

REQUEST FOR PROPOSAL

The Pac-12 Student-Athlete Health and Well-Being Grant Program

2022 Cycle released July 1, 2021

The Pac-12 Conference (“Pac-12”) offers grant funding to directly support the advancement of Pac-12 student-athlete health and well-being and has made it a priority to utilize funded project results to develop best practices for general improvements in these areas.

# Program Funds

The Pac-12 has made approximately $1,000,000 available for the Pac12 Student-Athlete Health and Well-Being Grant Program (the “Grant Program”) awards, for this cycle. The $1.0M will be used to fund standard grants and exploratory/bridge grants related to the Topics of Interest noted below.

Standard grant: A STANDARD GRANT is a type of grant in which the Pac-12 agrees to provide a specific level of support for a specified period of time with no statement of Pac-12 intent to provide additional future support or without expectation of submission of another proposal. There is no dollar limit, however, we encourage projects generally under $150,000/annually.

Exploratory/Bridge grant: An EXPLORATORY/BRIDGE GRANT is a type of grant similar to NIH R-21 grants which are used to fund preliminary studies, exploratory, or development-based projects that would have large growth potential with a high likelihood of NIH support. This grant would lead to submission of a larger, NIH R01 award in the future. Exploratory/bridge grants are limited to two years at $200K/yr. including indirect costs.

The Pac-12 funds institutional grants and direct institutional athletic department funding for proposed projects. Appendix A, Part 3 Budget and Justification, sets forth the requirements for direct institutional athletic department funding.

# Eligibility

Principal Investigators (“PIs”) and Co-Investigators (“Co-PIs”) must be employed by a current Pac-12 member institution or an organization that is directly affiliated with a Pac-12 member institution, and must meet their employer’s requirements for such status. Third-party entities/partners are eligible to receive Grant Program funding provided that its submission is sponsored by, and the research is coordinated with, a Pac-12 member institution(s) involving only Pac-12 athletes. Third-party entities/partners that are interested in collaborating in Pac-12 supported research projects should contact Pac-12 member institutions directly or the Pac-12 to find possible research partners. We encourage research partnerships with institutions outside the Pac-12 Conference with the understanding that Grant Program funds may only be allocated to support the Pac-12 participants.

# Topics of Interest / Collaboration

The aim of the funded projects should be to improve the health, general well-being, and safety of student-athletes at all Pac-12 member institutions. The Grant Program’s primary focus areas are listed below. Although this is not an exclusive Grant Program focus list, priority will be given to those projects targeted at the focus areas below. **Priority also will be given to projects that are the result of collaboration amongst multiple Pac-12 member institutions, are translational in nature, and will have direct and significant impact to student-athletes as a result of the project**. Projects should not duplicate other work funded by the Pac-12 Grants Program. Prior grant awardees and their projects may be found at: [Pac-12 Grant Program - Prior Awardees](https://pac-12.com/pac-12-research-grants-program).

* Head Trauma\*
* Prevention of Sudden Death
  + Cardiac
  + Temperature matters/hydration
* Overuse Injuries / Injury Prevention
* Emergency Care – Planning / Prevention of Emergent Medical Events
* Student-Athlete Well-Being
  + Diversity, Equity and Inclusion (DEI) and Student-Athlete Health
  + Mental Health\*
  + Nutrition
  + Sleep\*
* Data Driven Decisions (Use of Pac-12 Health Analytics Program (HAP) )
  + Expansion of Presagia Platform (e.g., Software Development)
  + Sports Injury Epidemiology including projects using PacTrac exposure data

# \*The Pac-12 funds the Pac-12 Concussion Coordinating Unit (Director, Dr. Matthew McQueen, [Matt.McQueen@colorado.edu](mailto:Matt.McQueen@colorado.edu)) and the Pac-12 Mental Health Coordinating Unit (Director, Dr. Daniel Taylor, [danieljtaylor@arizona.edu](mailto:danieljtaylor@arizona.edu)). In addition to reviewing previously funded projects at <https://pac-12.com/pac-12-research-grants-program>, you are welcome to contact Dr. McQueen regarding a Head Trauma proposal or Dr. Taylor about a Mental Health or Sleep proposal to determine if there might be synergies with these unit’s priority research projects.

