

# Newsletter 19-58

Issue 19-58, December 21, 2019

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THE DPS DECADAL SURVEY INFORMATION HUB IS NOW OPEN!

To help the DPS membership participate in, and navigate through, the Decadal Survey process, the DPS Committee has created a “hub” for Decadal Survey Information (see link below). Members can find links to white paper sign-ups, and more information will be added when it is available from the National Academies.

<https://dps.aas.org/decadal-2022-hub> [1]

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THE DPS ENVIRONMENTAL AFFAIRS SUBCOMMITTEE - MEMBERSHIP NOW OPEN FOR APPLICATIONS!

The DPS is proud to announce the establishment of the DPS Environmental Affairs Subcommittee, to be chaired by Anne Virkki (Arecibo). The purpose of the Subcommittee will be to provide inputs to the DPS Committee and

membership on environmentally sustainable actions throughout the year and at the annual DPS meeting. We are looking to fill ~10 membership positions on the Subcommittee. If interested in joining, please send an email to [DPS.Secretary@aas.org](mailto:DPS.Secretary@aas.org) [2] indicating your name, field of planetary science, career stage, and 1-2 paragraphs if you have thoughts on bringing environmentally sustainable ideas to the DPS and DPS meetings. Please send submissions no later than 31 January 2020.

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#### ARECIBO OBSERVATORY NEWSLETTER

The Arecibo Observatory is excited to share with the science community all recent updates about the telescope, science results, and more through our quarterly newsletter! You can read the first one here: [2019 Fall AO Newsletter](#) [3]. You can subscribe to receive this newsletter in the future here: [Join AO Newsletter list](#) [4]. Be sure to whitelist the email [npinilla@ucf.edu](mailto:npinilla@ucf.edu) [5] to avoid the newsletter being filtered to spam.

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#### SMALL BODIES ASSESSMENT GROUP (SBAG) MEETING 22 REGISTRATION NOW OPEN

Dear SBAG Community,

If you are planning to attend SBAG 22 next month please register with the link below:

<http://www.cvent.com/d/hhq0xb/1Q> [6]

Thank you,

Hannah Susorney and Terik Daly

SBAG Early Career Secretaries

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EARLY CAREER SUPPORT FOR OPAG MEETING

The next Outer Planets Assessment Group (OPAG) meeting will be held on February 3-4, 2020 at the Lunar and Planetary Institute (LPI) in Houston, TX. NASA will provide travel grants for a limited number of Early Career participants to attend this OPAG meeting. OPAG plays a key role in sculpting the planetary science community's input into NASA activities for outer planets science and exploration. Thus it is critical for Early Career scientists to attend these meetings both to learn how NASA and Planetary Science programs operate and to represent the community that will work on OPAG-relevant projects in the coming decade. Selection preference will be given to U.S. citizens or lawful permanent residents (green card holders), or those in residence at U.S. institutions. Selected individuals will present a poster at the meeting the evening of February 3 on a topic of their choosing. Interested graduate students, postdocs, and other Early Career scientists (within 5 years of PhD/MS/BS) should submit a short letter of interest and a CV to [Morgan.L.Cable@jpl.nasa.gov](mailto:Morgan.L.Cable@jpl.nasa.gov) [7] by December 30, 2019. Please include "OPAG Early Career Travel Grant" in the subject line. Recipients will be notified by January 6, 2020.

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JOBS, POSITIONS, OPPORTUNITIES

A) POSTDOCTORAL POSITION PROCESSING AMINO ACIDS FROM ICE RADIATION EXPERIMENTS AT

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NASA/GSFC

The Cosmic Ice Lab at NASA Goddard Space Flight Center (Greenbelt, MD) is seeking candidates for a postdoc position in the field of astrochemistry. This research will involve a systematic study of the formation of prebiotic molecules through a combination of experimental ice radiation and aqueous chemistry. The successful candidate will perform high-vacuum ice irradiation experiments, aqueous chemistry in high pressure reaction cells, and will analyze the results using liquid chromatography coupled with mass spectrometry.

This research will focus on organic compounds of astrobiological interest formed by ice radiation chemistry. Additionally, it will examine the role of hydrothermal processing in modifying these organics, comparing the findings to organic materials previously detected in extraterrestrial samples (e.g., meteorites).

