

# $p$ -adic Langlands and Lubin-Tate $(\varphi, \Gamma)$ -modules

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The construction of the  $p$ -adic Langlands correspondence for  $GL_2(\mathbb{Q}_p)$  uses cyclotomic  $(\varphi, \Gamma)$ -modules in an essential way. In order to extend the correspondence to  $GL_2(F)$  with  $F$  a finite extension of  $\mathbb{Q}_p$ , it should be useful to generalize the theory of  $(\varphi, \Gamma)$ -modules to the Lubin-Tate setting. I will explain some features of this generalization.