**MEMORANDUM**

Date: December 4, 2022

To: STEM Professor, PhD

From: STEM Student

Regarding: Requested letters of recommendation

Below is the list of programs that will be contacting you to submit a letter of recommendation on my behalf. Please note that there are 6 PhD programs and 2 master’s programs.

My deadlines for the submissions are:

* PhD and master’s programs are due December 1, 2022
* With the exception of:
  + University of North Carolina Chapel Hill Priority Deadline is November 23, 2022.

As a reminder:

* I was enrolled in GRAD 492 Directed Research as an undergraduate student researcher as part of the Ronald E. McNair Achievement Program in Summer 2022 where I received an A.
* We discussed my interests in pursuing a PhD in Cellular and Molecular Medicine, Immunology, or Pathology in one of the several graduate schools mentioned below.
* I completed an original research project on mobilization of specific NK and T-cell subsets in response to ISO infusion and exercise. I compiled a complete literature review, performed statistical analysis on previously gathered data, developed conclusions, and created an original research report as well as an original research presentation.
* I am currently enrolled in your NSC 492 Directed Research course and also intend to receive an A. I am constantly trying to further my understanding of the field of immunology and am engaged during lab meetings and presentations.

Thank you for your continued support, mentoring, and guidance in my pursuit of graduate education. If you need any additional information, please feel free to contact me at any time.

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| **Personal Information:** | |
| **Student Name:**  STEM Student  **Home Address:**  1400 N Park Ave  Tucson, AZ 85721 | **Email:**  [STEMSTudent@email.arizona.edu](mailto:STEMSTudent@email.arizona.edu)  **Cell Phone:**  (520) 606-2222 |
| **Current Major:**   * Nutritional Sciences   **Current Minor:**   * Leadership Studies and Practice | **Cum GPA: 3.80**  **GRE Scores: Verbal 160, Math 165, Writing 5, taken July 12, 2022** |
| **Long-term Career Goals:**  Tenured professor affiliated with a Research 1 institution conducting original research as well as teaching the next generation of academics. | **Intended Graduate Degree:**  PhD |

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| **Background Information** | |
| First individual in family to pursue a PhD: mother has a high school diploma and father has a bachelor’s degree.   * Mother’s side has never completed above a high school diploma. * Father’s side has various degrees, but no one has received a PhD. | Mother’s family immigrated from Mexico, so the focus was more on work rather than an education. Thus, my family fostered an environment which allowed me to fall in love with learning and develop into the committed and enthusiastic scholar I am today. |
| Part of the Ronald E. McNair Achievement Program within the Undergraduate Research Opportunities Consortium (UROC) | This program solidified my technical research skills as well as my confidence in the field. It has solidified my desire to move forward as a graduate student and researcher. |
| Latina/Hispanic: Mother’s side migrated from Mexico | My Hispanic identity is important to me because in my future academic career, I want to ensure members of my community have access to knowledge and resources. |

**Graduate Program Information:**

The tables below include information on the fellowships, schools, and respective programs I am applying to. Additionally, they provide information on how each program will advance my academic career based on aligned research interests with affiliated faculty members.

**General Research Interests:**

I am interested in studying immunology/physiology as well as the benefits of translational medicine on disease. The topics I wish to investigate in graduate school include the relationship between sex differences and hormones on immune response, T-cell responses, cancer immunology, mechanisms of autoimmune diseases, inflammation and the immune response, immunosenescence, host defense mechanisms, tumorigenesis, and impact of exercise on immune cell mobilization.

**Submitting Letters:**

All schools have an online system where I will insert your email as the recommender, and you will be emailed instructions regarding the completion of the letter of recommendation.

