**f. Biographical Sketch(es)**

**(i) Senior Personnel**

A biographical sketch (limited to two pages) is required for each individual identified as senior personnel. (See GPG Exhibit II-7 for the definitions of Senior Personnel.) The following information must be provided in the order and format specified below. Inclusion of additional information beyond that specified below may result in the proposal being returned without review.

**Do not submit any personal information in the biographical sketch.** This includes items such as: home address; home telephone, fax, or cell phone numbers; home e-mail address; drivers’ license numbers; marital status; personal hobbies; and the like. Such personal information is not appropriate for the biographical sketch and is not relevant to the merits of the proposal. NSF is not responsible or in any way liable for the release of such material. (See also GPG Chapter III.H).

**In FastLane, if biographical sketches for all senior personnel are uploaded in a single PDF file associated with the PI, insert text or upload a document that states, “Not Applicable” for any co-PI or Senior Person.**

**(a) Professional Preparation**

A list of the individual’s undergraduate and graduate education and postdoctoral training (including location) as indicated below:

Undergraduate Institution(s) Location Major Degree & Year

Graduate Institution(s) Location Major Degree & Year

Postdoctoral Institution(s) Location Area Inclusive Dates (years)

**(b) Appointments**

A list, in reverse chronological order, of all the individual’s academic/professional appointments beginning with the current appointment.

**(c) Products**

A list of: (i) up to five products most closely related to the proposed project; and (ii) up to five other significant products, whether or not related to the proposed project. Acceptable products must be citable and accessible including but not limited to publications, data sets, software, patents, and copyrights. Unacceptable products are unpublished documents not yet submitted for publication, invited lectures, and additional lists of products. Only the list of ten will be used in the review of the proposal.

Each product must include full citation information including (where applicable and practicable) names of all authors, date of publication or release, title, title of enclosing work such as journal or book, volume, issue, pages, website and URL or other Persistent Identifier.

If only publications are included, the heading “Publications” may be used for this section of the Biographical Sketch.

**(d) Synergistic Activities**

A list of up to five examples that demonstrate the broader impact of the individual’s professional and scholarly activities that focuses on the integration and transfer of knowledge as well as its creation. Examples could include, among others: innovations in teaching and training (e.g., development of curricular materials and pedagogical methods); contributions to the science of learning; development and/or refinement of research tools; computation methodologies, and algorithms for problem-solving; development of databases to support research and education; broadening the participation of groups underrepresented in STEM; and service to the scientific and engineering community outside of the individual’s immediate organization.