# Proposal Submission

Each Pac-12 institution will be limited to three submissions. All submissions must come through the institution’s Grant office and be endorsed by the institution’s Pac-12 Student-Athlete Health and Well-Being Board representative. See Appendix A for instructions.

# Review Criteria

Applications will be evaluated and awards issued based on:

* **Is the proposed project of high interest with potential for direct and significant impact to the safety and wellbeing to the student-athletes from the Pac-12 Conference?**
* **Is the proposed project collaborative with the other Pac-12 institutions?**
* **Is the SAHWBI board representative, the involved athletic department staff, and the athletic department administration aware and/or supportive of the proposed project?**
* Is the project design concise and does it include a clear statement of goals and measurable objectives (including the demonstration/pilot project)?
* Are the proposed project objectives and goals well aligned with the purpose and goal of the funds? Is the funding request reasonable given the overall Grant Program budget, both on a one-time and annual basis?
* Is the management plan adequate to achieve the objectives of the proposed project on time and within budget, including clearly defined responsibilities, timelines and milestones for accomplishing project tasks?
* Does the proposal provide for logical or common sense “next steps” in addressing the targeted problem or critical barrier?
* What’s the likelihood that the project results in best practices or advances on a conference-wide level?
* Are the overall strategy, methodology, and analyses well-reasoned and appropriate to accomplish the specific aims of the project?
* Are the PIs/Co-PIs, collaborators, and other key personnel well suited to complete the research?
* Does the project address an important problem or a critical barrier to progress in the field?
* Will the project environment in which the work will be done contribute to the probability of success?
* Does the proposed project outline a reasonable plan to communicate project findings?
* For studies involving prospective recruitment, are specific methodologies in place to minimize the burden placed on the athlete as a result of participating in the study?
* Does the proposal include language pertaining to Equity, Diversity, and Inclusion, such as the consideration of sex, race, and ethnicity as it pertains to recruitment, data analysis, statistical testing, and interpretation of results?
* One of the goals of the SAHWBI of the Pac-12 is to catalyze projects that establish a foundation for an entire line of athlete-focused research that will likely lend itself to receiving competitive funding by Public and Private organizations, such as the National Institutes of Health. As such, Bridge grant applicants are asked to provide a separate, one-page Specific Aims document that describes the ‘next steps’ of this research, i.e., the project that will be pursued upon successful completion of the Pac-12 grant (see PART 7 of the Proposal Submission Instructions for further guidance).

# Letter of Intent

A letter of intent to submit a proposal is requested to be forwarded to the Pac-12 ([health@pac-12.org](mailto:health@pac-12.org)) at least two weeks before the proposal submission deadline of October 1, 2021. Using Letter of Intent Worksheet, Appendix B, please provide the project title, PI(s), brief project summary and any proposed collaborating Pac-12 institutions. Include the name of each proposed collaborating institution Board Representative and date you emailed them the Pac-12 Lead Institution Commitment Letter and, if applicable, the Collaborating Institution Commitment Letter. On a separate page provide names and contact information of at least four unbiased, expert, technical reviewers who are not collaborating on your proposal.

Upon receipt, the Letter of Intent will be forwarded to the appropriate Pac-12 Institutional Board Representative(s) who may distribute it internally, i.e., the Athletic Director. It is expected that the PI will have already contacted the respective Board Representatives, in advance of the submission of the Letter of Intent (see Appendix A: PART 5:2) and that the proposal has been developed in collaboration with athletic staff that would need to be supportive of and involved in the project. It is the PI’s responsibility to follow through and obtain signed Pac-12 Lead Institution Commitment Letters and, if applicable, the Collaborating Institution Commitment Letter(s) to include in the full proposal submission.

# Data

Access to de-identified student-athletes data created by the Pac-12 Health Analytics Program (HAP) is contingent upon the primary, clinical use of an athlete electronic health record software package, Presagia Sports (http://presagiasports.com/), for all required injury documentation derived from care provided by staff athletic trainers. If the proposal possibly involves expanding Presagia Sports use as a data collection platform, it is recommended the PI examine current Presagia data elements during the draft stage, and obtain any necessary quote(s) for proposed software development. All research proposals that include a request for de-identified data from the Pac-12 HAP will be required to establish a “Data Use Agreement” with the Pac-12 Conference through the Data Request Application Process. More information regarding the HAP may be found in Appendix G. Please send questions to the [HAP](mailto:HAP) Project Manager/Technical Advisor Kevin Robell, at [kevin@preventicx.com](mailto:kevin@preventicx.com).

