

## Possible linkage between peroxisome biogenesis and lipid droplet formation through Sec16B



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### Research summary

The endoplasmic reticulum (ER) is the starting site of the secretory pathway. Recent studies revealed that the ER is adjacent to or in contact with other organelles such as mitochondria, peroxisomes, and lipid droplets. We recently reported that Sec16B, which was assumed to participate in the conventional secretory pathway, is involved in protein transport from the ER to peroxisomes. In this project, I will study a system for protein transport from the ER to peroxisomes and compare this with the conventional secretory system. I will also explore the relationship between peroxisome biogenesis and lipid droplet formation.

### References

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