



**HUMAN BIOLOGY
ASSOCIATION**

**46th Annual Meeting (Virtual, 2021)
First & Final Call for Abstracts/Proposals
and Submission Instructions**

Please direct questions to the Program Chair, Gillian Ice (iceg@ohio.edu)

Call for Abstracts:

Both members and non-members are invited to submit an abstract of a proposed presentation to be delivered **virtually** at the 46th Annual Meeting of the Human Biology Association, scheduled for March 29-April 2, 2021 (full instructions follow).

Submission Deadlines:

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| 1) Proposals for the Joint AAPA/HBA Symposium | August 15, 2020 |
| 2) Contributed Abstracts | October 15, 2020 |
| 3) E. E. Hunt, Jr. Award (indicated at abstract submission) | October 15, 2020 |
| 4) Hilde Spielvogel Award (indicated at abstract submission) | October 15, 2020 |
| 5) Proposals for Break-out Sessions | October 15, 2020 |

Abstracts must be submitted online at <https://www.humbio.org>. Please follow the required format and file type. Detailed instructions on abstract preparation are provided below.

Accommodations:

As this year the meetings will be held virtually, there are no special accommodations at a local conference site.

Joint AAPA/HBA Symposium:

In cooperation with the AAPA (American Association of Physical Anthropologists), the HBA will co-sponsor one symposium session during the AAPA Annual Meeting. HBA members are encouraged to contact the **HBA Program Committee Chair Gillian Ice** (iceg@ohio.edu) to discuss the development of a joint session proposal. The Proposal for the joint session follows the submission procedures outlined in the AAPA Call for papers (<http://www.physanth.org>). Proposals are **due August 17, 2020 and are to be submitted ONLINE through the AAPA web site**. Joint session proposals are first reviewed by the AAPA and only those accepted for inclusion in the AAPA program are eligible for co-sponsorship by the HBA. Acceptance of a proposal for co-sponsorship does not guarantee acceptance of individual abstracts. Individual abstracts for an accepted jointly sponsored symposium session must be submitted following the AAPA's procedures and deadline (October 15, 2020). **The deadline for the Joint AAPA/HBA session**

has passed, but if a proposal has been made to the AAPA, it will be considered by the HBA for inclusion in the program.

The AAPA/HBA Joint Symposium should appeal to a broad range of scholars within Human Biology and Physical Anthropology and highlight the outstanding research being done at the convergence of our two organizations. Recent topics have included: *Biocultural perspectives on family health within and across generations*, *Multi-generational perspectives on human biology and anthropological genetics: a symposium in honor of Michael H. Crawford*, *The high price of success: Costs of reproductive effort in male primates and humans*, and *Not by Bread Alone: Non-caloric Determinants of Life History Strategies*; *Integrating biosocial perspectives to understand health disparities across the lifespan*.

Break-Out Sessions:

Two Break-out Session(s) will be scheduled during the meetings. The topics of the sessions are up to the interests of the organizers and methodological, professional development, and content-based proposals are all welcomed. The topic, organizers' names, and meeting room will be included in the HBA Program. Proposals for Break-out Sessions should be emailed by **October 15, 2020** to the **HBA Program Committee Chair Gillian Ice** (iceg@ohio.edu).

Please include the following information in the proposal:

1. Organizer(s) name(s) and email address(es).
2. Topic Title
3. A brief description of the specific suitability of this topic for a break-out session (e.g., rapid developments in technology that can enhance human biology research), and the planned activities during the session (e.g., brief presentation by organizer followed by open discussion).
4. Expected attendance (so we can arrange for an appropriate room size).

We will also re-review break-out sessions that were proposed for last year's meeting. Please contact Program Chair Gillian Ice if you would not like your break-out session re-reviewed.

HBA Abstract & Pre-Registration Instructions

Reminder: Members in good standing and non-members from low and middle income countries are eligible for lower registration fees than non-members from high income countries. Only members are eligible for awards and grants. Note that memberships are for calendar years!

Information regarding abstract format and submission procedures, the E.E. Hunt and Phyllis Eveleth Student Prizes for graduate students, the Hilde Spielvogel Award for Outstanding Presentation by an Undergraduate Student, the International Members' Travel Grants, and Student Travel Awards are included below. Please contact the **HBA Program Committee Chair Gillian Ice** (iceg@ohio.edu) for assistance with abstract or proposal preparation or on-line abstract submission difficulties. Please contact the Treasurer, Jason DeCaro (hbatreas@humbio.org) for assistance with pre-registration.

Pre-Registration

1. Complete the on-line pre-registration process at <https://www.humbio.org>. Print and retain the confirmation page that appears at the completion of pre-registration.
2. At the bottom of the online pre-registration form, you will be directed to the PayPal payment site.

