

# SEMINAR IN ALGEBRA

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Friday, February 15th at 2:00pm in Hume 331

**Title: Cohomology annihilators and Jacobian ideals**

Abstract: Let  $R$  be a commutative noetherian local ring. The cohomology annihilator  $ca(R)$  of  $R$  is defined as the intersection of the annihilators of Ext modules of finitely generated  $R$ -modules. In this talk, I will speak about some recent progress on a question of Huneke from the 1990s about the relationship of  $ca(R)$  with the Jacobian ideal of  $R$ . I will also present a couple of natural questions on  $ca(R)$ . This talk is based on joint work with Srikanth Iyengar.