SAMPLE – NOT FOR CONTEST ENTRY

Entries must be submitted via the electronic submission form to be considered

Genes in Space 2024

Application Form – over 13

Contestant

First name _____ Last name _____ Age _____

Address _____

Email _____ Phone _____

Grade in school (must be in grade 7 – 12)_____

School or institution mailing address

Name of school or program

_____

Address

_____

Teammate (optional; limit 1)

First name _____ Last name _____

Email _____ Phone _____

Grade in school (must be in grade 7 – 12) _____ Age _____

Name of your adult sponsor (teacher/parent/guardian/other)

First name _____ Last name _____

Email _____ Phone _____

SAMPLE – NOT FOR CONTEST ENTRY

Entries must be submitted via the electronic submission form to be considered

APPLICATION

1. What is the title of your project? (100 characters)

2. Describe the scientific problem that you propose to address. What is the question you are trying to answer? What makes it significant, relevant, and interesting? (200 words)

3. State your hypothesis and explain your reasoning. (200 words)

4. Outline your experimental plan:
   - Which tools from the GiS toolkit will you use to test your hypothesis? (50 words)
   - What samples will you test? (100 words)
   - What controls will you include? (100 words)

5. Explain why you selected the tools you incorporated into your experimental plan. (100 words)

6. Citations. (optional)

7. How did you hear about Genes in Space?

SCORING CRITERIA

I. Have you identified an important question or challenge related to space biology? (10 points)

II. Have you clearly addressed why your experiment must occur aboard the International Space Station? (10 points)

III. Have you selected a space biology problem that can be explored using molecular biology methods and identified a molecular target for investigation? (10 points)

IV. Have you stated a clear and well-reasoned hypothesis? (20 points)

V. Have you presented a clear and actionable experimental plan? (20 points)

VI. Does your experimental design make sensible use of the Genes in Space Toolkit? (10 points)

VII. Does your proposal communicate your ideas clearly? (10 points)

VIII. Does your proposal inspire enthusiasm for your selected topic? (10 points)