NIH Enhanced Peer Review Criteria – Charting the Key Concepts

**Significance**

Does research address
- Important Problem?
- or
- Critical Barrier?

Will achieved aims lead to **improvement** in
- Knowledge?
- and/or
- Technical capability?
- and/or
- Clinical practice?

Will achieved aims lead to **change** in
- Concepts?
- and/or
- Methods?
- and/or
- Technologies?
- and/or
- Treatments?
- and/or
- Interventions?

**Innovation**

Will this project **challenge** seek to shift
- Current research / clinical practice paradigms?

Using
- Novel theoretical concepts?
- and/or
- Novel approaches?
- and/or
- Novel methodologies?
- and/or
- Novel instrumentation?
- and/or
- Novel interventions?

And are these
- Novel to one field?
- or
- Novel in broad sense?

Is application proposing
- Refinement?
- or
- Improvement?
- or
- New application?

In
- Theoretical concepts?
- and/or
- Approaches?
- and/or
- Methodologies?
- and/or
- Instrumentation?
- and/or
- Interventions?

**Approach**

Are
- Strategy
- and
- Methodology
- and
- Analyses

Does application present
- Potential problems
- and
- Alternative strategies
- and
- Success benchmarks

Is project in **Early stages**?

- Strategy establish feasibility?
- Risky aspects be managed?

Then does application justify in terms of science/research goals
- Inclusion of human subjects and address risks?
- Inclusion of minorities, both sexes, children

Then will
- Clinical research?