**Mission of the AHPRC**

*A leading center facilitating collaborative and innovative research in athletic, healthy, and clinical populations to advance knowledge and reach beyond boundaries to optimize human performance while training the next generation of basic and applied scientists.*

A global goal of the AHPRC is to facilitate interdisciplinary, collaborative, and innovative research to understand and enhance performance in athletic, healthy, and clinical populations across the lifespan while providing educational and training opportunities for the Marquette community.

**ABOUT THE AHPRC PILOT AWARD PROGRAM**

The Marquette Athletic and Human Performance Research Center (AHPRC) pilot award program is designed to facilitate and foster collaborative health- and performance-related research between disciplines at Marquette University and with partner institutions that align with the following:

1) understanding the mechanisms, the best strategies and cutting-edge technology for enhancing athletic and human performance in healthy and clinical populations across the lifespan,

2) utilizing ‘*exercise as medicine’* as well as nutritional, psychological and other novel interventions for optimizing performance, training, rehabilitation and prevention of disease and injury.

**Goals of PILOT Funding Opportunity**

The goal of this request for proposals (RFP) is to stimulate and support health and human performance research among disciplines at Marquette or in collaboration with partner institutions that can be further developed into larger extramurally funded projects and collaborations that may be conducted within the AHPRC. The proposed studies must be consistent with the global aims of the AHPRC and the funding award program.

The goal of the AHPRC is to encourage new and innovative approaches and harness already established strategies, methods and data sets to understand and enhance performance (physical and mental) in athletic, healthy and clinical populations across the lifespan and in response to exercise, physical activity, nutritional, psychological and other novel interventions. This will be done by creating clusters of investigators across disciplines in the Marquette community and in collaboration with partner institutions. This award scheme prioritizes multiple investigators within a project to encourage interdisciplinary collaboration between teams of investigators to solve problems related to the global aims of the AHPRC.

**FUNDS WILL BE PROVIDED TO:**

1. **Support new and promising collaborative projects** that increase the understanding of athletic and human performance with respect to injury prevention, rehabilitation and optimizing human performance within athletic, healthy and clinical populations. For example, topic areas could include (but not limited to) metabolic disorders, cancer, adaptive sports, data analytics in human sports and performance, head injuries/concussion, populations across the lifespan (pediatric and older adults), or COVID-19 pandemic-related health disparities.
2. **Gather preliminary data for projects poised to be competitive for new extramural grant** submissions that are relevant to
   * **understanding the mechanisms of human performance** (physical and mental) within an athletic, healthy, or clinical population.
   * **understanding the influence of physical activity, exercise training, nutrition and psychological interventions** on health and human performance within an athletic, healthy or clinical population.
   * research in **novel technologies, approaches and data applications** to **understanding and improving** health andhuman performance in athletic, healthy and clinical populations.
3. **Fund novel analyses or approaches of already existing data sets** that provide new insights and understanding of health and human performance in athletic, healthy and clinical populations.
4. **Stimulate and foster interdisciplinary collaborations** between scientists, engineers, coaches, clinicians, and other researchers to understand and improve human performance and solve health-related problems using exercise training, physical activity, nutrition, and psychological interventions in athletic, healthy or clinical populations.

**GUIDELINES and REQUIREMENTS**

* The principal investigator (PI) must be faculty from Marquette University.
* Collaborations are encouraged.
* Use of AHPRC facilities and services for this research is encouraged but not required.
* **Important Dates (summarized at the end of the RFP)**:
  + **Final proposal due:** 4:00 PM CDT Friday August 13th, 2021
  + **Award of funds:** October 1, 2021\*
  + **All awarded funds spent** by Friday, May 27th, 2022
  + **Final report due:** Friday, July 1st, 2022

\* ***Institutional Review Board (IRB)*** *approval must be obtained prior to the award and release of funds for research involving human subjects.*

* Questions are to be directed to Dr Sandra Hunter (Director of the AHPRC in the Office of Research and Innovation) via email at [Sandra.Hunter@marquette.edu](mailto:Sandra.Hunter@marquette.edu)

**Budget**

* Several awards will be funded from $5,000 up to $10,000 each.
* There will be no indirect costs.
* All funds must be spent by May 27th, 2022.
* Academic year salary for faculty will not be granted.
* Salary can be granted for research assistants, undergraduate students, or graduate students to complete the work.
* Equipment requests over $4,000 in general, will not be granted.

**Review of Proposals**

Proposals will be reviewed over a 4-5-week period based on the National Institutes of Health (NIH) scoring system which involves a 9-point scale (1-9). Key areas to be scored are:

* + Impact of the study
  + Significance, Impact, and Innovation
  + Research Plan and Approach (include feasibility to complete in 7-8 months)
  + Environment and suitability to the aims of the AHPRC
  + Investigators: track record.
  + Other considerations that will affect the overall impact score and need be addressed include how this award will lead to further funding and a plan for use of AHPRC facilities in the future for this line of research.

Link to NIH scoring: <https://grants.nih.gov/grants/policy/review/rev_prep/scoring.htm>

**Overview of Due Dates**

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| **Action** | **Due Dates** |
| Final Proposal | Fri, Aug 13, 2021, 4pm |
| Award of Funds | Fri, Oct 1, 2021 |
| End of Funding | Fri, May 27, 2022 |
| Report | Fri, July 1, 2022 |