

## CURRICULUM VITAE

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#### [관심분야]

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#### [논문]

1. Choosung-Sil Lee, Gyuho Hwang, Young Woo Nam, Chi Hyun Hwang, Jaewhan Song. IKK-mediated TRAF6 and RIPK1 interaction stifles cell death complex assembly leading to the suppression of TNF- $\alpha$ -induced cell death (2023) *Cell Death Differ.* 2023 Jun;30(6): 1575-1584.
2. Jinho Seo, Young Woo Nam, Seongmi Kim, Doo-Byoung Oh & Jaewhan Song, Necroptosis molecular mechanisms: Recent findings regarding novel necroptosis regulators (2021) *Experimental & Molecular Medicine* volume 53, pages1007-1017.
3. Jinho Seo, Daehyeon Seong, Young Woo Nam, Chi Hyun Hwang, Seung Ri Lee, Choong-Sil Lee, Young Jin, Han-Woong Lee, Doo-Byoung Oh, Peter Vandenabeele, Jaewhan Song, Beclin 1 functions as a negative modulator of MLKL oligomerisation by integrating into the necrosome complex, *Cell Death & Differentiation* (2020) 27:3065-3081.
4. Daehyeon Seong, Manhyung Jeong, Jinho Seo, Ji-Yoon Lee, Chi Hyun Hwang, Ho-Chul Shin, Jeong Yoon Shin, Young Woo Nam, Jeong Yeon Jo, Haeseung Lee, Hye-Jung Kim, Hwa-Ryeon Kim, Ji Hoon Oh, Sang-Jun Ha, Seung Jun Kim, Jae-Seok Roe, Wankyu Kim, June-Won Cheong, Kwang-Hee Bae, Sang Chul Lee, Andrew Oberst, Peter Vandenabeele, Dong Hoon Shin, Eun-Woo Lee, and Jaewhan Song, Identification of MYC as an antinecrotic protein that stifles RIPK1-RIPK3 complex formation, *PNAS* August 18, 2020 117 (33) 19982-19993.
5. Soyeon Shin, Kyungeun Kim, Hwa-Ryeon Kim, Kris Ylaya, Sung-Im Do, Stephen M. Hewitt, Hee-Sae Park, Jae-Seok Roe, Joon-Yong Chung & Jaewhan Song, Deubiquitylation and stabilization of Notch1 intracellular domain by ubiquitin-specific protease 8 enhance tumorigenesis in breast cancer, *Cell Death & Differentiation* volume 27, pages1341-1354(2020).

# Roles of E3 ligases involved in NASH development

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Non-alcoholic fatty liver disease (NAFLD) comprises a spectrum of diseases in the liver with steatosis without substantial alcohol consumption or competing etiologies for the hepatic steatosis. NAFLD symptoms could be typically subdivided into non-alcoholic fatty liver (NAFL) and non-alcoholic steatohepatitis (NASH) depending on disease severity. NASH, the severe form of NAFLD, is usually diagnosed when there is more than 5% hepatic ste-

atosis and inflammation with hepatocellular injury in the presence or absence of fibrosis. Currently, the NASH creates a great clinical and economic burden on healthcare systems worldwide due to hepatic and extrahepatic comorbidity and liver transplant. Here we report E3 ligases involved in NASH progression and discuss how the regulation of these enzymes could lead to regression of NASH.