Texas A&M University  
Certificate in Space Life Sciences  
2014 Student Application

Name: ____________________________________________________________

Degree Sought: ____________________________________________________

Years at TAMU: ____________________________________________________

GPR: ___________ (undergrad) _________________ (graduate)

__________________________________________  __________________________
Student Signature                                  Date

__________________________________________  __________________________
TAMU/HSC Faculty Mentor Signature or Date
TAMU/HSC Department Administrator

Deadline: A Complete package must be submitted by February 17, 2014. Selections will be made by March 11, 2014 and student involvement will be activated with the fall 2014 semester.

Benefits of participation include a fellowship ($22,800/year for two years), tuition payment (9 hours of TAMU-equivalent tuition and including fees), and $1000.00 towards travel/meeting expenses for two years (to present research data generated in experiments conducted while a fellow in the program).
Application components include:
1. Application cover page.
2. Copy of TAMU or HSC graduate application, (unofficial transcripts are acceptable from all prior and current universities).
3. Letters of recommendation (3 total).
4. If the TAMU or HSC faculty mentor has been identified, submit a letter from the mentor explaining how you the student will be trained in space life sciences research and their plans for supporting you after the two years of financial support from the fellowship ends.
5. Curriculum vitae or resume of student.
6. Student essay (2 to 3 pages) describing potential research and career goals, emphasizing how participation in this program will help you achieve your career goals.
7. Copy of the student’s formal acceptance letter into graduate school from the TAMU Office of Admissions or the HSC Office of Admissions, if already accepted.

Eligibility:
Mentored Research program participants must be a United States citizen who are accepted into a Ph.D. doctoral program at Texas A&M University in either: 1) Biomedical Engineering 2) Genetics 3) Exercise Physiology, 4) Nuclear Engineering (Health Physics), 5) Nutrition, or 6) students at the TAMU Health Science Center Graduate School of Biomedical Science who are accepted into the M.D./Ph.D. or Ph.D. program in Medical Sciences.

Participation in the program requires completion of extra courses and experiential training event(s) that will lead to a Certificate in Space Life Sciences that will appear on the student’s University or HSC transcript.
1. All students will take Fundamentals of Space Life Sciences (KINE/NUEN/NUTR 646), Scientific Ethics (VMID 686 or MSCI 687-600) and participate in the Space Life Sciences Seminar (KINE/NUEN/NUTR 681-610).
2. Texas A&M students will also be required to take two courses outside of their major; these include Nutritional Biochemistry 1 (NUTR 641, for NUEN and KINE); Applied Exercise Physiology (KINE 649 for NUTR and NUEN); and Theory and Applications of Microdosimetry (NUEN 615 for NUTR and KINE). Health Science Center students will be required to take all three classes listed above except for KINE 649 if they have already taken Structure and Function of Human Organ Systems (MEID 905) at the HSC-GSBS.
3. All students will participate in an experiential event at NASA/JSC during their first summer as a fellow. During the second outside experience TAMU Fellows will participate in the NASA Space Radiation Summer School at Brookhaven National Laboratory, in bed rest studies conducted at UTMB Galveston, or in relevant training at an external lab.
4. Lastly, all trainees will participate in one teaching/service component, which can include giving lectures to middle/high school classes, preparing a streaming video to be used in other classroom settings, and participating in workshops/seminars held by the Center for Teaching Excellence.

Application packages should be sent to:
Chelsea Bishop Smith, MPH
Department of Nutrition and Food Science
Texas A&M University
213 Kleberg Center, 2253 TAMU
College Station, TX  77843-2253