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Title: Bioenergetics and synaptic plasticity as potential targets for individualizing treatment for depression

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Title: Bioenergetics and synaptic plasticity as potential targets for individualizing treatment for depression

Short Title: Targets for personalized depression treatments

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Highlights

- Synaptic plasticity modulation is central to antidepressant relief strategies
- Disruptions of bioenergetic signaling directly impact synaptic plasticity
- Cellular stress, inflammation, and metabolism extensively influence bioenergetics
- Bioenergetic biomarkers must be identified for improved treatment design
- Biology-based individualized medicine will improve antidepressant treatment outcome

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