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## First observation of dinosaur skin layers using synchrotron radiation

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In this contribution, I will discuss the measurements using synchrotron radiation that led to the discovery of a remarkably well preserved skin layer of a hadrosaur from the Grand Prairie region. This is first ever observation of preserved epidermal skin layers in a large dinosaur. I will also present a direct comparison between these structures and those from an extant avian specimen, giving the first substantial evidence of the similarities between the organic layout of the skins of extinct non-avian and extant avian dinosaurs.

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