# Review Process

* Preliminary Eligibility Review
* Review by Technical Expert
* Review by Panel(s) with representation from each Pac-12 institution, made up of a combination of physicians, athletic trainers, and research analysts. Representatives will review, evaluate, and rank all proposals
* The Pac-12 Grants Committee shall recommend proposals for approval to the Pac-12 Student Athlete Health and Well Being Board
* The Pac-12 Student-Athlete Health and Well Being Board shall review all of the Pac-12 Grants Committee recommendations and approve final projects for funding
* Approved proposals presented to the Pac-12 CEO group

# Award Terms and Conditions

* No project award is final until a grant agreement has been executed.
* The applicant organization is legally responsible for authorizing and submitting proposals, administering the grant and assuring compliance with the grant agreement and funding terms.
* The PI will be responsible for leading the proposed work, managing the budget, and reporting progress and results.
* Awards are subject to the Intellectual Property Rights Terms and Conditions found at the following website: <https://pac-12.com/about-pac-12-sahwbi>

# Reporting Requirements

The Grant Program is an investment by the Pac-12 in the future of its student-athletes. Full and timely reporting of the progress and results of funded activities by PIs is essential for calculating the returns on the Pac-12’s investment.

Awardees are expected to present progress updates at the corresponding Pac-12 Student Athlete Health Conference during each project year. Forty-five (45) days prior to the Conference, awardees are required to submit an annual report (two page limit) to the Pac-12 Grant Program Executive Director, which will be reviewed by the Grants Committee to assess progress for the incremental release of future funding.

* This report (two page limit) shall describe: major activities; specific objectives; significant results, including major findings, developments, or conclusions (both positive and negative); and key outcomes, publications and conference presentations or other achievements. Include a discussion of stated goals not met. Also, describe briefly what you plan to do during the next reporting period to accomplish your goals and objectives, including any important modifications to your original plans.

At the end of the project, awardees will provide a written final report that includes how the project provides immediate or eminent translational impact to student-athletes, anyadditional advances achieved and/or in progress, additional research opportunities identified, where you expect to publish your results, and a financial report.

# Publicity

The Pac-12 reserves the right to publicly disseminate information about its granting activities. Pac-12 communications to the public may include lists of proposals received, the names of PIs and applicant organizations, titles of proposed activities, descriptions of funded proposals, and reports about progress and outcomes. Recipient organizations and PIs will be expected to provide the Pac-12 with reasonable assistance in communicating funded work and its related impacts to the public.

# Confidentiality

The protection of intellectual property is paramount to both researchers and their partners. Proposals may contain intellectual property or other information of proprietary or economic value. Consistent with the practice of federal and private granting programs, the Pac-12 affords its grant applicants a high level of confidentiality during the submission, evaluation, and selection process.

Proprietary information will be kept confidential. The Review Panelists will sign confidentiality agreements protecting both the content of applications and the review process. When award selections are announced and Pac-12 funds are committed, the grantees may be identified, descriptions of their applications may be published, and periodic summaries of their research progress may be released. Proprietary information from unfunded applications will not be made public.

# Conflict of Interest Policy

The Review Panel will be comprised of medical, athletic training and research experts in evaluating grant applications. Integral to the success of these reviews is the requirement that they be conducted without bias. Review Panelists will be recused from a proposal evaluation if such individual may have personal, professional, or financial interests that are likely to conflict with their ability to perform an unbiased review.

# Changes to the Grant Program

The Pac-12 reserves the right to change, alter, amend, or cancel the Grant Program at any time in its sole discretion, provided that previously granted proposals receive full funding. Additionally, the Pac-12 reserves the right to fund any number (or none) of the applications submitted on a one-time or recurring basis.



# **Appendix A**

# Proposal Submission Instructions

The instructions for the Pac-12 Student-Athlete Health and Well-Being Grant Program are intended to assist you in preparing your application. It is the sole responsibility of the PI to comply with these instructions and to ensure that the application is accurate, complete and submitted on time. Proposals that are not complete or have not followed the provided instructions will be returned without further consideration. In general, be succinct and precise.

