

1. Q: “The BAA talks about algal-oil extraction and in particular modified liquid CO₂ extraction, and briefly about the need for more expertise in microalgae growth and manipulation. Can you please clarify – is the USAFA looking for potential partners, collaborators in the extraction space (using modified LCE) or are they ONLY looking for additional expertise in microalgae area?”

A: We are seeking additional expertise in the microalgae area, i.e., cultivating/manipulating select fresh, brackish and marine algal species towards optimizing lipid productivity. Specifically we are looking to place a research scientist (post doc) at USAFA with a background in applied algal biochemistry, physiology and lipid biosynthesis to investigate/integrate a variety of approaches to increase oil yields in these types of microalgae. At this time we are only seeking preliminary information that may facilitate this arrangement expediently in the near term.

2. Q: “Should the prospective offeror already have access to a supercritical liquid CO₂ extractor or is this not necessary?”

A: Not necessary

3. Q: “Is this call specifically about eukaryotic microalgae and lipids (i.e. triglycerides), or is also production of hydrocarbon biofuels in cyanobacteria considered?”

A: At this time we are focusing on eukaryotic species only

4. Q: “Is it correct that the primary objective of the LSRC is to obtain assistance in screening, manipulating, and cultivating the algae with an additional interest in investigating carbon partitioning routes?”

A: Yes, see response provided for question number 1.

5. Q: “What is the page limit for the white paper?”

A: There is not page limit for the white paper. White paper submission details per the USAFA-BAA-2009-1:

Content and Form of Application Submission –

a. White Paper - Before submitting a White Paper, you may wish to further explore proposal opportunities. You can do this by contacting the appropriate USAFA Technical Program Manager who can provide greater detail about a particular opportunity; the Technical Program Manager may then ask for a white paper. However, in your conversations with a Government official, be aware only warranted contracting and grants officers are authorized to commit the Government.

If you prefer, or the Technical Program Manager requests, you may submit a White Paper, which should briefly describe the proposed research project’s (1) objective, (2) general/technical approach, (3) rough-order of magnitude cost, (4) anticipated outcome and (5) impact of specific research. The white paper may also contain any unique capabilities or experience you may have (e.g., collaborative research activities involving Air Force, DoD, or other Federal laboratory.) The Technical Program Manager may have additional guidelines regarding form and content of preliminary proposals.

For additional information regarding White Papers and for ease of offerors and consistency, please see the AFRL BAA Guide for Industry at www.wpafb.af.mil/library/factsheets/factsheet.asp?id=6790.%20

White Paper Format

- **Paper Size** – 8.5 x 11 inch paper
 - **Margins** – 1 inch
 - **Spacing** – single or double spaced
 - **Font** – Times New Roman, 10 or 12 point
 - **Page Limitation** – None, although unnecessarily elaborate proposals are not desirable.
 - **Copies** – as discussed with the Technical Program Manager
 - **Content** – as described above
- White Papers must be submitted to 10CONS.LGCC@usafa.af.mil; they should NOT be submitted directly to the Technical Program Manager.

Our call is tailored to eukaryotic algal organisms....as you read in our call announcement, we are seeking additional expertise in cultivating/manipulating select fresh, brackish and marine algal species towards optimizing lipid productivity. Specifically we are looking to place a research scientist (post doc) at USAFA with a background in applied algal biochemistry, physiology and lipid biosynthesis to investigate/integrate a variety of approaches to increase oil yields in these types of microalgae. At this time we are only seeking preliminary information that may facilitate this arrangement expediently in the near term. As you are probably very much aware, government funding is quite limited at this time, and we are still awaiting further word for funding to support this new requirement under a cooperative agreement instrument (as stated in the anticipated funding section).

6. Q: “Is the announcement unrestricted?”

A: The call announcement is unrestricted, per USAFA-BAA-2009-1-CALL-0003 Synopsis: Eligible Applicants- Unrestricted

7. Q: “Is a higher education institution eligible?”

A: Higher education institutions are eligible.

8. Q: “The zip file supposed to contain all attachments seems to contain just the synopsis. How can I access the attachments, e.g. the Research Consideration document that is referred to in the synopsis.”

A: The published full announcement has been revised to remove references to the Research Considerations as well as the Statement of Work. The current announcement is all inclusive.