3. Pre-registration will be available until Monday, March 28, 2021.
4. If you also plan to submit an abstract, please note abstracts will not be accepted for review without paid pre-registration by the first author.

Abstract Submission: All abstracts must be submitted online, as part of the pre-registration process, by October 15, 2020.

The submission portal will soon be available via <https://www.humbio.org>.

Format requirements for HBA abstracts. Use the following CHECKLIST.

1. Times New Roman 12-point font.
2. 250 words maximum (word count does not include title, authors' names, affiliations, & funding).
3. Capitalize only the first word and proper names in the title.
4. Bold the entire title.
5. An individual may be a first author on only 1 abstract.
6. Authors' names: Include author initials (no periods, no spaces between initials) followed by full last name of all authors. Do **not** use all-caps, bold or italics.
7. Include each author's departmental and institutional affiliation, city and state; do NOT give zip code or a full mailing address.
8. In case of multiple authors from different departments or institutions, use a superscript numeral following each author name(s) and again preceding their institution to indicate each author's affiliation.
9. No tables or figures.
10. The **UPLOADED ABSTRACT FILE NAME** must be in the format: **AUTHORLASTNAME.doc** or **AUTHORLASTNAME.docx** or **AUTHORLASTNAME.txt**. Please do **NOT** submit pdf files.
11. Print and retain the confirmation page that appears at the completion of submission.

Example: Filename HOKE.docx

Malnutrition, diarrhea, infection, poverty, and infant growth: A test of syndemic hypothesis in Nuñoa, Peru

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Syndemic theory has been employed in medical anthropology and global health to address the social, political, and ecological factors that produce the clustering of two or more diseases or conditions. Despite growing popularity, scholars have identified significant limitations in current syndemic analyses, specifically issues emerging from the use of a sum score approach. Sum scores fail to document biological interaction and therefore have limited the testability of syndemic hypotheses. Human biologists are uniquely situated to move syndemic analyses forward: our knowledge of the local realities of our field sites combined with our understanding of disease interactions and statistical methods provide us with the unique toolkit to test syndemic relationships. We draw on data from 93

mother infant/dyads enrolled in a semi-longitudinal study of infant health conducted in Nuñoa, Peru to test the syndemic hypothesis that ecological, geographic, and economic conditions in Nunoa result in nutritional & pathogenic risks to child growth concentrated/cooccurring in marginalized segments of population where disease and malnutrition interact biologically to compromise growth (HAZ, WAZ, WHZ). We employ a both survey and biomarker-based data in a series of regression models to examine relationships between economic inequality, pathogenic and nutritional environments, infectious disease, malnutrition, and growth. While our analyses do not reveal a syndemic relationship between malnutrition, infection, and impaired growth we demonstrate the falsifiability of a syndemic hypothesis, indicating the utility of the syndemic framework for generating testable hypotheses.

Contributed Presentations: The 2021 program will be scheduled over an entire week to minimize the time online in any one day. We will have a mix of posters and virtual podium presentations. We are piloting new podium themes this year: 1) Human biology and structural inequalities and 2) Environment and human biology. These themes are an open call, so we encourage abstracts on these topics from members. Although this year is virtual, an author is expected to be present at the poster for ~1.5 hours to explain the work and answer questions on the virtual poster platform. Podium presentations are typically 10-12 minutes plus 2-4 minutes for questions.

This year we are also piloting a new program element which we hope to extend in future years, called "Place-Based Human Biology." During the meeting this year, the session will be focused on Mexico and organized by Alejandra Nuñez-de-la-Mora. This session will include invited presentations by Mexican faculty and students. If interested in organizing such a session in the future, please contact Gillian Ice at iceg@ohio.edu

Review Procedures: Each abstract submitted for the contributed presentations will be reviewed independently by at least 2 members of the 2021 HBA Program Committee regarding whether to accept/decline and whether to assign the abstract to a poster or podium session. Abstract acceptance is **not** based on membership status, prior participation, preferences for presentation mode, area of emphasis, or request for consideration for the special session. If accepted, an abstract will be published in the American Journal of Human Biology. The review decision should be sent to the first author via email by **January 4, 2021**.

Some reasons for declining an abstract:

- a. It does not adhere to the required format, especially word count.
- b. It describes a study with little or no relationship to human biology; strictly biomedical studies, paleopathological case studies, or industry sponsored research may fall into this category.
- c. There is no evidence that results of the study are in hand at the time of abstract submission. An abstract must go beyond a statement of planned work and include evidence of analysis, results, and conclusions.
- d. It and another abstract describe essentially the same work (BOTH abstracts will be rejected) or it has been simultaneously submitted/previously presented at other professional meetings. **Due to the cancellation of last year's meeting due to the pandemic, we will entertain work that was submitted to that meeting. However, we encourage a new title and editing to the abstract, to reflect work that has been done since the meeting.**

- e. The 1ST author appears as a 1ST author on another abstract (BOTH abstracts will be rejected).