All proposals must be submitted through the applicant institution’s grants office, via email to health@pac-12.org. Each proposal must be submitted as one PDF file. Each section of the proposal must be individually paginated. If an institution is submitting more than one proposal, send a separate email for each proposal.

**Important Dates and Milestones**

* 1. Letter of Intent due by 5:00 PM PST on September 17, 2021 (send all letters of intent to health@pac-12.org; each letter of intent should be sent in one PDF file.)
  2. Proposals due by 5:00 PM PST on October 1, 2021 (send all proposals to health@pac-12.org; each proposal should be sent in one PDF file.)
  3. December 2021 - Reviewers ranking and recommendations to the Grants Committee.
  4. December 2021/January 2022 - The Grants Committee will meet to evaluate top proposals and make award recommendations.
  5. January/February 2022 - The Board will meet to approve the recommendations of the Grant Committee.
  6. February 2022 - Approved proposals presented to Pac-12 CEO Group.
  7. April/May 2022 - Awarded proposals presented to SAHC.
  8. July 1, 2022 - Awarded proposals receive funding.
  9. March 2022- Awardees submit annual report to assess progress for the incremental release of future funding.
  10. April/May 2023 - Funded projects present poster updates or final report presentations to Pac-12 Student-Athlete Health Conference (SAHC.)

**Application Format**

Only use 11 or 12-point font size and 1” margins. Use Arial, Georgia, Helvetica or Palatino Linotype typeface. It is strongly encouraged to use *plain language understandable to a lay audience outside of your field.*

## PART 1: Pac-12 Student-Athlete Health and Well-Being Grant Application Cover Sheet (See Appendix C)

## PART 2: Project Plan

Include all of the following sections:

1. Project Title (Begin your Project Title with the appropriate Topic of Interest, see example)

a. “Head Trauma: Pac-12 Student Athlete Project on Head Trauma”

1. Project Summary/Non-Technical Abstract (no more than 300 words)
   1. Clearly communicate the translational value and short term impact the project will have on student-athletes.
2. Response to Reviewers (**for resubmissions only**-limit to one page)
   1. List important comments from previous review and answer how each has been addressed in the revised proposal.
3. Project Description (six or less single-spaced pages)
   1. Hypothesis and Specific Aims
   2. Background and Significance
   3. Findings from Preliminary Data/Literature
   4. Research Design and Methods, including sample size
   5. Desired Impact and Potential to Meet Elements of Review Criteria
   6. References (not included in the six page limit)
4. Management Plan (two or less single-spaced pages)
   1. The management plan includes the details demonstrating the ability for the project team to achieve the objectives of the proposed project on time and within budget, including clearly defined roles and responsibilities, timelines and milestones for accomplishing project tasks.
5. Subject Recruitment Plan (two or less single-spaced pages)
   1. Using the NCAA guidelines below, provide details of your subject recruitment plan.

16.11.1.6 **Research Studies Involving Only Student-Athletes. [A]**

16.11.1.6.1 **NCAA Research Studies. [A]** A student-athlete may receive compensation from the Association for participating in specified NCAA research studies. Such compensation shall be consistent with the going rate for compensation offered in studies involving non-athlete populations.  **[R]** *(Adopted: 10/28/99 effective 8/1/00, Revised:  4/30/09, 8/7/14)*

16.11.1.6.2 **Institution-Based Research Studies.** **[A]** A student-athlete may receive compensation from an institution for participating in a research study involving only student-athletes, provided:  **[R]** *(Adopted: 4/30/09, Revised: 8/7/14)*

(a) The study is initiated and conducted by a faculty member at a member institution; and

(b) The study and compensation arrangements are approved by the institutional review board of the faculty member's institution consistent with policies applicable to other institution-based research studies.

## PART 3: Budget and Justification

Provide budget details using the Pac-12 standard budget form (See Appendix D). Also include a detailed budget justification. For physician’s salary, use the institutional base/standard salary rate (excluding productivity bonuses). PIs should include a budget item for up to two PIs to travel to the Annual Pac-12 –Student-Athlete Health Conference (SAHC) for each year the project is funded. If alternate funding is available and would be utilized to attend the SAHC note this in the justification. Facilities and Administrative costs (indirect/overhead) are allowable up to 20% MTDC (modified total direct costs), as defined in your institutional F&A rate agreement with the federal government. In your budget justification list all cost items that are excluded from F & A.

