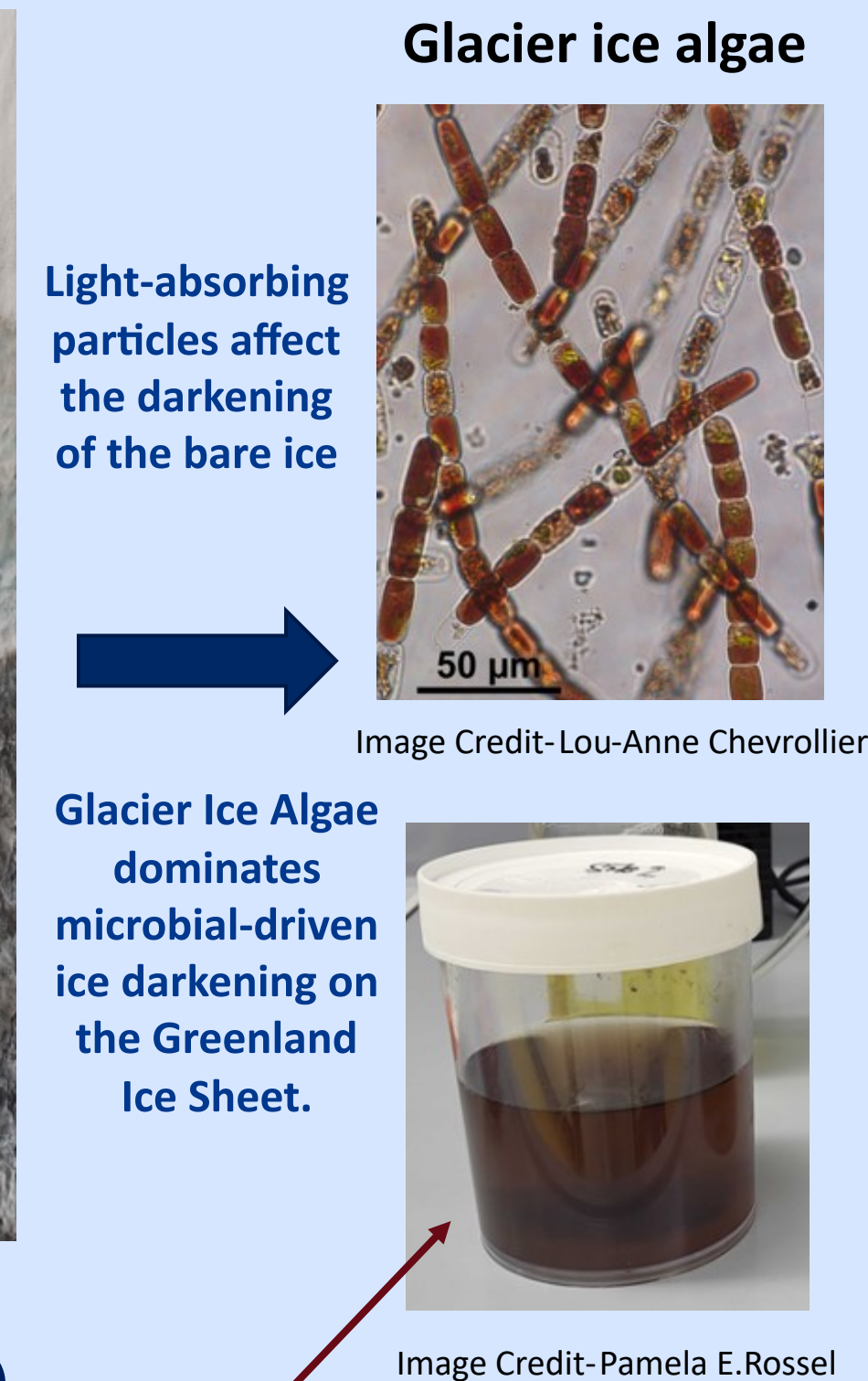
