

EXPRESSION OF CONCERN

[View Article Online](#)
[View Journal](#) | [View Issue](#)Cite this: *Nanoscale Horiz.*, 2025,
10, 835

Expression of concern: Innovative transdermal delivery of insulin using gelatin methacrylate-based microneedle patches in mice and mini-pigs

Bilal Demir,^{a,b,c} Lea Rosselle,^c Anna Voronova,^c Quentin Pagneux,^c Audrey Quenon,^d Valery Gmyr,^d Dorothee Jary,^b Nathalie Hennuyer,^e Bart Staels,^e Thomas Hubert,^d Amar Abderrahmani,^c Valerie Plaisance,^c Valerie Pawlowski,^c Rabah Boukherroub,^c Severine Vignoud^{*b} and Sabine Szunerits^{*c}

DOI: 10.1039/d5nh90011e

rsc.li/nanoscale-horizons

Expression of concern for 'Innovative transdermal delivery of insulin using gelatin methacrylate-based microneedle patches in mice and mini-pigs' by Bilal Demir *et al.*, *Nanoscale Horiz.*, 2022, **7**, 174–184, <https://doi.org/10.1039/D1NH00596K>.

The Royal Society of Chemistry is publishing this expression of concern in order to alert readers that concerns have been raised regarding the reliability of the data. The Royal Society of Chemistry has asked the University of Lille to investigate this matter. An expression of concern will continue to be associated with the article until we receive conclusive evidence regarding the reliability of the reported data.

Heather Montgomery
7th February 2025
Managing Editor, *Nanoscale Horizons*



^a CEA-TECH Region, Department Hauts-de-France, 165 Avenue de Bretagne, Lille 59000, France

^b LETI-DTBS, CEA, 17 rue des Martyrs, Grenoble, 38054, France. E-mail: severine.vignoud@cea.fr

^c Univ. Lille, CNRS, Centrale Lille, Univ. Polytechnique Hauts-de-France, UMR 8520 – IEMN, Lille F-59000, France. E-mail: sabine.szunerits@univ-lille.fr

^d Univ. Lille, CHU Lille, Inserm, European Genomic Institute of Diabetes (EGID), Institut Pasteur de Lille, UMR 1190, Lille F-59000, France

^e Univ. Lille, Inserm, CHU Lille, Institut Pasteur de Lille, U1011 – EGID, Lille F-59000, France