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Benjamin Briggs* (briggs@math.utah.edu) and **Srikanth Iyengar**. *Hochschild cohomology and André-Quillen cohomology*.

Hochschild cohomology is an important tool across algebra, especially in representation theory, while André-Quillen cohomology belongs (mostly) to commutative algebra. They are known to be intimately connected. I will try to explain how one can further exploit this connection to simultaneously prove a (now known) conjecture of Vasconcelos on the conormal module, and a conjecture of Quillen on the vanishing of André-Quillen cohomology (originally established by Avramov). All of this is joint work with Srikanth Iyengar. (Received September 14, 2020)