**NOTE:** If any institutions athletic department is utilized for this project and athletic department personnel are engaging in project activities directly with student athletes, the Pac-12 funds these activities through their normal direct-funding process. Therefore, a separate budget, or budgets, is/are required to differentiate these activities. These funds do not provide for F&A.

**Allowable Costs**:

* Salary, wages, and fringe benefits
* Materials and supplies
* Equipment
* Consultant costs
* Publications costs
* Contract services
* Consortium/Subaward costs
* Facilities and Administrative costs (indirect costs) up to 20% MTDC (modified total direct costs)
* Travel expenses

PART 4: Biographical Sketches of Key Personnel (2 pages each)

Using the NIH Biographical Sketch format, please include brief biographical sketches of all key personnel (See Appendix E). Include specific recent publications in the last five years, relevant to proposed research. Also list recent or current funding related to proposed research. Related funds will have additional consideration.

PART 5: Letter of Institutional Commitment/Collaboration (See Appendix F)

1. Lead Institution Commitment Letter

The Pac-12 Institutional Board Representative and the Athletic Director must validate institutional commitment that, if funded, your institution, including all appropriate staff (Athletic Director(s) and/or Sports Training/Sports Medical Staff, Coaches, etc.) are committing to participate in the program and perform research to whatever level of support is identified in your proposal.

1. Pac-12 Collaborating Institution Commitment Letter(s)

Pac-12 Institutional Board Representative(s) and the Athletic Director from collaborating institutions must also validate institutional commitment that, if funded, their institutions, including all appropriate staff identified in the proposal are committing to participate in the program and perform research to whatever level of support is identified in your proposal. **Proposers are advised to contact the respective Board Representatives at least 4 weeks in advance of the proposal submission due date to allow Board Representatives reasonable time to appropriately review their institution’s proposed involvement and obtain institutional commitment and signatures.** Board Representatives and their contact information can be found at [SAHWBI Board](https://pac-12.com/pac-12-sahwbi-leadership-task-forces) and below:

|  |  |  |
| --- | --- | --- |
| **Institution** | **Board Representative** | **Email** |
| University of Arizona | Dr. Stephen Paul | [spaul@arizona.edu](mailto:spaul@arizona.edu) |
| Arizona State University | Kenny McCarty | [kenneth.mccarty@asu.edu](mailto:kenneth.mccarty@asu.edu) |
| University of California, Berkeley | Dr. Lindsay Huston | [lhuston@berkeley.edu](mailto:lhuston@berkeley.edu) |
| University of Colorado, Boulder | Miguel Rueda | [miguel.rueda@colorado.edu](mailto:miguel.rueda@colorado.edu) |
| University of Oregon | Kim Terrell | kterrell@uoregon.edu |
| Oregon State University | Dr. Doug Aukerman | [doug.aukerman@oregonstate.edu](mailto:doug.aukerman@oregonstate.edu) |
| Stanford University | Anthony Pass | apass@stanford.edu |
| University of California, Los Angeles | Dr. David McAllister | [dmcallister@mednet.ucla.edu](mailto:DMcAllister@mednet.ucla.edu) |
| University of Southern California | Dr. Seth Gamradt | [gamradt@usc.edu](mailto:gamradt@usc.edu) |
| University of Utah | Trevor Jameson | tjameson@huntsman.utah.edu |
| University of Washington | Mike Dillon | mldillon@uw.edu |
| Washington State University | Dr. Sunday Henry | [sunday.henry@wsu.edu](mailto:sunday.henry@wsu.edu) |

1. External Partners Letters of Collaboration

If applicable, include letters of collaboration from external partners, including any institutional commitment and signatures where appropriate

## PART 6: Project Certification Form

Complete and include a Project Certification Form, (See Appendix H)

