

HEART RHYTHM 2022

YOUNG INVESTIGATOR AWARD (YIA) COMPETITION GUIDELINES

The Young Investigator Awards (YIA) competition, now in its 43rd year, recognizes and encourages the work of young investigators and their parent institutions. All submissions to the YIA Competition will be reviewed by the YIA Sub-Committee (Heart Rhythm 2022 Program Committee and comprised of senior researchers, clinicians and scientists), who will select six finalists to present their work during Heart Rhythm 2022.

IMPORTANT DEADLINES

Friday, December 10, 2021, 11:59 PM Eastern Time: All interested YIA Competition applicants must submit their abstracts and indicate their interest before the Heart Rhythm 2022 Abstract Submission Site closes.

Tuesday, December 14, 2021: All YIA Competition applicants will be sent a link where they can upload the required materials.

Monday, January 10, 2022, 11:59 PM Eastern Time: Deadline for YIA applicants to submit their materials.

ABSTRACT SUBMISSION

All authors wishing to participate in the YIA competition must submit an abstract through the 2022 Abstract Submission site, indicate their interest on the “Awards” section of the site, and submit all required documentation via the award application. Abstracts submitted after 11:59 PM Eastern Time December 10, 2021, will not be accepted. For guidelines about submitting an abstract for presentation at Heart Rhythm 2022, please visit our website: [HeartRhythm.com](https://www.heartrhythm.com)

Please note that any abstract accepted into the YIA Competition will not be presented during any other abstract session at Heart Rhythm 2022.

ELIGIBILITY

The YIA Competition is open to any physician or scientist who is presently in a residency, fellowship, or doctoral training program, or who has been in such a program within the past three years (at time of submission). The competition is also open to students in graduate or medical schools who are working on a problem concerned with cardiac pacing and/or electrophysiology, in the areas of clinical and basic research. The applicant must be the first author of the manuscript submitted for consideration. Multiple submissions from the same sponsor are discouraged.

Abstracts are not eligible for consideration if published prior to the annual Heart Rhythm Meeting. No abstract may be presented at the Heart Rhythm Meeting if it is substantially similar to material presented or to be presented at a major international meeting held prior to Heart Rhythm 2022 (April 29-May 1, 2022).

Individuals who have submitted abstracts to other major North American meetings and are awaiting notification of acceptance may also submit abstracts to the Heart Rhythm Society for consideration; however, upon acceptance from another organization, it is the responsibility of the author to notify the Heart Rhythm Society office by **Friday, February 8, 2022, 11:59 PM Eastern Time** to withdraw the abstract.

Manuscripts submitted to preprint servers (e.g., MedRxiv.org, BioRxiv.org, or similar) prior to the annual Heart Rhythm meeting, will not impact eligibility and these manuscripts will be considered eligible for the YIA competition.

Eligible Topics

Any work of an investigational nature that pertains directly or indirectly to cardiac pacing and/or electrophysiology is suitable for submission. This work may be in basic science, clinical investigation, or technical innovations.

Finalists are selected based on the qualifications of the candidate and the originality, importance and scientific excellence of a project that contributes to our understanding of cardiac pacing and electrophysiology and ultimately, improved patient care. The Young Investigators Award Competition submissions are reviewed and judged in one of two categories: basic research and clinical research.

Basic/Translational Science

- 01) Ion Channels and Transporters: Molecular Structure, Function, and Regulation
- 02) Ion Channels and Transporters: Micro Anatomy and Pathology
- 03) Genomics: Bench
- 04) Genomics: Translational
- 05) Cell Physiology, Pharmacology, Signaling
- 06) Computer Modeling/Simulation
- 07) Intact Heart Electrophysiology
- 08) Whole Animal Electrophysiology and Pharmacology

Clinical Research – all other categories (excluding Allied Professionals)

PROCESS

To be considered for the YIA Competition, the young investigator will need to submit an abstract during the Heart Rhythm 2022 Abstract Submission period (October 29 – December 10, 2021) and indicate that s/he is interested in applying for the YIA Competition. On December 14, 2021, eligible investigators who indicated their interest during the Abstract Review period will be sent a link to a site in which they can submit the additional necessary materials. Applicants will have until **Monday, January 10, 2022** to submit their materials.

Note: The Abstract Review process will generate a score of eligibility to compete in the YIA Competition. If the submitted abstract does not meet minimum grade criteria you will not be eligible to participate in the YIA Competition.

Materials Required for Participation

All applicants must submit electronically the following materials:

1. Abstract submitted during Heart Rhythm 2022 Abstract Submission period
2. A completed manuscript of the investigation, text typed double-spaced and including all necessary tables, figures and graphs. The manuscript must be in a format that is suitable for submission as an original publication to *Heart Rhythm Journal*. Book chapters, Ph.D. thesis and review articles are not eligible for YIA competition. **The manuscript must not exceed 5,000 words.**

3. A brief Author Statement, including a description of his/her specific role in the overall study.
4. The applicant's curriculum vitae.
5. A statement from the applicant's sponsor or chief of service defining the role of the Young Investigators Award applicant in the study.

Manuscript format, text, and figures must coincide with the *Manuscript Guidelines for Authors* (pages 4-5 included below).

NOTIFICATION

YIA Finalists will be notified via e-mail of their acceptance in early February, the same time all abstract notifications are sent out. **Please note that the Heart Rhythm Society will notify only the six Finalists.**

PRESENTATION

The YIA Awards Competition will take place in San Francisco in two one-hour sessions, one for Basic Science and the other for Clinical Research. Each finalist will be given 20 minutes: a ten-minute presentation by the finalist, followed by a 10-minute question-and-answer session with the YIA judges.

