

Interactive comment on “Amino acids in Antarctica: evolution and fate of marine aerosols” by E. Barbaro et al.

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This is a very interesting study which certainly enhances knowledge on amino acids contribution in marine particulate matter. On p. 17070, second paragraph, you describe sources for amino acids in organic aerosol. Given the focus of your work “Amino acids in Antarctica” the following paper might be of interest to you. We have done research on amino acids and amine contribution to OA in Sub-Antarctica, Bird Island, (Schmale et al., 2013, <http://www.atmos-chem-phys.net/13/8669/2013/acp-13-8669-2013.html>). We found that they most likely originate from hatching penguins and that there are indications that amino acid rich particles are associated with super-micron particles. In addition, we identified markers for various amino acids that you have identified as well.

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