Essential Elements of Collaboration

• **Cooperation**
  Needs to be a real Give and Take!

• **Trust**
  Partner will follow through
  Share ideas
  Not lie

• **Fairness**
  On the same level
  With younger and more experienced colleagues

• **Accountability**
  Knowledge that each will be accountable for their piece
Authorship Rules

There should be clear rules for authorship in a collaboration.

Contributions towards Authorship:
- Idea or Concept generation
- Compiling and summarizing background literature
- Design of experiments
- Technical know-how contribution to experiment
- Assistance in research logistics
- Development of methods
- Data collection/recording
- Data management/analysis
- Interpretation of observations
- Drafting and editing of manuscripts

Usually, two or more of the points should apply to warrant Authorship.

A contribution can also attributed in the “Acknowledgments”
“Rules of the Road for a Collaboration”

- Research Roles and Responsibilities
- Extent of Collaboration (time & money)
- Intellectual Property Rights
- Funding (any Internal Funds Committed?)
- Conflicts of Interest?
- Resource Sharing (how are Data Shared?)
- Dissemination of Results
- Schedule of the Project
- Regulations (e.g. Health & Safety; …)
- Rules for Authorship

Most of these are required as parts of major proposals!
The funding agency wants to know that it works.

Usually all of the above have to be in a proposal.