

# Local metal-insulator transition in a generalised Anderson impurity model

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Abhirup Mukherjee, Siddhartha Lal

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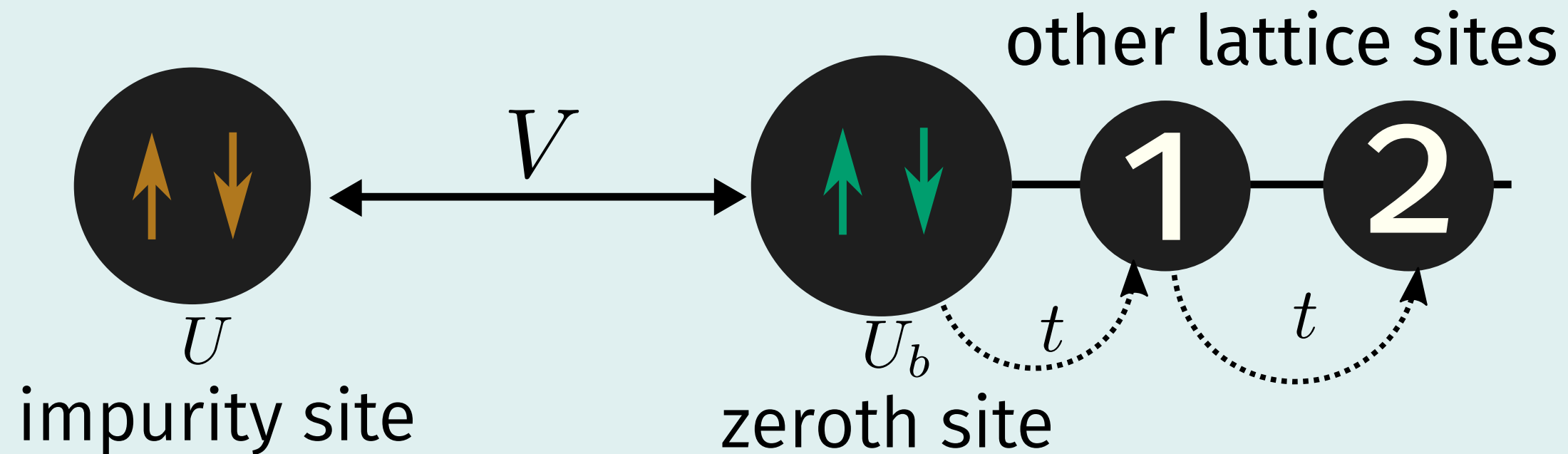
Department of Physical Sciences, IISER Kolkata, Mohanpur

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**Why another impurity model ?**

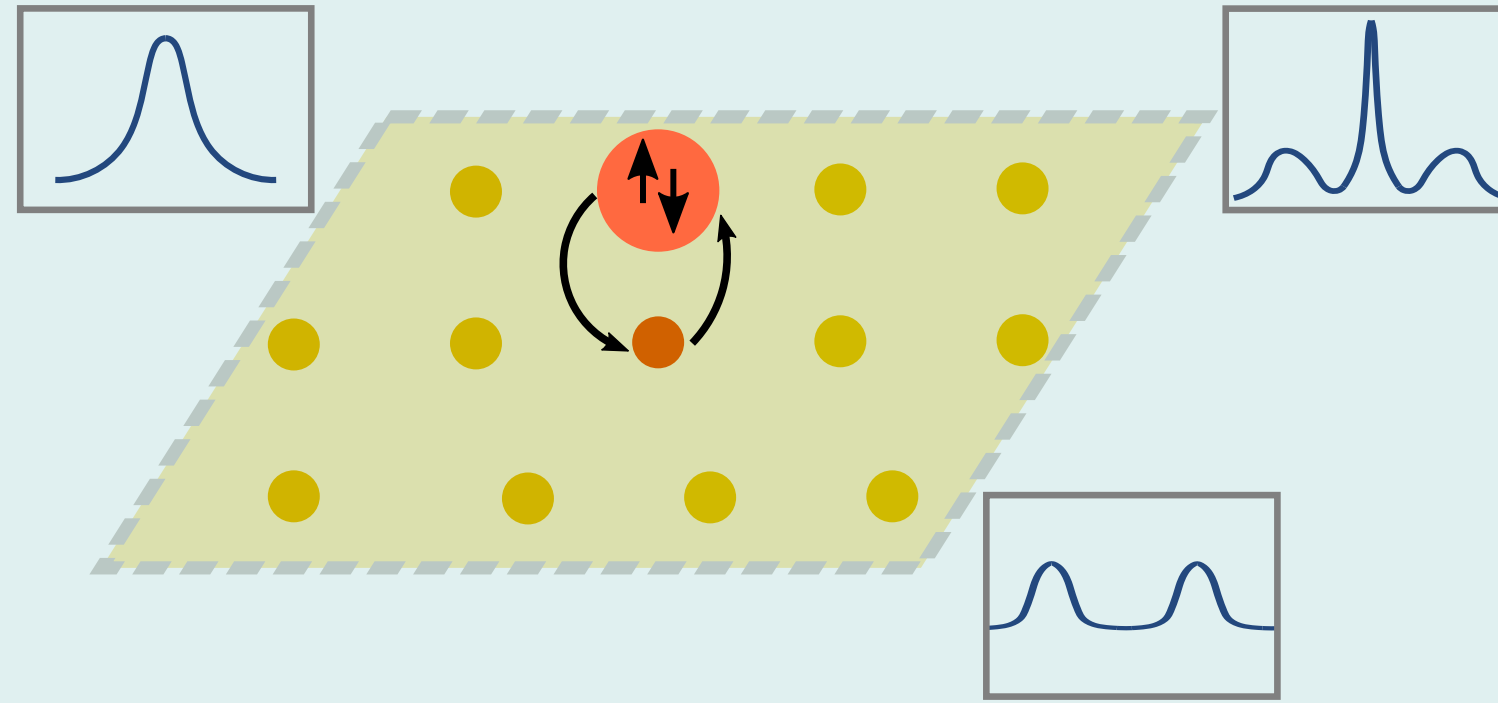
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# Anderson and Kondo impurity models - no transition!



- simplest models - Anderson and Kondo
- localisation physics + hybridisation
- impurity is **screened** at low  $T$

# DMFT and the Mott MIT



- DMFT implementations use impurity models
- Determine correct impurity model **self-consistently**
- Exact in  $d = \infty$  limit
- Displays **metal-insulator** transition in Hubbard model at  $\frac{1}{2}$ -filling