## PART 7: Exploratory/Bridge Grant Applicants only

As an Appendix, submit a Specific Aims page that describes the next steps for this line of research. Investigators are encouraged to follow NIH-style formatting for this document (one page, single spaced, half inch margins, 11-point font). The future project should be forward thinking and broader in scope than the Pac-12 project. Investigators should construct the Aims based on the assumption of a four- or five-year project with a budget of $250,000 – $500,000 in annual direct costs (consistent with the stipulations of an NIH R01). (See Appendix I)

**Application Packet Checklist**

\_\_\_\_ Pac-12 Student-Athlete Health and Well-Being Grant Application Cover Sheet

\_\_\_\_ Names and contact information of at least four, unbiased, expert technical reviewers

\_\_\_\_ Project Plan

\_\_\_\_ Budget and Justification

\_\_\_\_ Biographical Sketches of Key Personnel

\_\_\_\_ Lead Institutional Commitment Letter with Board Representative and Athletic Director signatures

\_\_\_\_ Collaborating Institution(s) Commitment Letter (s) with Board Representative(s) and Athletic Director(s)

signatures, if applicable

\_\_\_\_ External Partners Letters of Collaboration, if applicable

\_\_\_\_ Project Certification Form

\_\_\_\_ Exploratory/Bridge Grant Applicants: Specific Aims



**Appendix B**

Letter of Intent Worksheet

|  |
| --- |
| Lead Institution Name |
| Project Title (Begin title with appropriate Topic of Interest. Example – “***Head Trauma****: Pac-12 Student Athlete Project on Head Trauma*”) |
| Lead PI Name |
| This proposal will be a (check one):  ☐ Standard Grant Proposal ☐ Exploratory/Bridge Grant Proposal |
| Brief Project Summary |

1. Topic of Interest, please check one:

* Head Trauma
* Prevention of Sudden Death
* Overuse Injuries / Injury Prevention
* Emergency Care
* Student-Athlete Well Being
* Date Driven Decisions
* Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Pac-12 Collaborating Institutions

Per the RFP - PART 5: Letter of Institutional Commitment/Collaboration:

*Pac-12 Institutional Board Representative(s) and the Athletic Director from collaborating institutions must also validate institutional commitment that, if funded, their institutions, including all appropriate staff identified in the proposal are committing to participate in the program and perform research to whatever level of support is identified in your proposal.* ***Proposers are advised to contact the respective Board Representatives at least 4 weeks in advance of the proposal submission due date to allow Board Representatives reasonable time to appropriately review their institution’s proposed involvement and obtain institutional commitment and signatures.*** *Board Representatives and their contact information can be found at* [SAHWBI Board](https://pac-12.com/pac-12-sahwbi-leadership-task-forces)*.*

Provide Collaborating Institution’s name(s), Board Representative(s) you have provided with the Pac-12 Collaborating Institution Commitment Letter and the date you sent your request and Commitment Letter to the Board Representative.

|  |  |  |
| --- | --- | --- |
| **Institution** | **Board Representative** | **Date of Request to Collaborate** |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

1. Will the Health Analytics Program (HAP) be utilized for this project? Yes \_\_\_ No \_\_\_

If yes, have you reviewed your proposal idea with the HAP Project Manager/Technical Advisor [Kevin](mailto:Kevin) Robell, at kevin@preventicx.com?

Yes \_\_\_ No \_\_\_

If yes, will additional software development costs be included in the budget?

Yes \_\_\_ No \_\_\_

Provide names and contact information of at least four possible unbiased Expert Technical Reviewers that are not collaborating on your proposal.

* 1. Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Position \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Institution\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Position \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Institution\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Position \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Institution\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* 1. Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Position \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Institution\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



**Appendix C**

Application Coversheet

|  |  |  |  |
| --- | --- | --- | --- |
| Lead Institution Name | | | |
| Project Title (Begin title with appropriate Topic of Interest. Example – “***Head Trauma****: Pac-12 Student Athlete Project on Head Trauma*”) | | | |
| Lead PI Name | | | |
| This is a (check one):  ☐ Standard Grant Proposal ☐ Exploratory/Bridge Grant Proposal | | | |
| Total Amount of Funding Requested | Of the amount of Total Funding Requested, what amount will go to Athletic Department(s) funding? | | Proposal Duration (in months) |
| Requested Starting Date | Proposed Ending Date | Check if a Resubmission  \_\_\_\_\_\_\_\_\_\_\_ | |
| Lead PI direct phone number | | Lead PI Email Address | |
| Collaborating Institutions/Partners | | | |

