1004-11-124   **James W Cogdell*** (`cogdell@math.ohio-state.edu`), Department of Mathematics, Ohio State
University, 231 W 18th Avenue, Columbus, OH 43210. *Bessel Functions and Functoriality.*

In the recent proofs of functoriality for the split classical groups and some quasi-split examples, (partial) Bessel functions
of local representations play a crucial role. In this talk (time permitting) I would like to explain the role these Bessel
functions play in the proof of functoriality via the converse theorem and then explain a new result on the asymptotics
of (partial) Bessel functions for quasi-split p-adic groups which should play a role in extending functoriality to new
cases. (Received January 21, 2005)