Similar to project II, project III consists of a paper and a talk and you work again in groups of two. The following description is for your paper but the content will be very similar for your talk. Your audience is in both cases an undergraduate student who has no background in the field of your scientist.

**Project:** Write a biography about a scientist in the present (still living or having died within the last ten years). In this project you are free to choose any scientist (no restriction to physicists) who may or may not be famous. However, excluded are the scientists which are part of the syllabus (Gell-Mann and Hawking). In this project it is required that you describe the work of your scientist.

**Suggestions for Scientists:**

- Instructor of science department at Bucknell. You may for example pick somebody of the field you have either declared in or are simply interested in.

- Fay Ajzenberg-Selove (Well known nuclear physicist, interesting character, Univ. of Pennsylvania)

- William D. Phillips (Won the Nobel Prize in Physics, excellent speaker, Maryland)

- Stephen J. Gould (Author of popular books, mentioned in L. Kay’s talk, biologist)

- Jane Goodall (Famous animal behavior scientist, gave talk at Bucknell)

- Hans Bethe (Won Nobel Prize in Physics, Manhattan Project)

- Eward Witten (Probably one of most brilliant living physicists, won the Fields Medal, which is the Nobel Prize equivalent in mathematics)

- Author of book, which raised your interest in science.

All of you should include in your biography a description of the work of your scientist. As part of the bibliography hard copies of at least two scientific publications are required. Each of these publications should either be a book or an article in a scientific journal, i.e. part of Web of Science. (See classnotes about how to find and get these sources.) Since it may be difficult to find sources about the life of living scientists, you may consider to interview your scientist (in person, via telephone or via email). An interview is however optional and not required (because some of the scientists, might simply be too busy to answer to your request). In case you decide to interview your scientist follow the description below.
Groupwork: This time a division into two parts of your biography may be impossible. You will therefore get one grade for your paper (group work) and an individual grade for your talk.

Interview:
- Arranging an Interview
  - Ask politely if your scientist might have time to meet with you or to answer questions on the phone or via email. (Most likely anybody you ask has a busy life, so do not assume that you will get a positive answer.)
  - Specify in your question how long your interview would roughly take.
  - Specify that this is for a project in our class. Explain shortly which kind of course and which kind of questions you would have.
- Planning an Interview
  - Learn about the scientist before you walk into the interview.
  - Prepare specific questions.
  - Focus on a few topics.
- Interview
  - Take clear and complete notes.
  - Ask whenever something is unclear to you and slow down your scientist if the information comes too fast.

Academic Responsibility: Same as in Project II: Find your own words and list references for the sources of the content of your paper.

Deadlines:
- Nov. 6: Sign-up for group partner and scientist.
- Nov. 8: Bibliography (minimum of two scientific publications)
- Nov. 18: First version of paper.
- Nov. 25: Final paper.