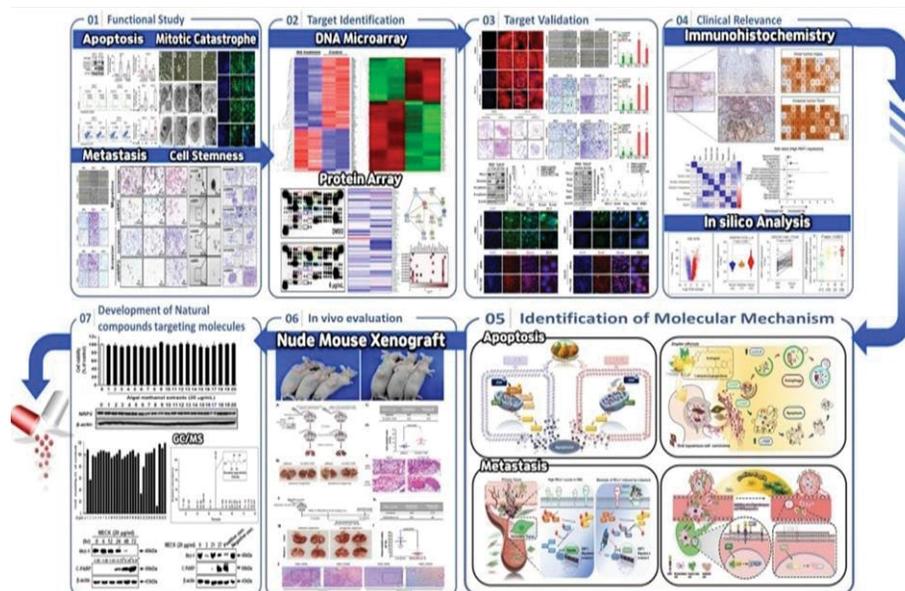


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RESEARCH OVERVIEW

- Development of next-generation head and neck cancer therapeutic strategy through identification of major molecular targets and related mechanisms of head and neck cancer progression
- Development of new anti-cancer drugs using naturally derived compounds against head and neck cancer



RESEARCH CONTENTS

1. Identification of the anti-cancer activity of the EGFR inhibitors and its related mechanisms in head and neck cancer
2. Induction of mitotic catastrophe as a therapeutic approach through identification of signaling mechanism and discovery of new anti-cancer substance for head and neck cancer
3. Multifaceted functional study of Metadherin in Head and neck cancer and development of next-generation Metadherin-targeted therapeutics

[Key words] Head and neck cancer; metastasis; mitotic catastrophe; epidermal growth factor receptor; metadherin

KEY PUBLICATIONS

1. Ahn CH, Oh KY, Jin B, Lee WW, Kim J, Kim HJ et al. Targeting tumor-intrinsic PD-L1 suppresses the progression and aggressiveness of head and neck cancer by inhibiting GSK3 β -dependent Snail degradation. *Cell Oncol (Dordr)*. 2023 Apr;46(2):267-282
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3. Swarup N, Hong KO, Chawla K, Choi SJ, Shin JA, Oh KY et al. Effect of PAIP1 on the metastatic potential and prognostic significance in oral squamous cell carcinoma. *Int J Oral Sci*. 2022 Feb 14;14(1):9.