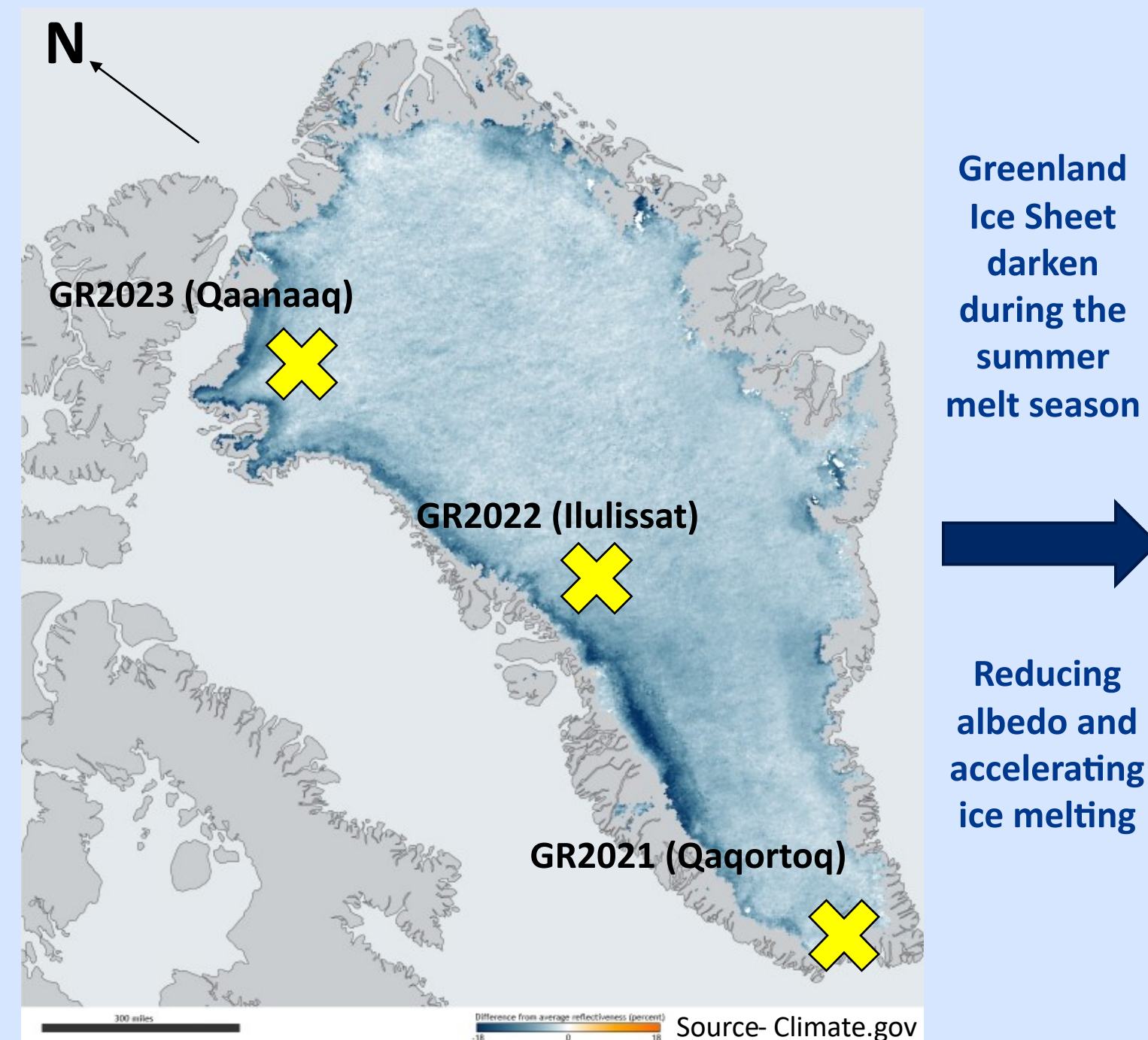
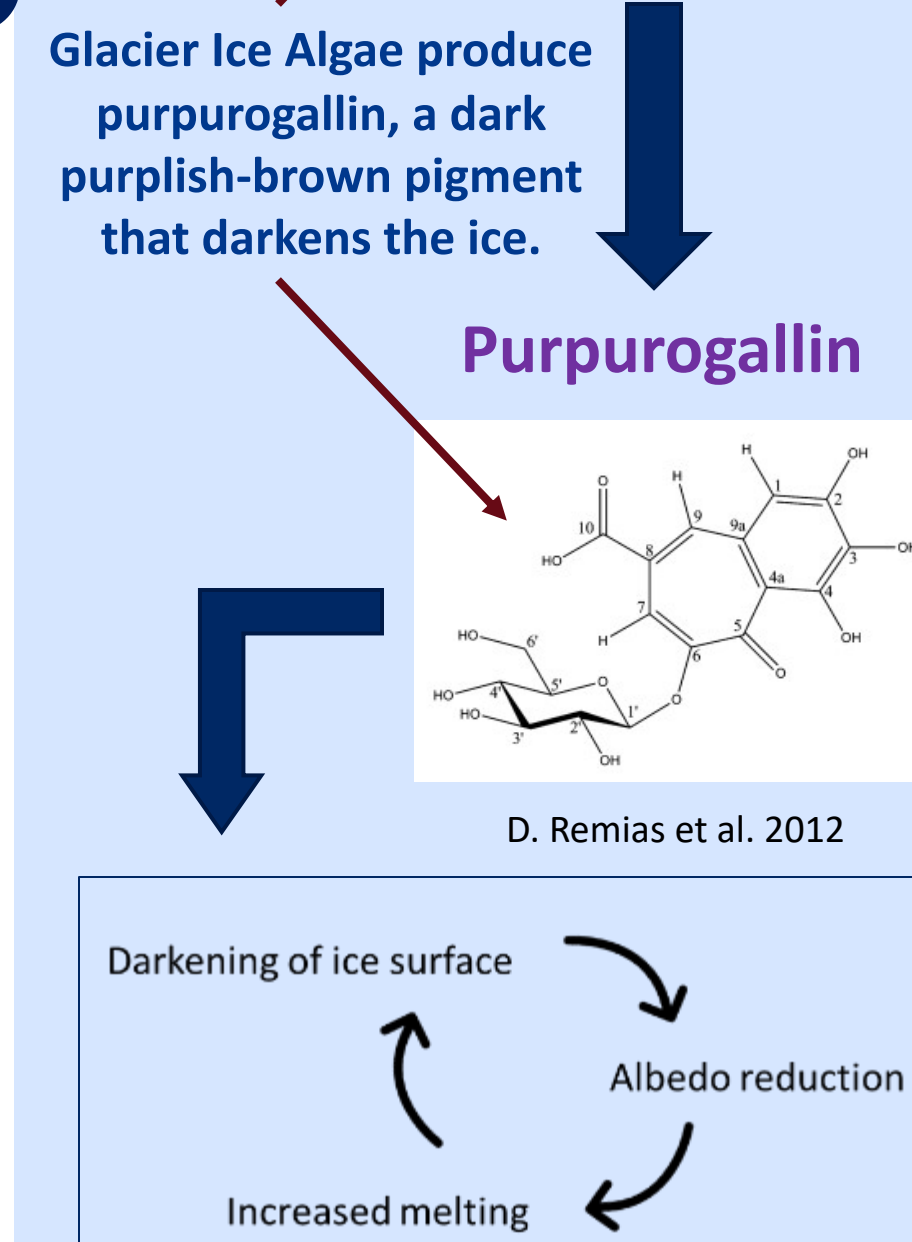
