IBUILD info session agenda

IBUILD program

  Ja’Wanda Grant, Oak Ridge National Laboratory

IBUILD fellowship overview

  Rachel Hill, Oak Ridge Institute for Science Education

Q&A
IBUILD Graduate Research Fellowship overview

• IBUILD (Innovation in Buildings) is a NEW Fellowship recruiting its second cohort

• Funding innovative building energy efficiency research to prepare future generation of building technology professionals

• Sponsored by DOE Building Technologies Office (BTO)
  - Provides resources and strategies to significantly reduce building energy use and intensity

• BTO funded research contribute to new technologies
  - Solid-state lighting
  - Energy-saving windows
  - Heat pump water heaters
  - High-efficiency furnaces and air conditioners
How does IBUILD benefit fellows?

• **Research and educational support** to conduct innovative research at their home institution in an area with demonstrated relevance to building energy efficiency

• **Professional development** through experience by delivering oral presentations, writing research papers, and participating in IBUILD webinars

• **Mentoring** to support career exploration

• **Networking** with IBUILD Fellows, mentors, and other building technology researchers

• **Internship** support through funding for travel to internship site
EMPOWER Wall
IBUILD management team

Department of Energy, Building Technologies Office

Mary Hubbard, Manager, Technology-to-market
Fredericka Brown, AAAS Science and Technology Policy Fellow

Oak Ridge National Laboratory

Moody Altamimi, Director, Office of Research Excellence
Ja’Wanda Grant, Lead, University and Student Affairs
Hayley McLeod, Technical Associate, Integrated Building Performance Group

Oak Ridge Institute for Science and Education

Rachel Hill, Section Manager, STEM Workforce and Development
James Haynes, Program Specialist, STEM Workforce and Development
Who should apply?

• MS and PhD students with at least one year remaining
  – Current undergraduate seniors who will be enrolled by September 1, 2022

• Students with innovative research ideas in an area with demonstrated relevance to building energy efficiency

• Students seeking research career opportunities in building technologies (i.e., national laboratories, industry, academia)
Benefits

- $35K stipend
- Up to $25K tuition reimbursement
- Up to $12K allowance for travel, materials, and supplies
- Up to $16K health insurance allowance
Eligibility overview

• US citizen or permanent US resident

• Intend to enroll or be enrolled full-time in a research-focused master’s or PhD program

• Conduct STEM research in an area with demonstrated relevance to building energy efficiency

• Cumulative GPA: 3.0 or higher on 4.0 scale
Fellowship terms

- Attend IBUILD orientation
- Participate in IBUILD professional development programs
- Present poster at Annual BTO Peer Review or IBUILD symposium
- Submit annual written research report
Sample fellowship year

- September 1, 2022–August 31, 2023
  - Research at home institution

- October 2022: IBUILD orientation

- October 2022–April 2023
  - Professional development and mentorship opportunities

- April 2023
  - Annual progress reports or request for renewal

- June 2023
  - Independently secured internship with possible travel funding through IBUILD
IBUILD fellowship timeline: Cohort 2

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tbody>
<tr>
<td>On-line application opens</td>
<td>September 22, 2021</td>
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<tr>
<td>Applications due</td>
<td>December 1, 2021, 5:00 PM EST</td>
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<td>Offer notification</td>
<td>February 15, 2022, 5:00 PM EST</td>
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<tr>
<td>Offer acceptance</td>
<td>March 1, 2022, 5:00 PM EST</td>
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<tr>
<td>Earliest start date for proposed project periods</td>
<td>July 1, 2022</td>
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<tr>
<td>Latest start date for proposed project periods</td>
<td>September 1, 2022</td>
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What does the application include?

1. Proposed research plan
2. Research summary
3. Research goals and aspirations
4. Diversity statement
5. Résumé
6. Letters of recommendation (2 required)
7. Transcript(s)
Research Plan

• Describe a problem or issue you would like to research during your graduate studies
  – This could be a description of a current project or new research idea

• The research proposal should include:
  – Background
  – Research methodology
  – Discussion of findings (if relevant)
  – Future directions
  – Broader impacts

• The research proposal should be 2 pages maximum
Research plan evaluation

• **Broader impacts**
  – Does proposed research have potential to benefit society and advance building energy efficiency in support of the BTO mission?

• **Intellectual merit**
  – Does intellectual merit encompass potential to advance knowledge?

• **Scientific and/or technical merit of proposed research**
  – Does it demonstrate a clear understanding of challenges involved?
  – Is proposed method and approach appropriate?
  – Does applicant have access to facilities/resources?

• **Originality and innovation**
  – Does proposed research present ideas for cutting-edge technologies or approaches?
Additional details about fellowship funding

• Health insurance

• Stipend (frequency of payment)
  – Monthly – last business day of month

• Tuition payment (directly to University)

• Materials/supplies/travel
  – Submittal Forms – how to make the funding requests
    • Review and approval process
  – Examples
    • Allowable – conference travel
    • Nonallowable – personal travel
  – If it’s not in your PI’s budget, it might be in this one! 😊
More information about IBUILD

- **Website:** [www.ibuildfellowship.org](http://www.ibuildfellowship.org)
  - Visit the [FAQ](http://www.ibuildfellowship.org) page for regular updates

- **Questions:** [ibuild@orise.orau.gov](mailto:ibuild@orise.orau.gov)

- **Apply:** [https://zintellect.com/Opportunity/Details/DOE-EERE-RPP-IBUILD-2021](https://zintellect.com/Opportunity/Details/DOE-EERE-RPP-IBUILD-2021)

- **Subscribe to the email list:** [https://ibuildfellowship.org/info-session/](https://ibuildfellowship.org/info-session/)