

# Rigidity in higher representation theory

Sabin Cautis<sup>\*</sup>

[cautis@math.ubc.ca](mailto:cautis@math.ubc.ca)

WEB: [www.math.ubc.ca/~cautis/](http://www.math.ubc.ca/~cautis/)

---

We explain why quiver Hecke algebras (KLR algebras) are ubiquitous in the higher representation theory of quantum groups.

---

<sup>\*</sup>Department of Mathematics, The University of British Columbia, 1984 Mathematics Road, Vancouver, BC V6T 1Z2, CANADA.