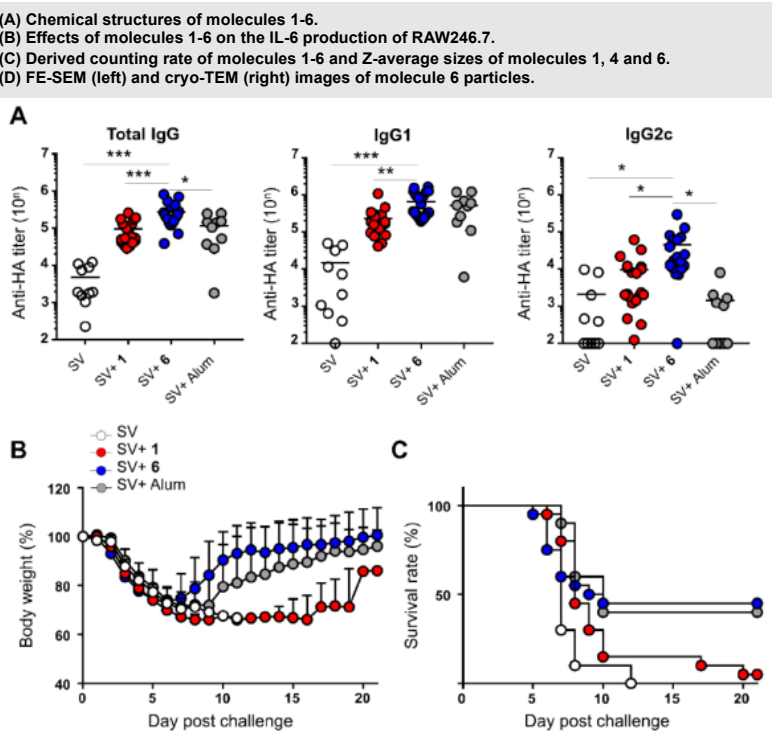
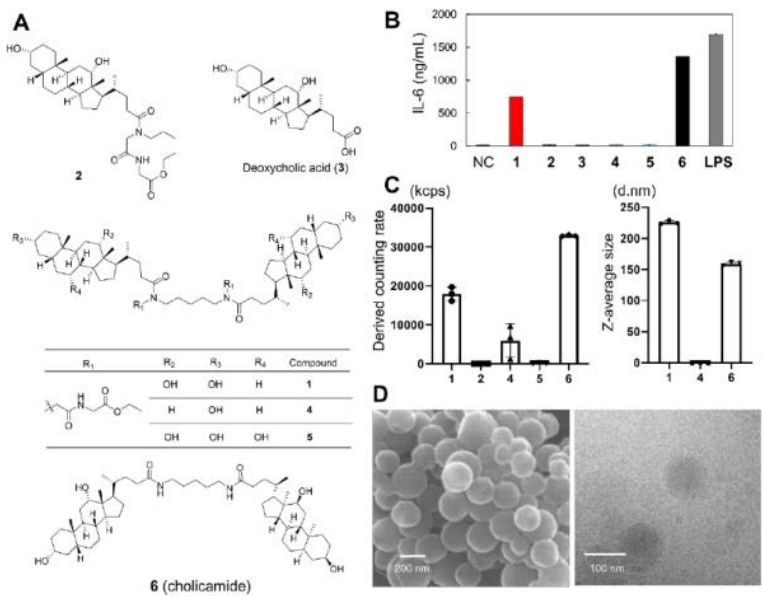
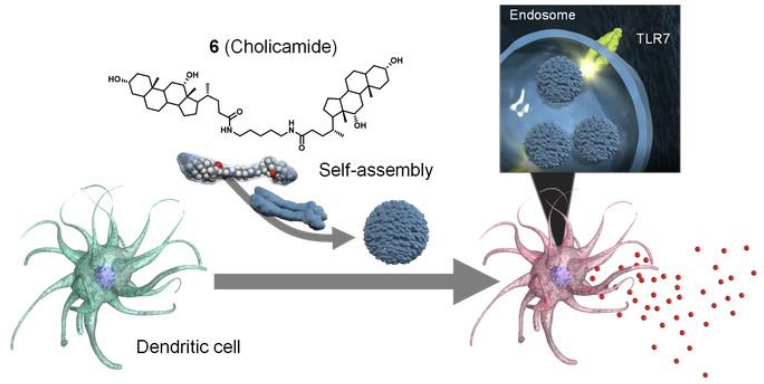




