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**Adriana Mejia Castano** ([sighana25@gmail.com](mailto:sighana25@gmail.com)), , Florianopolis, Brazil, **Susan Montgomery** ([smontgom@usc.edu](mailto:smontgom@usc.edu)), Los Angeles, CA, **Sonia Natale** ([natale@famaf.unc.edu.ar](mailto:natale@famaf.unc.edu.ar)), Cordoba, Argentina, **Maria Vega** ([maria.vega@usma.edu](mailto:maria.vega@usma.edu)), West Point, NY , and **Chelsea Walton\*** ([notlaw@temple.edu](mailto:notlaw@temple.edu)), Philadelphia, PA 19122. *Deformations of semisimple Hopf algebras.*

I will discuss the bi-Galois objects and cocycle deformations of the noncommutative, noncocommutative, semisimple Hopf algebras of odd dimension  $p^3$  and of dimension  $pq^2$ . This is joint work with Adriana Mejia Castano, Susan Montgomery, Sonia Natale, and Maria Vega. (Our project began at the BIRS WINART workshop in March 2016.) (Received September 04, 2017)