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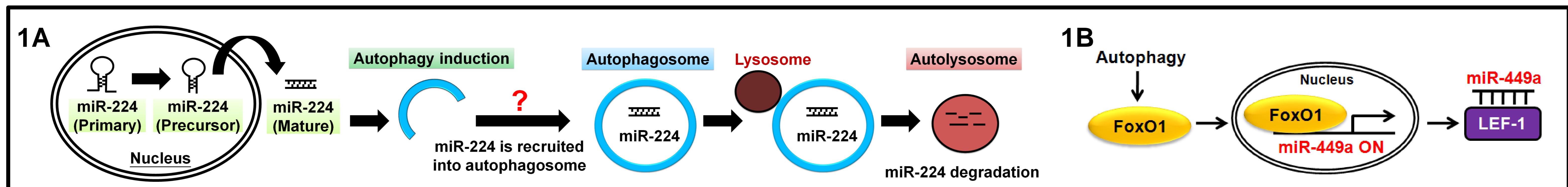
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研究興趣及方向

I. 肿瘤生物學研究: 自體吞噬 (Autophagy)、微小RNA (Micro-RNA) 以及 Ha-ras 致癌基因 (Oncogene)

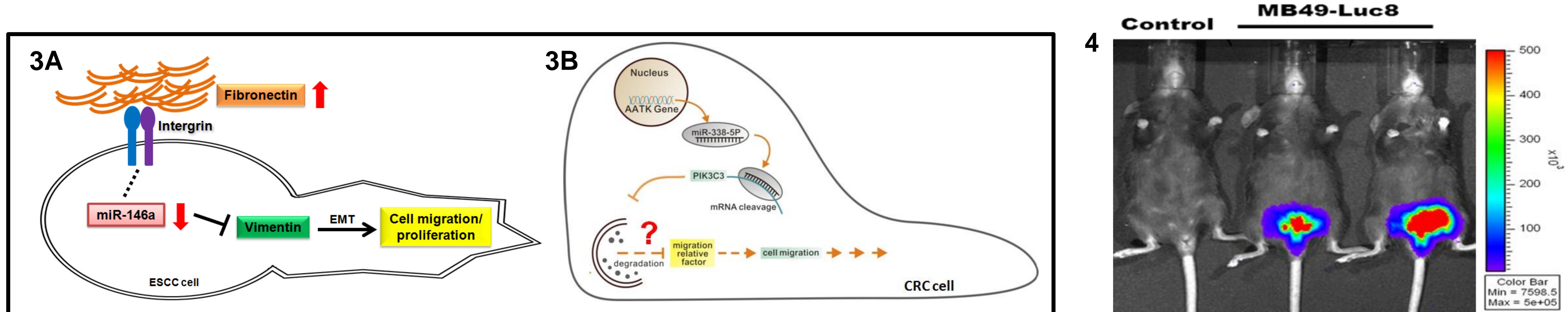
1. Autophagy suppresses tumorigenesis through degradation or transcriptional regulation of micro-RNAs