1. Topic of Interest, please check one:

* Head Trauma
* Prevention of Sudden Death
* Overuse Injuries / Injury Prevention
* Emergency Care
* Student-Athlete Well Being
* Date Driven Decisions
* Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Will HAP be utilized for this project? Yes \_\_\_ No \_\_\_

If yes, are additional software development costs included in the budget? Yes \_\_\_ No \_\_\_

1. Have you included funds for up to two PIs to attend the annual Student Athlete Health Conference **each** project year? Yes \_\_\_ No \_\_\_
2. Authorized Organizational Representative Endorsement from Institutional Sponsored Programs or Grants Office

|  |  |  |  |
| --- | --- | --- | --- |
| Authorized Organizational Representative Name | Signature | | Date |
| Phone Number | | Email Address | |

Provide names and contact information of at least four possible unbiased Expert Technical Reviewers that are not collaborating on your proposal.

1. Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Position \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Institution\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Position \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Institution\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Position \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Institution\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Position \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Institution\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Phone number \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_



**Appendix D**

Standard Budget Form

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Year 1** | **Year 2** | **Year 3** | **Total** |
| Salaries |  |  |  | - |
| Wages |  |  |  | - |
| Benefits |  |  |  | - |
| Materials/Supplies |  |  |  | - |
| Travel |  |  |  | - |
| Equipment |  |  |  | - |
| Subcontracts |  |  |  | - |
| Other Direct Costs |  |  |  | - |
| **Total Direct Costs** | - | - | - | - |
| F&A (20% MTDC) |  |  |  | - |
| **Total Costs** | - | - | - | - |

NOTE: See Appendix A, Part 3 Budget and Justification, if funding includes personnel from the institutions athletic department. A second budget(s) is/are required. In your justification please list cost items excluded from F & A.



**Appendix E**

Biographical Sketch Template

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| BIOGRAPHICAL SKETCH Provide the following information for all /key personnel and other significant contributors  Follow this format for each person.  **DO NOT EXCEED TWO PAGES.** | | | | |
|  | | | | |
| NAME | | POSITION TITLE | | |
| ADDRESS | |
| EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)* | | | | |
| INSTITUTION AND LOCATION | DEGREE  *(if applicable)* | | MM/YY | FIELD OF STUDY |
|  |  | |  |  |
|  |  | |  |  |
|  |  | |  |  |
|  |  | |  |  |
|  |  | |  |  |

**NOTE: The Biographical Sketch may not exceed two pages. Follow the formats and instructions below.**

A. Personal Statement

Briefly describe why your experience and qualifications make you particularly well-suited for your role (e.g., PD/PI, mentor, participating faculty) in the project that is the subject of the application. Within this section you may, if you choose, briefly describe factors such as family care responsibilities, illness, disability, and active duty military service that may have affected your scientific advancement or productivity.

B. Positions and Honors

List in chronological order previous positions, concluding with the present position. List any honors.

C. Selected Peer-reviewed Publications

Limit publications to recent publications, in the last five years, relevant to proposed research. Do not include manuscripts submitted or in preparation.

D. Research Support

List both selected ongoing and completed research projects for the past three years (Federal or non-Federally-supported). Begin with the projects that are most relevant to the research proposed in the application. Briefly indicate the overall goals of the projects and responsibilities of the key person identified on the Biographical Sketch.



**Appendix F**

Lead Institution Commitment Letter

Institutional Letterhead

Re: Pac-12 Student-Athlete Health and Well-Being Grant Program Endorsement

To the Pac-12 Grant Program:

If the proposal submitted by [insert full name of Principal Investigator(s)] entitled [insert proposal title] is selected for funding by the Pac-12 conference, it is the institution’s intent to collaborate and/or commit resources as detailed in the Project Description.

