

## New systematic insights about Plio-Pleistocene moles from Poland

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The generic attribution of the Plio-Pleistocene Polish moles *?Neurotrichus polonicus* and *?Neurotrichus skoczni* has been questioned several times in the past. The fossil material belonging to *?Neurotrichus polonicus* and *?Neurotrichus skoczni* is re-evaluated here and a new diagnosis is provided on the basis of qualitative considerations. In addition, a Geometric Morphometric analysis of the humerus has been performed including both extant and extinct Neurotrichini and Urotrichini taxa for comparison. Our results proved the unique morphology of the Polish material suggesting a distinct taxonomic state. The morphological variations evidenced by the humeral shape analysis agree with the observed qualitative differences and support a new generic allocation. The new genus *Rzebikia* gen. nov. is proposed for all the material previously ascribed to *?Neurotrichus polonicus* and *?Neurotrichus skoczni*.

**Key words:** Mammalia, Talpidae, *Neurotrichus*, Geometric Morphometrics, humerus, systematics, taxonomy, Pliocene, Pleistocene, Poland.

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