**Rigor, Reproducibility & Transparency Checklist for VUMC Cores:**

* **Methods documented, systematically defined, consistently applied**
* **Core staff trained on instrumentation & methods**
* **Instrumentation maintained & calibrated**
* **Reagents validated, properly maintained w/inventory controls, proper storage**
* **Software tools validated**
* **Positive/negative controls used and justified**
* **Batch effects defined and reported**
* **Statistical tests appropriate to the data type and experiment**
* **QC, sample data clearly annotated; raw results provided when possible for future analysis**
* **Limitations on interpretation of data/results are explained**
* **Education, mentorship for experimental design, data analysis, accurate reporting of results**