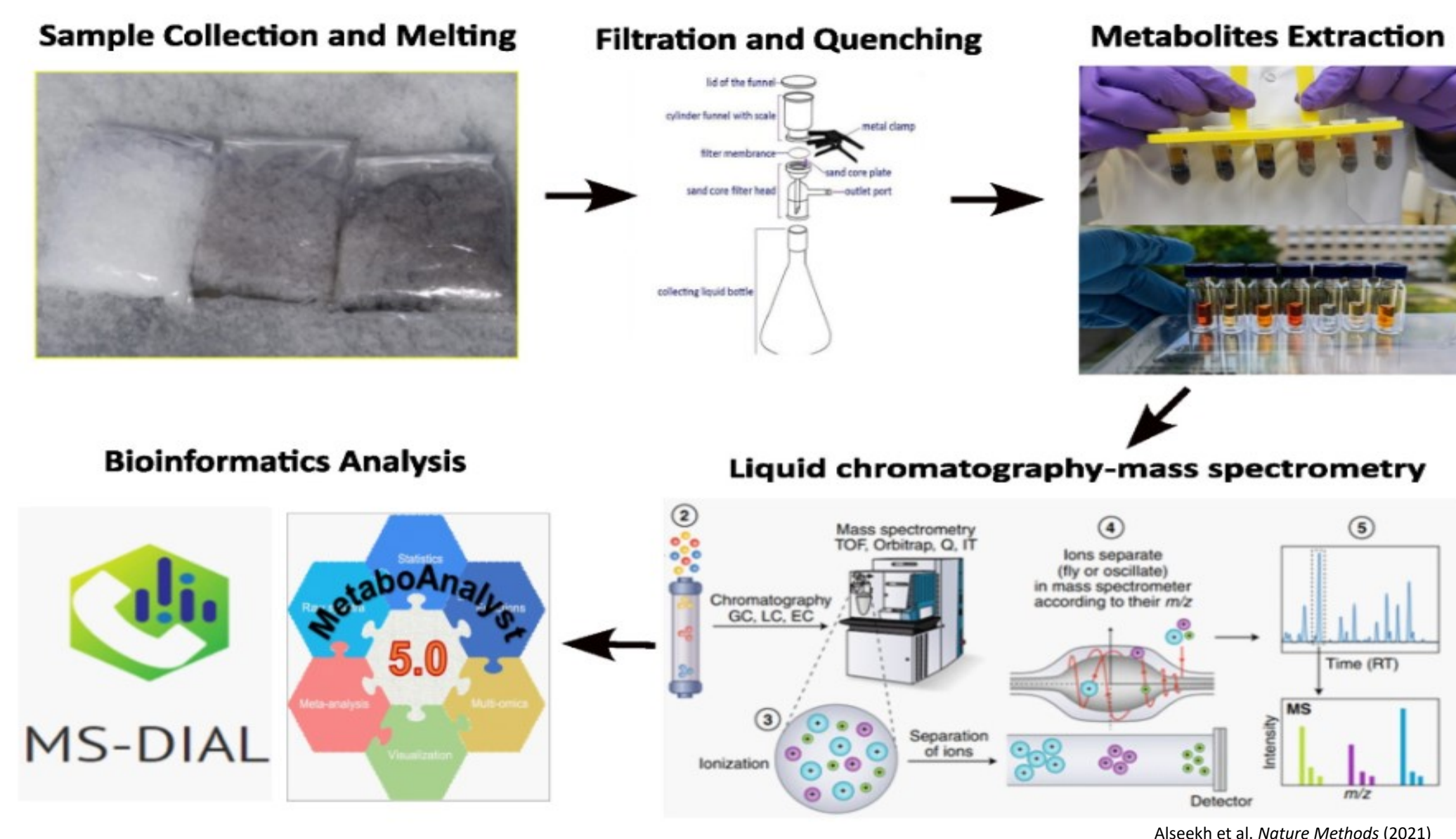