I have communicated with and garnered support from all appropriate staff identified in the proposed project (Athletic Director(s) and/or Sports Training/Sports Medical Staff, Coaches, etc.). They have committed to participate in the program and perform research to whatever level of support is identified in this proposal.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Board Representative [Print Name] Board Representative [Sign Name]

\_\_\_\_\_\_\_\_\_\_\_\_\_

Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Athletic Director [Print Name] Athletic Director [Sign Name]

\_\_\_\_\_\_\_\_\_\_\_\_\_

Date



**Appendix F**

Collaborating Institution Commitment Letter(s)

Institutional Letterhead

Re: Pac-12 Student-Athlete Health and Well-Being Grant Program Endorsement

To the Pac-12 Grant Program:

If the proposal submitted by [insert full name of Principal Investigator(s)] entitled [insert proposal title] is selected for funding by the Pac-12 conference, it is the institution’s intent to collaborate and/or commit resources as detailed in the Project Description.

I have communicated with and garnered support from all appropriate staff identified in the proposed project (Athletic Director(s) and/or Sports Training/Sports Medical Staff, Coaches, etc.). They have committed to participate in the program and perform research to whatever level of support is identified in this proposal.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Board Representative [Print Name] Board Representative [Sign Name]

\_\_\_\_\_\_\_\_\_\_\_\_\_

Date

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Athletic Director [Print Name] Athletic Director [Sign Name]

\_\_\_\_\_\_\_\_\_\_\_\_\_

Date



**Appendix F**

External Partners Letter(s) of Collaboration

External Partner Letterhead

Re: Pac-12 Student-Athlete Health and Well-Being Grant Program Endorsement

To the Pac-12 Grant Program:

If the proposal submitted by [insert full name of Principal Investigator(s)] entitled [insert proposal title] is selected for funding by the Pac-12 conference, it is our intent to collaborate and/or commit resources as detailed in the Project Description.

Signed by person with fiscal authority for partner

Signature and signature block



**Appendix G**

Pac-12 Health Analytics Program (HAP)

De-identified data generated by the “Pac-12 Health Analytics Program (HAP)” is generally defined by the established integration of the HAP Common Data Elements into an athlete electronic health record software package, Presagia Sports (http://presagiasports.com/).This includes the documentation of descriptive information (demographic and injury characteristics) regarding all relevant supportive health care services (physician encounters, medical imaging, surgery, Rx medication) that may be rendered within the established health care network at a particular institution. Beginning with the 2020-2021 academic year, HAP also includes “exposure” data via PacTrac. Risk exposure documentation provided by member schools varies in focus; based on individual sport risk and existing health care coverage models across the Pac-12 Conference.

More information regarding the HAP project, as well as obtaining a detailed version of the HAP Common Data Elements, may be accomplished through correspondence with

HAP Project Manager/Technical Advisor [Kevin](mailto:Kevin) Robell, at kevin@preventicx.com.

.



**Appendix H**

Project Certification Form

1. Are Human Subjects Involved? ☐ Yes ☐ No

1a. If Yes to Human Subjects:

Is the project exempt from Federal regulations? ☐ Yes ☐ No

Check appropriate exemption number: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6

If No, is the IRB review pending? ☐ Yes ☐ No

IRB Approval Date:

Human Subject Assurance Number:

1. Are Vertebrate Animals Used? ☐ Yes ☐ No

2a. If Yes to Vertebrate Animals:

Is the IACUC review pending? ☐ Yes ☐ No

IACUC Approval Date:

Animal Welfare Assurance Number:

1. Human Embryonic Stem Cells

3a. Does the proposed project involve human embryonic stem cells? ☐ Yes ☐ No

If the proposed project involves human embryonic stem cells, list below the registration number of the specific cell line(s) from the following list: http://stemcells.nih.gov/research/registry/.

Registration Number(s):\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Note: It is expected that activities that may require Institutional Review Board, Institutional Animal Care and Use Committee, Institutional Biosafety Committee, Radiation Safety protocols, or a Conflict of Interest review, are managed under University policy. Awards will not be finalized until IRB and/or IACUC approval is secured. In the event that IRB requires substantive revisions to the proposal, the Grant Committee will need to review and approve or disapprove.

**Appendix I**

Exploratory/Bridge Grant Applicants: Specific Aims

Describe the next steps for this line of research. Investigators are encouraged to follow NIH-style formatting for this document (one page, single spaced, half inch margins, 11-point font). The future project should be forward thinking and broader in scope than the Pac-12 project. Investigators should construct the Aims based on the assumption of a four- or five-year project with a budget of $250,000 – $500,000 in annual direct costs (consistent with the stipulations of an NIH R01). 