1. Quality of the proposed research program

☐ Statement of any known sex differences in the biology or epidemiology of the disease under study

☐ Brief discussion of the influence of sex on the mechanism under study (e.g. genetic, sex hormone receptors, immune response)

☐ Clear articulation of whether or not the research question intends to examine sexual dimorphism

☐ Sample size considerations with respect to sex

☐ Description of additional ways in which sex/gender will be accounted for in research programs involving cells, tissues, animals and humans

☐ If sex/gender are being omitted, a scientifically sound justification should be provided

2. Strength of the team

☐ Identification of a Sex and Gender Champion within the research team

☐ Evidence that the Sex and Gender Champion has credibility and research experience in sex and/or gender science as relates to the field of study (i.e. graduate training, publication history, and/or IGH core competency certificate in sex/gender methodology related to the topic under investigation)

☐ Appropriateness of the role described for the Sex and Gender champion (i.e. responsible for guiding the formulation of sex/gender-related research questions within the research proposal; assurance that experimental design elements, analysis, reporting and knowledge translation plans reflect gold standard in sex/gender approaches)

FULL APPLICATION STAGE

1. Vision, rationale, and added value

☐ Clarity of the vision regarding the analysis and expected results/outcomes as they relate to sex and gender.

☐ Evidence of explicit consideration being given to achieving equitable health impacts across diverse patient/population sub-groups.

2. Quality and appropriateness of research approach with respect to sex/gender

Literature review

☐ Clear articulation that the phenomenon/condition/disease under study has a different incidence or prevalence based on sex.

☐ A literature review that describes known sex differences, or lack thereof, in the research area under study.

Research question

☐ Clear articulation of the type of research question being considered with respect to sex/gender:
  - Identifying sex/gender differences
  - Explaining sex/gender differences
  - Establishing sex/gender similarities in the mechanism under study
  - Investigating sex-specific pathways underlying a common phenotype
  - Studying sex/gender as a confounder or interaction variable while testing the main study hypothesis

Study Design and Methods

☐ Scientifically sound justification for proposing a single-sex study, if applicable.

☐ Identification of the sex of the cells, tissues or animals being used, if applicable.

☐ Description of the method for documenting/controlling the hormonal status of experimental female animals, if applicable.

☐ Description of the method for including equal numbers of male and female human participants for translational research, if applicable.

Analysis & Reporting

☐ Description of the analysis and reporting plan for sex-disaggregated data, if applicable.

☐ Sample size calculations to show adequate power for a sex-disaggregated analysis, where appropriate.

☐ Inclusion of a statement that negative findings with respect to sex will be reported.

3. Knowledge Translation Plan

☐ Description of how the knowledge translation strategies intend to maximize uptake by men and women/boys and girls; will the content/messages/products vary by sex or gender

Have you considered the possibilities?
Learn more: http://j.mp/genderandhealth