

生物化学研究室

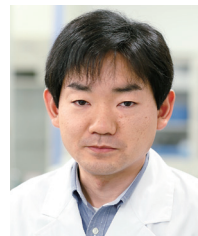
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代謝生化学
生化学特論(大学院)

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研究テーマ

生命・遺伝子・タンパク質・糖の科学

研究内容

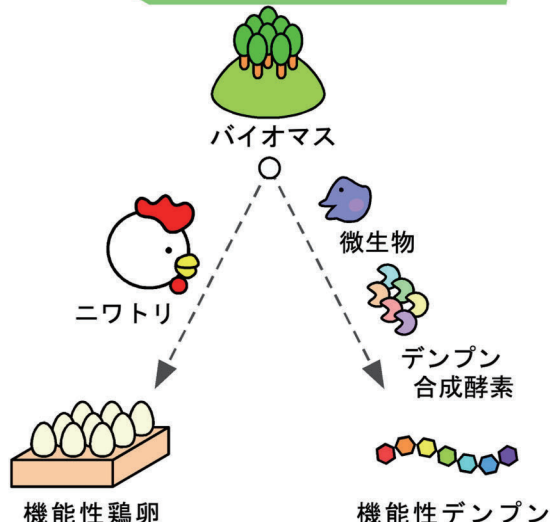
食品免疫学

機能性食品の開発



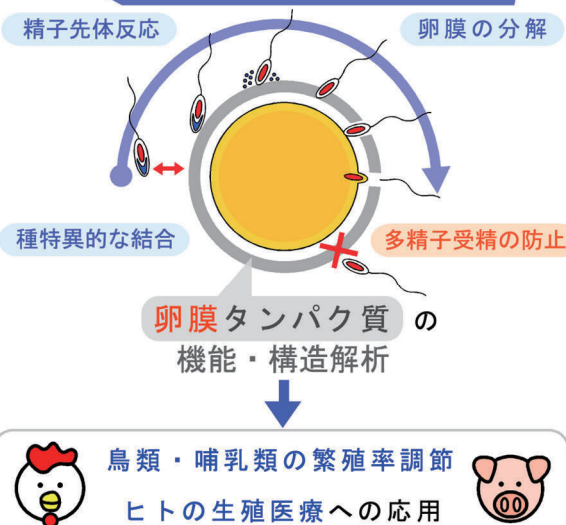
バイオテクノロジー

バイオマスの有効利用



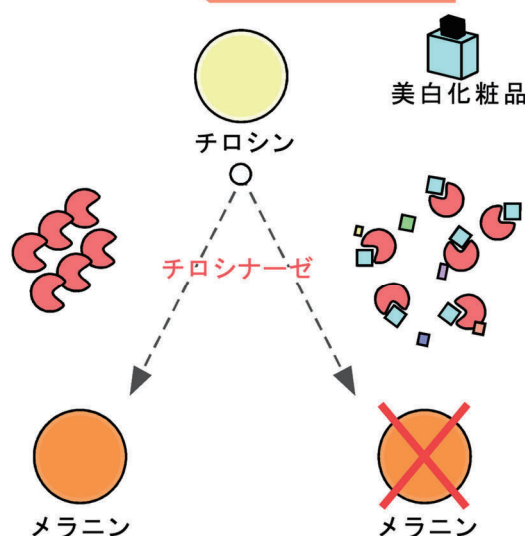
動物生命科学

受精の分子メカニズムの解明



遺伝子工学

化粧品の開発



最近の主な論文・著書 / Okumura, H. et al. (2023) New insights into the role of microheterogeneity of ZP3 during structural maturation of the avian equivalent of mammalian zona pellucida. PLoS One 18(3), e0283087

Nishio, S., Okumura, H. and Matsuda, T. (2018) Egg-coat and zona pellucida proteins of chicken as a typical species of Aves. Curr. Top. Dev. Biol. 130, 307-329

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Okumura, H. et al. (2012) Diverse lectin-binding specificity of four ZP3 glycoprotein isoforms with a discrete isoelectric point in chicken egg coat. Biochem. Biophys. Res. Commun. 424, 586-592

Ujita, M. et al. (2011) Expression of active and inactive recombinant soluble trehalase using baculovirus-silkworm expression system and their glycan structures. J. Biosci. Bioeng. 111, 22-25

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