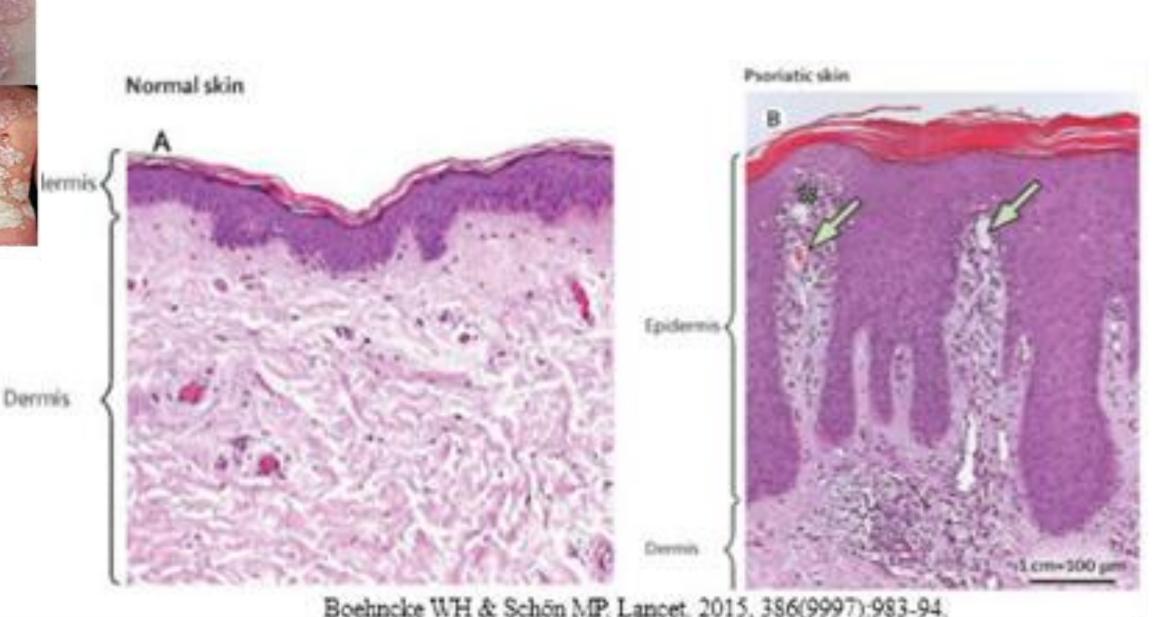
Scutellaria baicalensis ameliorates psoriasis-like lesions via modulating the multiple cells in skin microenvironment

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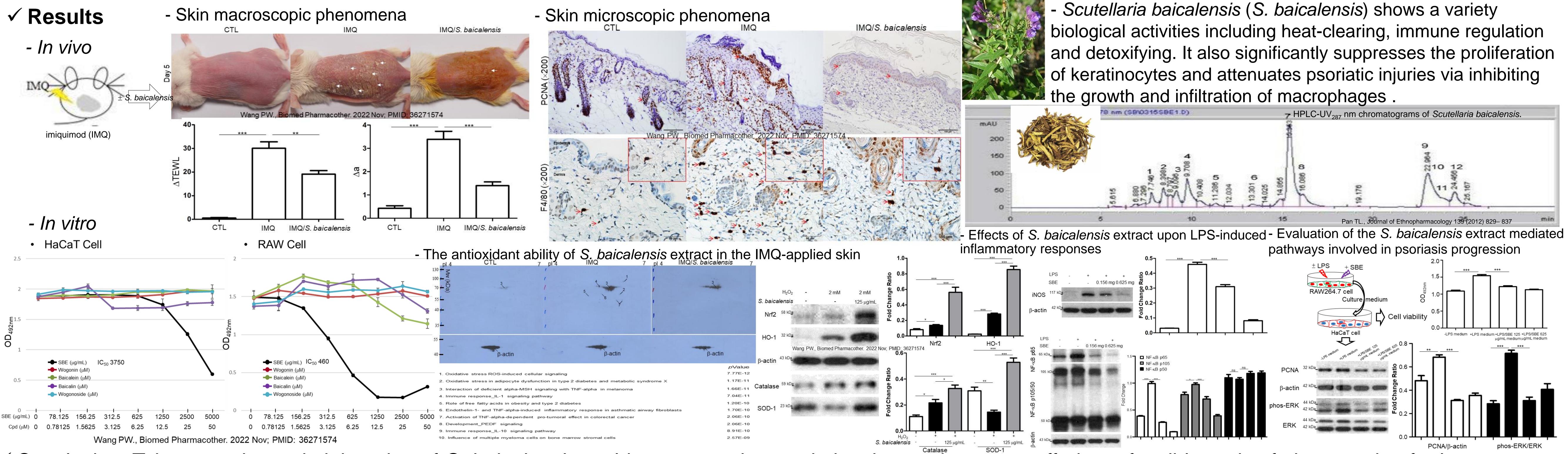
✓ Background

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- Psoriasis, characterized by hyperproliferation as well as abnormal differentiation of keratinocytes, is a chronic and immunemediated inflammatory disorder affecting 2~3% of the global population. Psoriasis leads to a severe impact on the public health due to its high prevalence and the cost of long-term management.
- The clinical treatment of psoriasis has been challenged due to drug resistance, unwanted side effects including drug-drug interactions and cumulative organ toxicities for long-term usage or gap in the knowledge of this multifactorial disease.
- Chinese remedies have been considered as complementary and alternative methods for treating dermatological diseases. In addition, the major pathogenesis of psoriasis is caused by dysregulated interplays between epidermal keratinocytes and immune system, which results in inflammation, abnormal proliferation, and differentiation of keratinocytes.



✓ **Objective** - We explore the pharmaceutical efficacy of *Scutellaria baicalensis* in modulating the microenvironment created by macrophages and keratinocytes in psoriasis.



✓ Conclusion: Taken together, administration of *S. baicalensis* could rearrange the psoriatic microenvironment, offering a feasible and safe intervention for long-term Reference: psoriatic therapy. Wang PW., et al., Therapeutic efficacy of Scutellaria baicalensis Georgi against psoriasis-like lesions via regulating the responses of keratinocyte and macrophage. Biomed Pharmacother. 2022 Nov;155:113798. PMID: 36271574