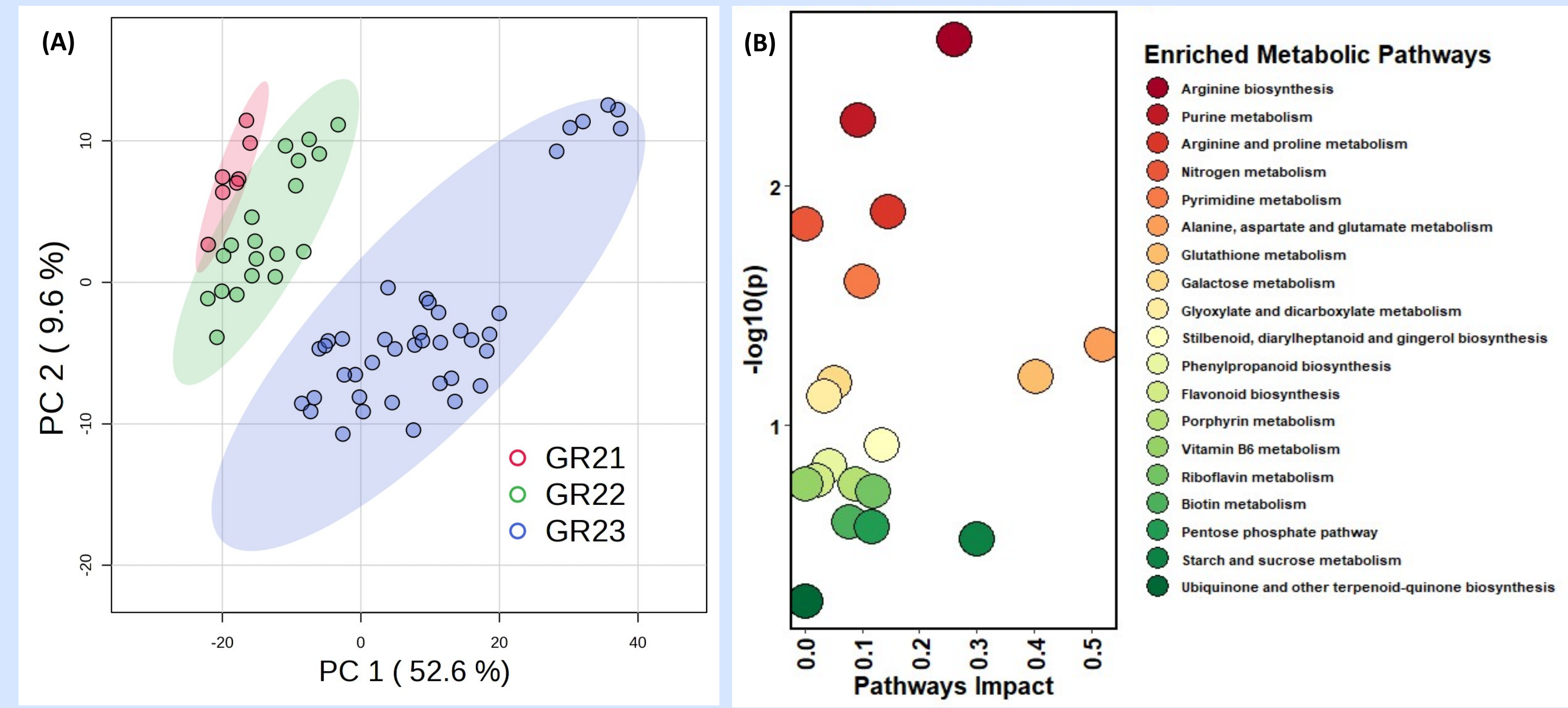
Glacier Ice Algae darken the Greenland Ice Sheet



