Action Potential #3
Sex and Gender in Research

ACTION POTENTIALS

Integrating sex and gender analysis into basic and clinical research strengthens not only individual projects, but also the translational pipeline and the value of science to the public. It is also increasingly required by funding agencies and publishers.[1] Advantages include:

- Transparent recording and reporting of sex and gender data improves experimental reproducibility and robustness of results
- Understanding the role of sex and gender in disease epidemiology can improve diagnosis and treatment
- Analyzing disaggregated sex and gender data can reveal opportunities for innovation

Selected online training resources:

CIHR - Sex and Gender in Biomedical Research
NIH - Sex as a Biological Variable (SABV): a Primer
NIH - Bench to Bedside: Integrating Sex and Gender to Improve Human Health*
Global Preclinical Data Forum - Adressing Sex as a Biological Variable in Preclinical Research *

* with modules in neurological context

Examples in research projects:

Gendered Innovations

Guidelines:

DFG, Horizon EU, SAGER Guidelines

Recommended reading:

1. Tannenbaum, C., Ellis, R.P., Eyssel, F., Zou, J., and Schiebinger, L. Sex and gender analysis improves science and engineering. Nature 575, 137–146 (2019).

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