SELECTION CRITERIA

CLASSIFICATION/GRADE: ARC Research Associate (Lattice QCD)
POSITION NO:

DEPARTMENT: Physics and Mathematical Physics

ESSENTIAL MINIMUM CRITERIA

1. Qualifications
   A Ph.D. in physics or related discipline is required.

2. A commitment to research excellence in theoretical physics, particularly in the areas of hadronic and nuclear structure. This should be evidenced by:
   (a) Experience, demonstrated expertise and publications in reputable refereed journals specifically in Lagrangian based lattice QCD.
   (b) Publications in reputable refereed journals in other areas of relevance to the Centre: QCD, nonperturbative field theory, including lattice gauge theory, sum rules, light cone techniques, and nonperturbative renormalization, quark models - especially chiral quark models, electromagnetic and weak probes of strongly interacting systems.
   (c) Advanced analytical and computational skills, including demonstrated ability to perform numerical calculations using the FORTRAN 95 programming language and Mathematica.
   (d) Citations.

3. Personal Qualities
   (a) Ability to communicate effectively both verbally and in writing.
   (b) Effective interpersonal skills to enhance positive interaction and constructive cooperation.

THE UNIVERSITY OF ADELAIDE IS AN EQUAL OPPORTUNITY EMPLOYER