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**MONICA NEVINS**, University of Ottawa  
*Semisimple characters of fixed-point subgroups*

Let  $G$  be a connected reductive group over a local nonarchimedean field of residual characteristic  $p$  and set  $H = (G^\Gamma)^\circ$ , where  $\Gamma \subset \text{Aut}(G)$  is a finite group such that  $\gcd(p, |\Gamma|) = 1$ . The restriction of an Adler-Yu type  $(J, \lambda)$  to its pro- $p$  radical is called a semisimple character in the setting of Bushnell-Kutzko-Stevens types. In this talk we show that the restriction of any  $\Gamma$ -stable datum defining a semisimple character for  $G$  gives that of a semisimple character for  $H$  and that all semisimple characters for  $H$  arise in this way. This offers new examples of endo-equivalence (as introduced by Bushnell-Henniart) with interpretations in the local Langlands correspondence. Part of this is joint work with Peter Latham.