2. Ras-related tumorigenesis is suppressed by BNIP3-mediated autophagy through inhibition of cell proliferation

3. Micro-RNAs regulate metastasis through targeting their target genes in esophageal and colorectal cancers

4. Establish a mouse model of orthotopic bladder tumor formation to study autophagy suppressing tumor formation

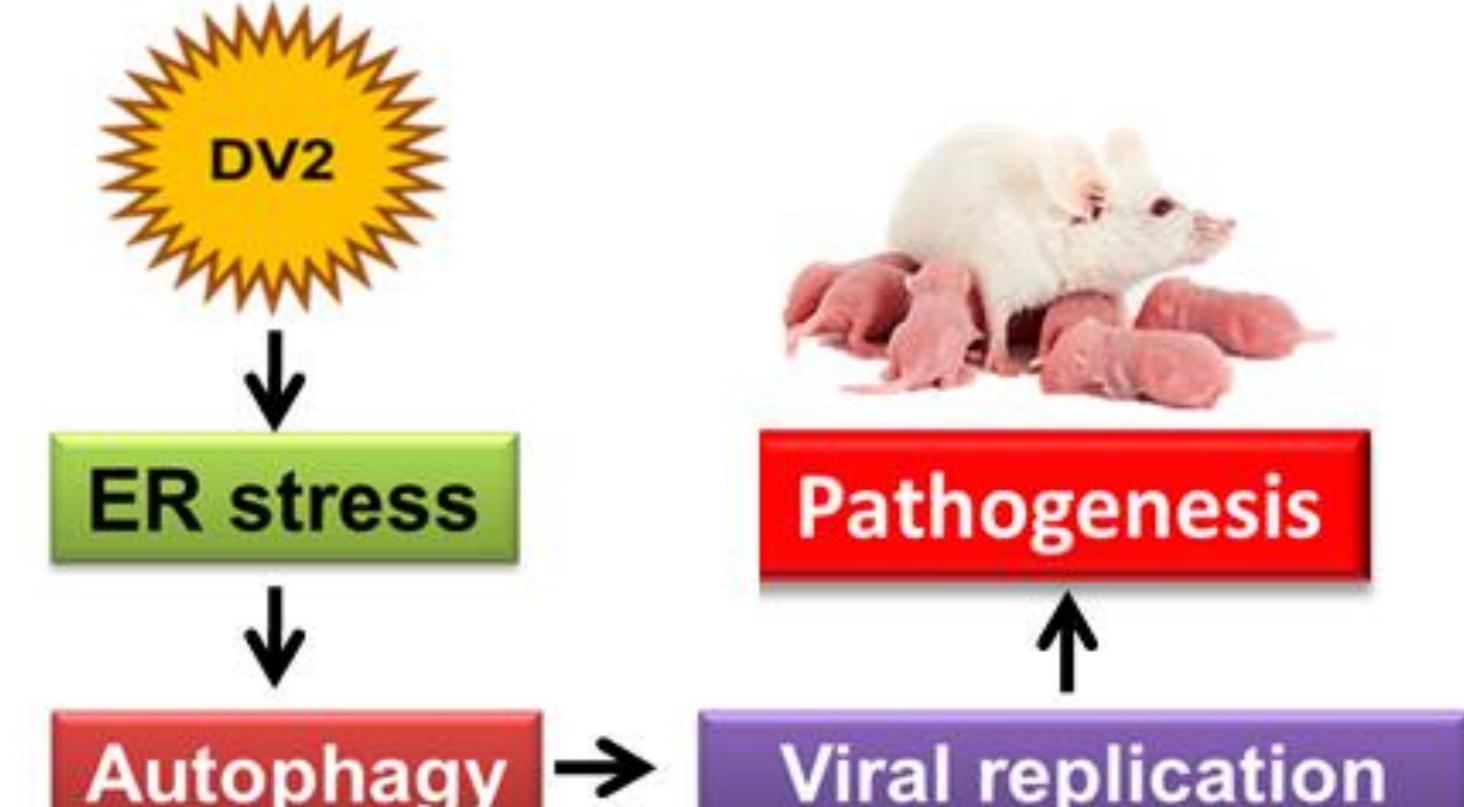


II. 登革病毒及腸病毒研究: ER stress、自體吞噬 (Autophagy) 及微小RNA (Micro-RNA)

1. Characterization of Dengue virus and EV71 induced autophagy both *in vitro* and *in vivo*

2. Dengue virus-induced ER stress is required for autophagy activation, viral replication and pathogenesis both *in vitro* and *in vivo*

3. Honeysuckle (金銀花) and micro-RNA let-7a inhibit Dengue virus and EV71 replication both *in vitro* and *in vivo*



近年發表著作

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實驗室成員

博士後研究員(2名); 博士生(1名); 碩士生(4名); 研究助理(1名)