AWARDS

All six YIA finalists will receive complimentary registration to Heart Rhythm 2022 and \$1,000 travel stipend per finalist for travel expenses. There will be two first prize awards: \$1,000 for basic research and \$1,000 for clinical research. The four honorable mentions will each receive \$500. The results will be announced in San Francisco at Heart Rhythm 2022.

QUESTIONS?

If you have any questions about participating in the YIA Competition, please contact abstracts@HRSONline.org.

MANUSCRIPT GUIDELINES FOR AUTHORS

YIA finalists will have the opportunity to self-submit their manuscript to the Heart Rhythm Journal. This guide is to help prepare authors for manuscript submission to *Heart Rhythm Journal*. Submitting authors who do not follow this guideline will not be eligible for publication to the journal.

MANUSCRIPT and FIGURE PREPARATION

Manuscripts must be submitted online via the YIA Application site. For text files, Microsoft Word is required. For Figures, JPEG files are strongly preferred, at the standard resolutions (i.e. 300 dpi for photos, 1200 dpi for line art) and scaled to size. Do not exceed the maximum number of figures by submitting separate figure panels, e.g., A, B, C, etc. If separate figure panels are used, they must be scaled to size and combined into a single figure that cannot exceed ½ journal page.

If you wish to include more than 8 figures and tables combined, the use of supplementary data is encouraged. As with other figures and tables, these are assumed to be original. If published previously, the reference must be cited with a citation of permission as required by the copyright holder. Finally, figures should not include logos, symbolic landmarks, or any other identification of the origin.

Arrange the contents in the following order:

1. Title page
2. Abstract – 250 words max with subheadings: Background, Objective, Methods, Results, and Conclusion
3. Keywords (5-10)
4. Text (Double-spaced, single-columned)
5. References (35 maximum; use journal style noted below)
6. Figure legends
7. Tables
8. Figures
9. Supplementary material

FORMAT

Title Page:

Please include a brief and descriptive title of the article (which should indicate key features of the article so that literature searches will identify the article), a short title of fewer than 50 characters, authors full names, academic degrees, hospital and academic affiliations, acknowledgment of ALL sources of financial support, potential **conflicts of interests for ALL authors**, and the name, address, and E-mail of the individual responsible for editorial correspondence and/or reprint requests.

Abstract:

Please include a brief abstract (without references) of fewer than 250 words for original articles. Divide the abstract into sections: Background, Objective, Methods, Results, and Conclusion that state the importance and potential implications of the observations. Following the abstract, list 5 to 10 keywords suitable for indexing.

Text:

Organize the text into the following sections: Introduction, Methods, Results, Discussion, and Conclusion, with appropriate subheadings to make the sections easily understood. **Studies on patients or volunteers require Institutional Review Board (IRB) approval, which must be cited in the Methods** section of the paper. For animal studies, Authors must include a statement in the Methods section confirming that the study conforms to the Guide for the Care and Use of Laboratory Animals and was approved by the Institutional Animal Care and Use Committee (IACUC) at the authors' institution. A section on Clinical implications for experimental articles may be worthwhile. Explain abbreviations at first mention, followed by the abbreviation in parentheses, and limit use only to a few commonly accepted words. References, tables, and figures should be cited in numerical order. Avoid jargon, clichés, and laboratory slang. References to pacemakers, defibrillators, and leads must adhere to code structures and usage conventions set forth by NASPE/BPEG code. Place acknowledgments at the end of the text, before the references.

The manuscript must not exceed 5,000 words including title page, abstract, text, references, tables, and figure legends, with a combined total of no more than 8 figures and/or tables and 35 references.

Authors whose native language is not English are strongly advised to seek appropriate grammatical assistance. Poorly written manuscripts are at a disadvantage.

References:

Number references in the order in which they are cited in the text. Include references to unpublished material or personal communications in the text in parentheses. Abbreviate titles of periodicals according to the style of Index Medicus, National Library of Medicine. List the first 6 authors in each reference. If more than 6, list 3 and et al. following exactly the format and punctuation shown below. The references should be double spaced and use the same font size as the remainder of the manuscript.

Examples:

Reference to a journal publication:

1. Kim YG, Shim J, Oh S, Lee K, Choi J, Kim Y. Electrical isolation of the left atrial appendage increases the risk of ischemic stroke and transient ischemic attack regardless of postisolation flow velocity. *Heart Rhythm* 2018;15:1746-1753.
2. Calkins H, Kuck KH, Cappato R, et al. 2012 HRS/EHRA/ECAS expert consensus statement on catheter and surgical ablation of atrial fibrillation: Recommendations for patient selection, procedural techniques, patient management and follow-up, definitions, endpoints, and research trial design. *Heart Rhythm* 2012;9:632-696.

Reference to a book:

3. Strunk W Jr, White EB. *The Elements of Style*. 4th ed. New York, NY: Longman; 2000.

Reference to a chapter in an edited book:

4. Mettam GR, Adams LB. How to prepare an electronic version of your article. In: Jones BS, Smith RZ, eds. *Introduction to the Electronic Age*. New York, NY: E-Publishing Inc; 2009:281-304.

Abbreviations for periodicals cited in the references should follow the style of Index Medicus and can also be accessed at nlm.nih.gov.

Product Information:

All products mentioned must include company name, city, and state.

Tables:

Number tables consecutively in accordance with their appearance in the text. Each table should be included on a separate page and designed for economy of space and readability. Notes designated in the tables and all abbreviations should be defined in a footnote. Abbreviations should be identified in alphabetical order. Footnotes should be used in the following order: †, ‡, §, ¶, #. Avoid vertical rules. Be sparing in the use of tables and ensure that the data presented in tables do not duplicate results described elsewhere in the article.

Figure Legends/Figures:

See detailed figure requirements under manuscript and figure preparation