The applicants should have a PhD in chemistry or a related field at the start of the position and must be within five years of the receipt of their doctoral degree. Ideally, candidates will have experience with some or all of the following:

- cryo-vacuum apparatus
- radiation chemistry
- infrared spectroscopy
- ultrahigh-performance liquid chromatography with UV fluorescence and time of

flight mass spectrometry detection (LC-FD/ToF-MS)

- high-pressure reaction cells

Applicants should provide a cover letter, CV, a 3-page statement of research interests, publication list, and arrange to have one to three letters of recommendation submitted. The deadline to apply is January 31, 2020. Late applications will be

considered at the discretion of the committee. To apply send all documents to:

Katherine McKee, CRESST II Program Coordinator

[katherine.s.mckee@nasa.gov](mailto:katherine.s.mckee@nasa.gov) [8]

(301) 286-3063 Mail Code 660.8 NASA/GSFC, Greenbelt, MD 20771

Salary and benefits are competitive, commensurate with experience and qualifications.

A start date around May 2020 is preferred; later start dates may be negotiated. For

more information about the proposed research, contact Dr. Christopher Materese

([christopher.k.materese@nasa.gov](mailto:christopher.k.materese@nasa.gov) [9]). For information on CRESST II or Howard

University, contact Dr. Marcus Alfred ([maralfred@howard.edu](mailto:maralfred@howard.edu) [10]). We are committed

to building a diverse group and encourage applications from women, racial and ethnic

minorities, individuals with disabilities and veterans. Howard University is an

Affirmative Action, Equal Opportunity Employer.

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Send submissions to:

Anne Verbiscer, DPS Secretary ([dpssec@aaas.org](mailto:dpssec@aaas.org) [11])

You are receiving this email because you are a DPS member.

To unsubscribe or update your information, please send your request

to [privacy@aaas.org](mailto:privacy@aaas.org) [12]. The more general AAS privacy policy is available

online at <https://aas.org/about/policies/privacy-policy> [13]. Current and back

issues of the DPS Newsletter can be found at <https://dps.aas.org/newsletters> [14]

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- [2] <mailto:DPS.Secretary@aas.org>
- [3] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_mailchi.mp\\_caeff81bb676\\_draft-2Dnewsletter-2Dvol-2D4-2D5711219-3Fe-3D5731bbdd9b&d=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=xs7jefe70C\\_qKseKTYLnmUQS50tRWmyixlgnqIDCEgc&s=0RDff3R\\_z1nej9U2ovtzZqZWEsUiZvF5XDIThTZh3pM&e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__mailchi.mp_caeff81bb676_draft-2Dnewsletter-2Dvol-2D4-2D5711219-3Fe-3D5731bbdd9b&d=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=xs7jefe70C_qKseKTYLnmUQS50tRWmyixlgnqIDCEgc&s=0RDff3R_z1nej9U2ovtzZqZWEsUiZvF5XDIThTZh3pM&e=)
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- [5] <mailto:npinilla@ucf.edu>
- [6] [https://urldefense.proofpoint.com/v2/url?u=http-3A\\_\\_www.cvent.com\\_d\\_hhq0xb\\_1Q&d=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=xs7jefe70C\\_qKseKTYLnmUQS50tRWmyixlgnqIDCEgc&s=50v7yZjfbILTMszZm3B\\_yDjI\\_nyPgwnsOQfCRHE3ts0&e=](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.cvent.com_d_hhq0xb_1Q&d=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=xs7jefe70C_qKseKTYLnmUQS50tRWmyixlgnqIDCEgc&s=50v7yZjfbILTMszZm3B_yDjI_nyPgwnsOQfCRHE3ts0&e=)
- [7] <mailto:Morgan.L.Cable@jpl.nasa.gov>
- [8] <mailto:katherine.s.mckee@nasa.gov>
- [9] <mailto:christopher.k.materese@nasa.gov>
- [10] <mailto:maralfred@howard.edu>
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- [14] [https://urldefense.proofpoint.com/v2/url?u=https-3A\\_\\_dps.aas.org\\_newsletters&d=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=xs7jefe70C\\_qKseKTYLnmUQS50tRWmyixlgnqIDCEgc&s=vvi5Ns0vrPQxjfiw5FxzIkiLu7UujzAahl7rDgOOe-s&e=](https://urldefense.proofpoint.com/v2/url?u=https-3A__dps.aas.org_newsletters&d=DwMGaQ&c=ApwzowJNAKKw3xye91w7BE1XMRKi2LN9kiMk5Csz9Zk&r=fG5pH1N7YtwOEF6xelPAeRse0ND3CGAXrgq3T4Wd0y4&m=xs7jefe70C_qKseKTYLnmUQS50tRWmyixlgnqIDCEgc&s=vvi5Ns0vrPQxjfiw5FxzIkiLu7UujzAahl7rDgOOe-s&e=)