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Author: Sipeng Zuo, Jie Yu, Hui Pan, Linna Lu Publish Year: 2020

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Pancreatic cancer continues to be one of the most challenging cancers to diagnose and treat, and, as a result, carries an average survival rate in advanced disease without treatment of just six months after diagnosis and a five-year survival rate that is only in the neighborhood of 10 percent.

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**Novel perspective in pancreatic cancer therapy: Targeting ferroptosis pathway**

Yang Y *et al.* Ferroptosis in pancreatic cancer

Yang Yang, Zi-Jian Zhang, Yu Wen, Li Xiong, Yun-Peng Huang, Yong-Xiang Wang, Kai Liu

### Abstract

Pancreatic cancer is a highly lethal malignancy with low resection and survival rates and is not sensitive to radiotherapy and chemotherapy. <sup>1</sup> Ferroptosis is a novel form of non-apoptotic regulated cell death, characterized by the accumulation of lipid peroxides and reactive oxygen species involved in iron metabolism. Ferroptosis plays a significant role in the occurrence and development of various tumors. Previous studies have



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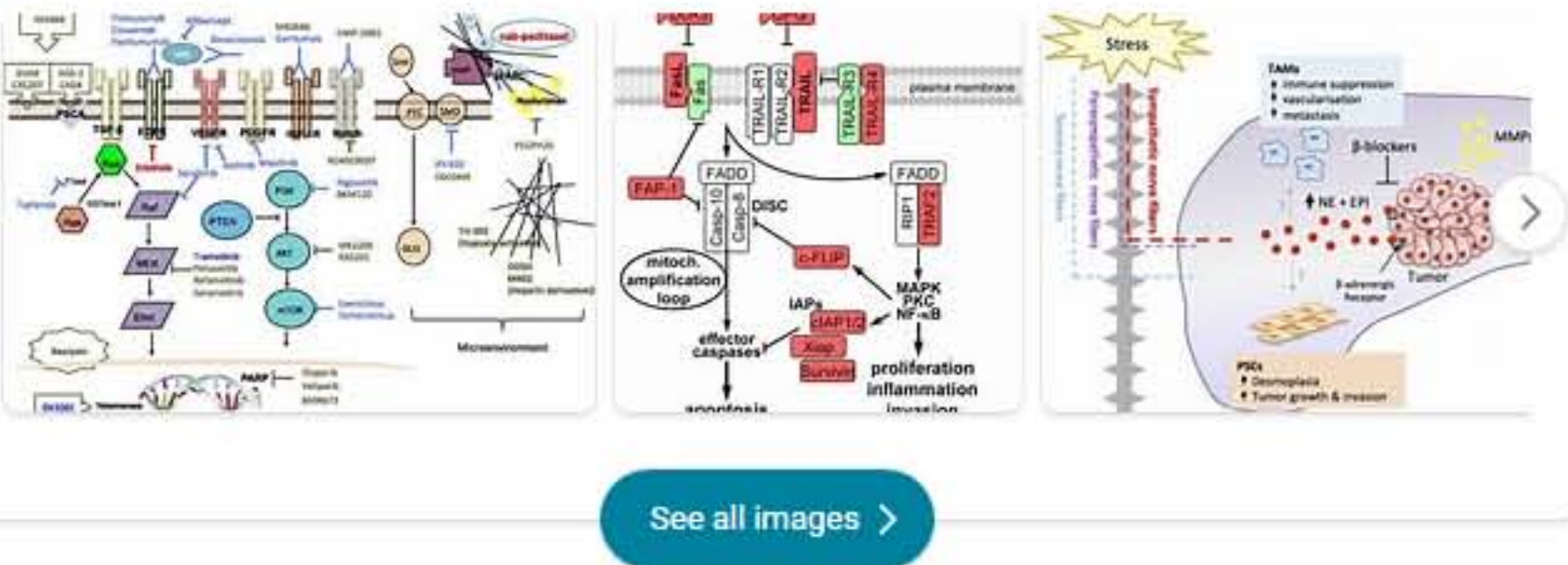
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Novel insights on targeting ferroptosis in cancer therapy  
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At last, we analyzed the relationship between **ferroptosis** and malignancies, in order to provide a **novel** theory basis for **cancer treatment**. Sketch of **ferroptosis** mechanism. The mechanism of ...

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