生理活性小分子の新しい世界を切り拓く ケミカルバイオロジー 上杉研究室

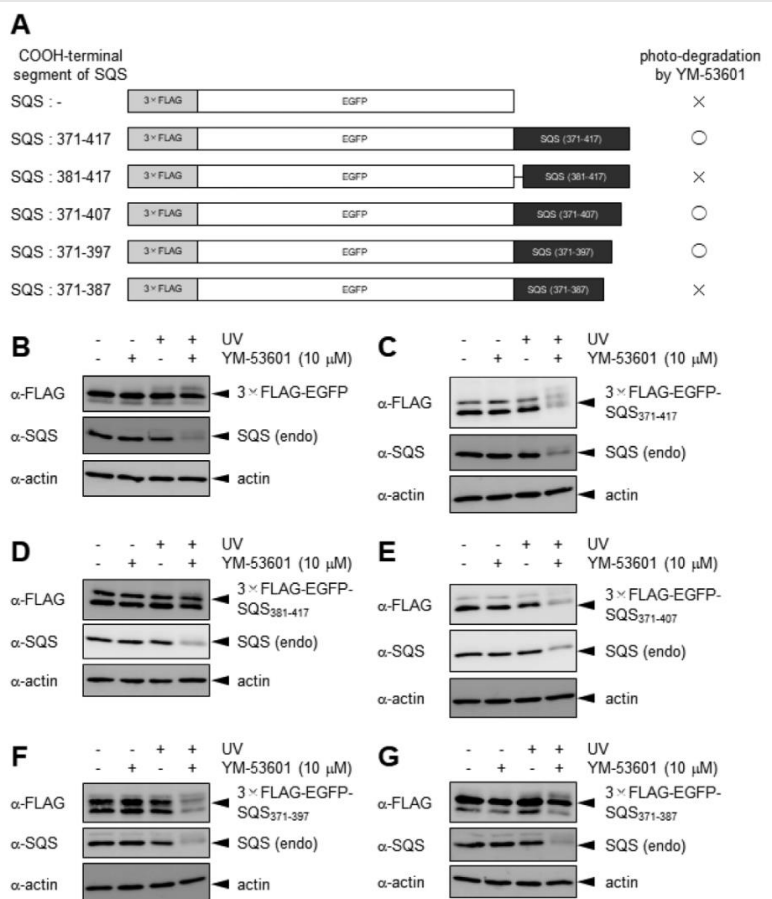
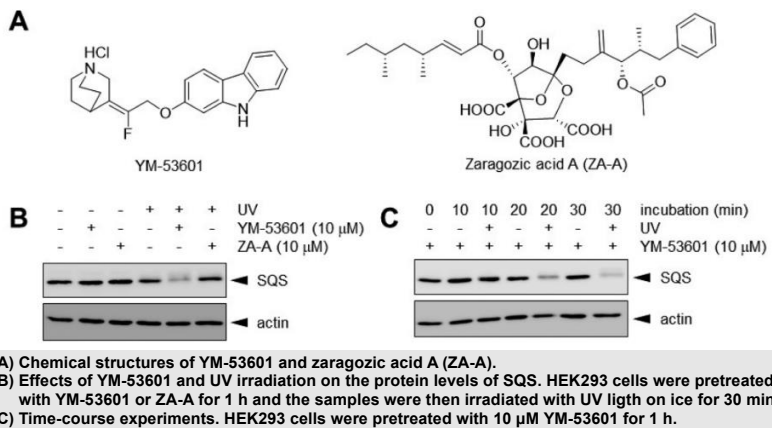
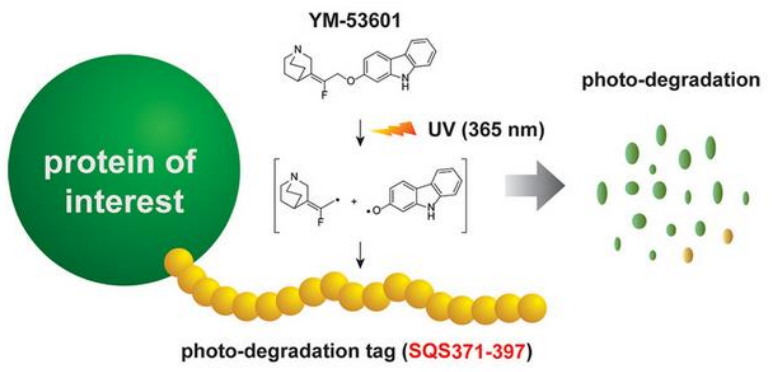
アジュバントとして機能する 自己集合性分子の発見

Angew. Chem. Int. Ed. 2020, in press



低分子依存性光分解ペプチドの発見

J. Am. Chem. Soc. 2020, 142, 1142–1146.



(A) Anti-HA IgG analysis. C57BL/6 mice were immunized twice (day 0 and day 14) with influenza split vaccine simultaneously with molecules 1 (100 μg/head), 6 (100 μg/head), or Alum (500 μg/head). (B-C) Body weights and survival rates of the mice challenged with PR8. After immunization with molecule 1, 6, or Alum for four weeks, the mice were challenged with PR8 (30LD50). (A-C) Each dot represents an individual mouse (n = 10 for SV and SV+Alum groups, and n = 20 for SV+1 and SV+6 groups) in two independent experiments. (A) Schematic representation of the EGFP-SQS fusion proteins. HEK293 cells were transfected with (B) 3×FLAG-EGFP, (C) 3×FLAG-EGFP-SQS371-417, (D) 3×FLAG-EGFP-SQS381-417, (E) 3×FLAG-EGFP-SQS371-407, (F) 3×FLAG-EGFP-SQS371-397, (G) 3×FLAG-EGFP-SQS371-387. After 24 h, the cells were treated with DMSO or 10 μM YM-53601 for 1 h and then irradiated with UV on ice for 30 min. The lysates were immunoblotted with the indicated antibodies.