Metabolomics Workflow



What shapes Glacier Ice Algae metabolism—and how does it vary across the Greenland Ice Sheet?

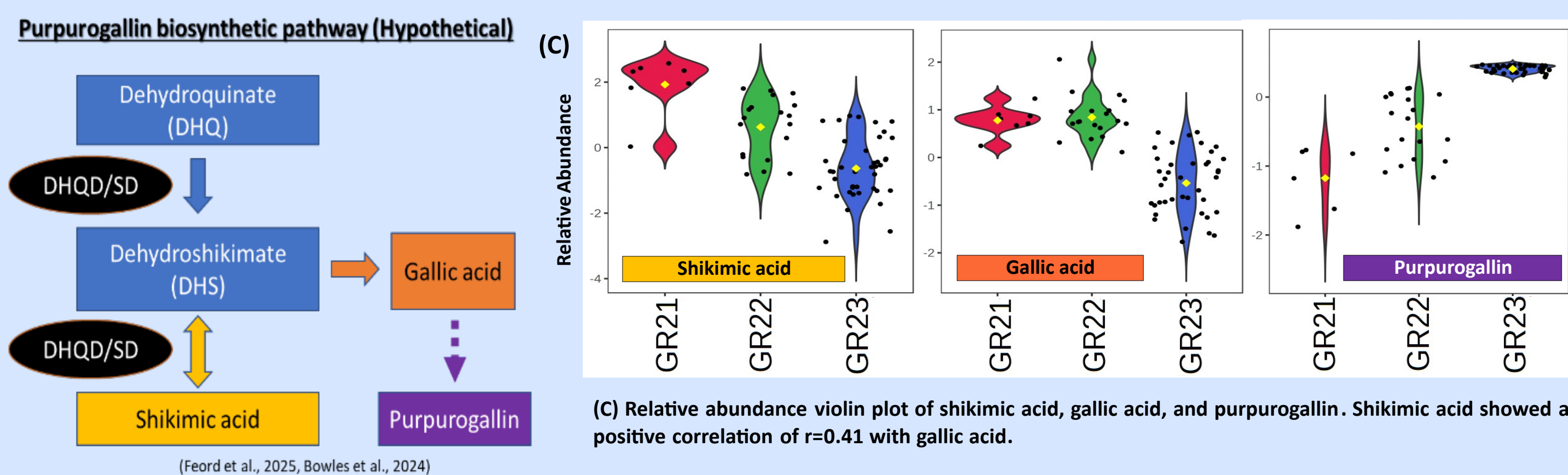


(A) PCA showing GR21, GR22 and GR23 samples clustering based on metabolome composition. (B) Bubble plot showing enriched metabolic pathways in all the Greenland samples.

Conclusion

Where the glacier ice algae live on the Greenland ice sheet matters—their metabolic profiles change with geographical locations.

Is the Shikimic acid pathway powering Purpurogallin biosynthesis in Glacier Ice Algae?



Conclusion

Purpurogallin biosynthesis is driven by the shikimic acid pathway.

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