### SUMMER RESEARCH ASSISTANTSHIP in EMERGENCY MEDICINE

**SRA-EM**

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<thead>
<tr>
<th><strong>Student Name:</strong></th>
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<td><strong>Email:</strong></td>
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<tr>
<td><strong>Level:</strong> (eg., PLME Freshman, MD Yr 1):</td>
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<tr>
<th><strong>Mentor Name:</strong></th>
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<td><strong>Email:</strong></td>
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<tr>
<th><strong>Co-Mentor Name (if applicable):</strong></th>
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<td><strong>Email:</strong></td>
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<tr>
<th><strong>Project Year:</strong></th>
<th>Summer 2018</th>
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<tr>
<td><strong>Project Title:</strong></td>
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<tr>
<th><strong>Previous SRA or Fellowship:</strong></th>
<th>☐ Yes ☐ No</th>
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<tr>
<td><strong>If YES, who was your previous faculty mentor?</strong></td>
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#### Administrative Endorsements

**I certify that this is my own original work. I have worked with my mentor in the development of this project. I agree to accept responsibility for the scientific conduct of the project and to provide the required reports if this application is approved.**

**Student Initials:** _____

**Student Signature:** _______________________________ **Date:** _______________________________

**I certify that I have worked with the student in the development of this application. This work is separate from my own work; it is the student's original project. I certify that the statements herein are true and complete to the best of my knowledge and have reviewed this proposal to ensure its scientific merit and adequacy, and that it meets the standards of the Department. I have reviewed and agree to follow the mentorship expectations at the end of this application.**

**Mentor Initials:** _____

**Mentor Signature:** _______________________________ **Date:** _______________________________

**I certify that I have worked with the student in the development of this application. This work is separate from my own work; it is the student's original project. I certify that the statements herein are true and complete to the best of my knowledge and have reviewed this proposal to ensure its scientific merit and adequacy, and that it meets the standards of the Department. I have reviewed and agree to follow the mentorship expectations at the end of this application.**

**Co-Mentor Initials:** _____

**Co-Mentor Signature:** _______________________________ **Date:** _______________________________

This application, including all signatures, a mentor letter, and proof of IRB submission must be e-mailed to Amy Michaluk (amichaluk@lifespan.org) no later than **February 1, 2018**.
BACKGROUND (1/2 Page)

Instructions: This section should answer 3 questions: what is known, what is not known, and why is it essential to pursue answers to the remaining open questions. Begin with a brief outline of the highlights in the background review. (Note: Please delete italicized instructions from your final submission.)

SPECIFIC AIMS (1/2 Page)

Instructions: List concisely the goals of the proposed research and summarize the expected outcome(s). Describe the specific objectives of the research proposed, e.g., to test a stated hypothesis, create a novel design, solve a specific problem, challenge an existing paradigm or clinical practice, address a critical barrier to progress in the field, or develop new technology. (Note: Please delete italicized instructions from your final submission.)
RESEARCH STRATEGY (1 Page)

A. Significance

Instructions: Explain the importance of the problem or critical barrier to progress in the field that the proposed project addresses. Explain how the proposed project will improve scientific knowledge, technical capability, and/or clinical practice in one or more broad fields. (Note: Please delete italicized instructions from your final submission.)

B. Innovation

Instructions: Explain how the application challenges and seeks to shift current research or clinical practice paradigms. Describe any novel theoretical concepts, approaches or methodologies, instrumentation or interventions to be developed or used, and any advantage over existing methodologies, instrumentation, or interventions. (Note: Please delete italicized instructions from your final submission.)

C. Approach

Instructions: Describe the overall strategy, methodology, and analyses to be used to accomplish the specific aims of the project. (Note: Please delete italicized instructions from your final submission.)
STUDENT RESPONSIBILITIES (1 Page)

Instructions: Explain each of the responsibilities of the student and the expected timeline of completion. Describe the schedule agreed upon between the mentor and student including: a work schedule; a meeting schedule; and any other times the student is expected to be present in relation to this project. Describe where the student will conduct the project (i.e. the exact workspace, office, clinical area) and describe the availability of all resources (e.g. a dedicated computer, etc.) necessary for completion of the project. (Note: Please delete italicized instructions from your final submission.)
MENTOR LETTER OF SUPPORT (No page limit)

Instructions: The letter of support should include (1) a brief overview of the project and the student’s role and responsibilities, (2) a formal statement that the necessary space, equipment and supplies will be available, (3) a formal statement that arrangements have been made to provide the student with the expected level of faculty guidance and supervision as described in the mentor expectations below, and (4) provide the committee with details of your plan for meetings with the student, how often you will meet, when, and where. If the student plans to take a course over the summer or has other commitments that will run concurrently with the assistantship, the mentor should address this situation in the letter and give their consent. Address the letter to the SRA-EM Review Committee. Attach the letter to the end of this application.

Note: If there is a co-mentor involved, a letter should be submitted by the co-mentor as well.

Mentorship Expectations

The SRA-EM Committee expects that the student and faculty member will meet a minimum of once per week so that there are structured opportunities to discuss the ongoing work. Students should not be expected to work independently for long stretches without adequate mentoring. Applications must show evidence of collaboration between student and faculty.

When applying for the SRA-EM, the student must be fully prepared to take and complete the SRA-EM. Therefore, prior to agreeing to mentor a student, it is the mentor’s responsibility to ensure the student is aware of their role and responsibilities on the project, as well as the expected hours that the student will be required to work. If the student plans to take a course over the summer or has other commitments that will run concurrently with the assistantship, the mentor should be aware of this situation and give their consent.

Each faculty mentor will be asked to give a 1-hour “journal club-style” lecture to all of the SRA-EM students. This opportunity is offered each summer to enhance the research experience of these students with some didactic instruction. The article you present should focus on one major research concept of your choice.

Establishing a positive mentoring relationship is very much like establishing other valued human relationships in a number of respects. Both parties usually have a genuine desire to understand the values and expectations of the other person, and to respect and become sensitive to one another’s feelings and needs.

At the same time, mentoring relationships differ in an important way from other personal relationships because they are professional in nature. Mentors are responsible for conveying and upholding the standards, norms, and values of the profession. They are responsible for offering support and challenge to the recipient of their mentoring while the recipient strives to fulfill the profession’s expectations.

IRB APPROVAL LETTER (No page limit)

Instructions: Approval by the Lifespan IRB or IACUC is mandatory and is the mentor’s responsibility. The IRB application must be submitted before the SRA-EM application deadline (February 1, 2017).

As the student is not yet registered as part of the Lifespan workforce, the student cannot be responsible for submitting the IRB application. However, the student may undergo the experience of preparing drafts of the IRB protocol and other required forms. The student’s name will not be listed on the IRB application at the time of submission. You may state in the IRB application that you are recruiting a summer RA and will add them to the application at a later date. Students must request a copy of the IRB approval letter from their mentor and attach it to the end of this application. If IRB approval is still pending, please attach proof of submission (i.e. a screenshot from IRB.net).

Please indicate the status of the IRB submission:

- [ ] Approved  Attach IRB approval letter
- [ ] Pending approval  Attach proof of submission (i.e. a screenshot from IRB.net)