1000-11-196 **Elena Mantovan***, Department of Mathematics, University of Califonia at Berkeley, Berkeley, CA. *Moduli spaces of p-divisible groups with relation to the local Langlands correspondences.* Preliminary report.

Rapoport and Zink constructed certain moduli spaces of Barsotti-Tate groups as local analogues of Shimura varieties. Just as Shimura varieties are conjecturally related to the Langlands correspondences over number fields, the Rapoport-Zink spaces are conjecturally related to the Langlands correspondences over local fields.

I will discuss a conjecture explaining how the geometry of the Rapoport-Zink spaces reflects Langlands functoriality. (Received August 24, 2004)