

## Paleoseismology of the Nukumi fault, central Japan, revealed by a trenching study

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The Nukumi fault is a left-lateral strike-slip active fault trending NW-SE direction in Fukui and Gifu Prefecture. We excavated a trench at Nukumi area in Ono City to reveal the paleoseismic activity of this fault. Several strands of high-angle fault planes were observed on the trench walls. The exposure shows that three reliable faulting events including the 1981 Nobi earthquake and one probable event occurred after the deposition of the K-Ah tephra layer. The recurrence interval of this fault is estimated to be about 2,300 to 2,500 years.