**Fellowship Applications are due October 28th and December 15th 2022**

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| **Graduate Fellowships:** | **Deadline** |
| **Hertz Foundation Fellowship**  Graduate Research Fellowship Program  2300 First Street, Suite 250  Livermore, CA 94550 | October 28, 2022 |
| **Ford Foundation Predoctoral Fellowship**  Graduate Research Fellowship Program  500 Fifth Street, NW  Washington, DC 20001 | December 15, 2022 |

**PhD Applications:**

**All PhD and Master’s Applications Due December 1st, 2022 with the exception of:**

* **The University of North Carolina at Chapel Hill (due November 23rd, 2022)**

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| **School & Dept Address** | **Program** | **Primary Faculty** | **Research Match** |
| 1.) Johns Hopkins University  School of Medicine  Suite 2-103  1830 E. Monument St.  Baltimore, MD 21205 | PhD in Cellular and Molecular Medicine | 1.) Sabra Klein, PhD  2.) Drew Pardoll, MD, PhD | 1.) Sex differences and endocrine signaling on immune response  2.) T cell immunotherapy and cancer immunology |
| 2.) Vanderbilt University  School of Medicine  Department of Pathology, Microbiology & Immunology  1161 21st Ave S  #D3300  Nashville, TN 37332 | PhD in Biological and Biomedical Sciences (Molecular Pathology and Immunology) | 1.) Julie A. Bastarache, MD  2.) Leslie J. Crofford, MD  3.) Wonder Puryear, MD | Pathophysiology of acute respiratory distress syndrome (ARDS) and sepsis  2.) Improve patient outcomes of rheumatoid arthritis (RA)  3.) Etiology of chronic inflammatory states in sarcoidosis |
| 3.) University of North Carolina at Chapel Hill  Department of Biological & Biomedical Sciences  130 Mason Farm Road  1125 Bioinformatic Building  Chapel Hill, North Carolina 27599-7108 | PhD in Pathobiology and Translational Sciences | 1.) Ronald Falk, MD  2.) Jonathon Homeister, MD, PhD  3.) Claire M. Doerschuk, MD | 1.) Relationship between kidney diseases and autoimmune responses  2.) Leukocyte trafficking and inflammation/immune response  3.) Host defense mechanism of the lungs assessing inflammatory and innate processes |
| 4.) University of Maryland Baltimore  School of Medicine  Graduate Program in Life Sciences (GPILS)  University of Maryland  School of Medicine  655 W. Baltimore St  Baltimore, MD 21201 | PhD in Molecular Medicine | 1.) Tonya Webb, PhD  2.) Pan Zheng, MD, PhD  3.) Li Zhang, PhD | 1.) CD1d-mediated NKT cell activation for cancer immunotherapy  2.) Tumor immunology and signal transduction in HSC  3.) Cardiovascular diseases, autoimmunity, and inflammation |
| 5.) University of Virginia  School of Medicine  Biomedical Sciences Graduate Program  200 Jeanette Lancaster Way  Charlottesville, VA 22903 | PhD in Experimental Pathology | 1.) Chance Luckey, MD, PhD  2.) Janet Cross, PhD  3.) Thomas Braciale, MD, PhD | 1.) Immune memory and cytokine control of memory lymphocytes  2.) Host immune response is reprogrammed by tumors to promote growth  3.) Host immune response to virus infection, role of adaptive immunity |
| 6.) Harvard University  Graduate School of Arts and Sciences  BBS Program Office  25 Shattuck Street  Gordon Hall, Room 005  Boston, MA 02115 | PhD in Biological and Biomedical Sciences (Leder Human Biology and Translational Medicine) | 1.) Catherine Wu, MD  2.) Rakesh K. Jain, PhD  3.) Bruce Levy, MD | 1.) Mechanisms of chronic lymphocytic leukemia (CLL) to improve therapies  2.) Role of tumor microenvironment and manipulations of it  3.) Endogenous mechanisms for resolution of lung inflammation and injury |

**Master’s Programs**

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| Schools | Program | Program Match |
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| 2.) King’s College London  Department of Biomedical and Molecular Sciences  Strand, London WC2R 2LS, UK | Master of Science in biomedical and molecular sciences | Master’s program which covers genetics, biochemistry, neurobiology, cardiovascular research, and neurobiology. Participation in a nine-month research project, which option to obtain research training in Singapore. |

**All schools will send a notification when your name has been submitted on my part.**

**All letters are due through an online portal.**