

Significant Strands in Current Philosophy of Science

- 1) An Emphasis on Practice**
- 2) The Role of Values**
- 3) Particularity**

Specific research interests that incorporate (often more than one of) these strands:

- “theorizing” rather than “theory”
e.g. modeling practices,
interplay between theoretical and experimental practice
(usually developed through specific case studies)
- experimental practice rather than “confirmation theory”
e.g. methodological justifications for randomization and
double blind experiments,
the status of computer simulations
(and computation more generally)
- self-consciousness about representation
e.g. the function of diagrammatic and pictorial representations,
connections between art and science,
imagery in nanotechnology
- social epistemology rather than focus on an idealized
individual
e.g. the role of testimony and expertise,
projects from within feminist epistemology,
concern with scientific community structure
- concept analysis
e.g. “objectivity”
“disease”, “normal functioning”, “typicality”
“science” itself