Some reasons to assign to Poster Session when Podium is requested:

- a. There are more requests than can be accommodated
- b. The presenting author has given a podium presentation within the previous 3 years when others have less recently or never had a podium opportunity
- c. The subject is unique and does not fit well within session themes.

Presentation Guidelines: Whether flash-talk, poster, or podium, all presentations benefit by having a clear, focused message to communicate to the audience. Presenters should address the following:

1. *What is the question?* Succinctly but adequately define the hypothesis or problem.
2. *Why does it matter?* Explain the significance of answering this question.
3. *How was the work done?* Briefly describe the methods and analytical procedures.
4. *What did you learn?* Clearly explain the results of your inquiry.
5. *Now what?* Relate these findings to a larger context as well as to the original question.

Projection Equipment: We will follow up with specific instructions after consulting with our virtual conference partners.

Poster Dimensions & Type Size: We are still arranging the virtual poster portal. Specific instructions to follow. General poster guidelines: Use consistent fonts and letter sizes throughout. Use short, informative ("headline" style) captions to convey the key point of each figure. Avoid abbreviations, acronyms, or jargon. Figures and tables should occupy ~half of the poster. As most people read technical text at a rate of ≤ 250 words per minute, limit the text to 1500–2000 words (<10 minutes reading time). "Go Green" and skip lamination. Bring push pins to hang your poster.

How to Apply for International Travel Grants, Student Travel Grants, and Student Presentation Awards

HBA International Members' Travel Grant:

This year, the HBA International Members' Travel Grant is on hiatus.

HBA Student Members' Travel Award:

This year, the Student Members' Travel Award is on hiatus.

Edward E. Hunt, Jr. and Phyllis Eveleth Student Awards:

Two awards of \$500 each are given to graduate student members each year. Papers/posters submitted for this award should be based on novel analysis and interpretation of primary or secondary data. The graduate student should be the sole or first author on the submission, and if the poster/paper is multi-authored, the student should be responsible for at least 80% of the data analysis and writing. Students will be contacted by a member of the Publications Committee to verify that their poster/paper meets these requirements prior to the meeting. At the annual meeting, the paper/poster presentations will be judged by members of the Publications Committee.

Self-nomination for the Hunt Award is made at the time of on-line Pre-registration and Abstract Submission (**deadline is October 15**). Self-nomination requires clicking the appropriate box on the on-line form for abstract submission/pre-registration. The candidate must be a Student Member of the HBA in good standing when submitting the abstract and when presenting the work. Pre-registration fees for student members are less than for non-members. If you are not currently a student member of HBA please go to: <https://www.humbio.org/membership/> to join. Note that student members will need their advisor's signature on the application form certifying their student status when they first join the HBA.

For questions about the Hunt Award please contact Chris Kuzawa, Chair of the Publications Committee, at kuzawa@northwestern.edu.

The Hilde Spielvogel Award for Outstanding Presentation by an Undergraduate Student:

The Hilde Spielvogel Award comprises an award of \$250 and a Certificate given to an undergraduate student member. The undergraduate student should be the sole or first author of a presentation that is based on novel analysis and interpretation of primary data (collected by the student and/or a co-author) and/or secondary data (published or unpublished data collected by someone other than the author[s]). In addition to delivering the presentation at the Annual Meeting, the candidate is expected to have made a major contribution to the work (e.g, at least 50% of the data collection and/or analysis and/or writing). Candidates' presentations at the Annual Meetings will be judged by a subcommittee of the HBA Executive Committee (co-authors or advisors of nominated candidates will be recused).

Self-nomination for The Hilde Spielvogel Award is made at the time of on-line Abstract Submission and Pre-registration (**deadline is October 15**). Self-nomination requires clicking the appropriate box on the

on-line form for abstract submission/pre-registration. The candidate must be a Student Member of the HBA in good standing when submitting the abstract and when presenting the work. Pre-registration fees for student members are less than for non-members. If you are not currently a student member of HBA please go to: <https://www.humbio.org/membership/> to join. Note that student members will need their advisor's signature on the application form certifying their student status when they first join the HBA.

In addition, shortly before each Annual Meeting, each nominated candidate will be asked to submit a description of her/his contribution to the planned presentation.

For questions about The Hilde Spielvogel Award, please contact the Membership Representative to the Executive Committee, Claudia Vallenggia at claudia.vallenggia@yale.edu.