Projects

Elucidating mechanisms that control entosis induction and effects on cell populations in response to nutrient starvation.

Examination of entosis in development, including identification of mechanistic connections between entosis and cell competition in developing tissues.

Investigating the therapeutic potential of ferroptosis induction in cancer, in collaboration with Michelle Bradbury.

Investigating the mechanism of ferroptosis spreading and cell rupture.

Examination of autophagy protein functions in endocytic trafficking.

Elucidation of mechanisms that control nutrient export from lysosomes.

Identification of lysosome quality control mechanisms.