

A Guide to Summer Research Fellowships and Opportunities

Created by YEEBUG and the EEB Peer Mentors, 2019-2020

*Welcome to our summer research guide! We hope that this can be a helpful resource for finding opportunities and funding as you start to plan your summers. This is a living document, and we may continue to contribute to it as we crowdsource information from upper-level E&EB students. Feel free to share this with people who may find it useful. *A note about deadlines and requirements*: double check the due date and application materials for any fellowships you are interested in, using the websites linked below. These details can change, so don't rely solely on our information here. Go forth and research! :)*

Yale Fellowships

Yale College First-Year Summer Research Fellowship in the Sciences and Engineering

- **Link:**
<https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A2F41335045733161622B6F767345674D727945695541634A484A5A5766576945346B4C32727A4A332F615263317263626C7A6D7A63733D>
- **Deadline:** 3/5/2020, 11:30 pm
- **Roughly what does the app look like? How much writing, any additional requirements, etc.:** description of the proposed research including training objectives and how this will prepare the applicant for further study in their field of interest (3-4 pages), CV, detailed description of prior research experience, recommendation letter from PI, second recommendation letter
- **What does it fund? Are there requirements?** Summer STEM research in a lab at Yale
- **Who is eligible?** Current first years
- **How much money?** \$4300
- **Past titles by E&EB students:**
 - Anusha Bishop: Evolutionary Genetics of the Giant Galapagos Tortoise (*Chelonoidis chathamensis*) from the Island of San Cristóbal (2017)

Yale College Dean's Research Fellowship in the Sciences (and Rosenfeld Science Scholar Program)

- **Link:**
<https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A30634144664D5643787A4C762F61683158694E6D49316530615556785678354373704778505A4551787472437556746369784F6457633D>
- **Deadline:** 2/21/2020, 11:30 pm

- **Roughly what does the app look like? How much writing, any additional requirements, etc.:** Research proposal including training objectives and how this will prepare the applicant for further study in their field of interest (3-5 pages, they also seem to like to see 2-3 specific aims that are very clear/well defined/testable (*not a strict rule just a suggestion*)), CV including a description of relevant experience, recommendation letter from PI, second recommendation letter, transcript.
- **What does it fund? Are there requirements?** Summer STEM research in a lab at Yale (for the Rosenfeld (NOT Dean's): must have a 3.75 cumulative GPA or higher)
- **Who is eligible?** Current sophomores and juniors
- **How much money?** \$4300 (Rosenfeld Scholars: \$4500 + funds to present research at conferences)
- **Past titles by E&EB students:**
 - Matt Hack: Cryptic Speciation and Species Delimitation in *Vireo sclateri* (2019)
 - Anusha Bishop: Integrating genetic and environmental data to create connectivity and habitat maps for tsetse flies (*Glossina pallidipes*) in Kenya (2019)
 - Maya Juman: Ecogeographic Variation and Taxonomic Boundaries in Large Treeshrews (Mammalia, Scandentia) from Southeast Asia (2019)
 - Kaija Gahm: Life History Tradeoffs between Growth Rate and Metabolic Performance in the Wood Frog (*Rana sylvatica*) (2019)

Alan S. Tetelman 1958 Fellowships For International Research in the Sciences

- **Link:**
<https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A7962437A6A736D7752796F3159413637576F6450737278672F637459476B3835437164374B734832444F61626C6A41724E4B463532553D>
- **Deadline:** 2/27/2020, 11:30 pm
- **Roughly what does the app look like? How much writing, any additional requirements, etc.:** Description of proposed research (3-5 pages), budget, CV, language evaluation (sometimes), recommendation letter from proposed mentor, second recommendation letter, transcript.
- **What does it fund? Are there requirements?** Summer STEM research abroad. Also, make sure that it is clear how your research addresses “basic/foundational” science questions (meaning not an internship or a study that could be considered just data collection (for ex: Anusha had to reframe her question to make it seem more like a biology/life history project than a fisheries project)), description of relevant experience.
- **Who is eligible?** Current first-years, sophomores, and juniors
- **How much money?** Variable (these funds cannot be used for conference travel, but in this if you need funds for conference travel and you got this fellowship)
- **Past titles by E&EB students:**

- Anusha Bishop: Analysis of species composition, abundance, and reproductive biology of batoids in Sri Lanka (2018)
- Maya Juman: Ecogeographic Variation and Taxonomic Boundaries in Large Treeshrews (Mammalia, Scandentia) from Southeast Asia (2019)

Summer Environmental Fellowship

- **Link:**
<https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A33384C6744316D64757A2B7761594537582F53537431334F6F42734474546F64514C70387436386E48457030734C4653467359474D343D>
- **Deadline:** 3/27/2020, 4:00 pm
- **Roughly what does the app look like? How much writing, any additional requirements, etc.:** research proposal (700 words), budget, resume, recommendation letter from Yale mentor, second recommendation letter from non-Yale mentor (only if you're not working with someone not based at Yale)
- **What does it fund? Are there requirements?** Summer research relevant to environmental issues
- **Who is eligible?** Current first-years, sophomores, and juniors
- **How much money?** Variable
- **Past titles by E&EB students:**
 - Matt Hack: Cryptic Speciation and Species Delimitation in *Vireo sclateri* (2019)
 - Maya Juman: Ecogeographic Variation and Taxonomic Boundaries in Large Treeshrews (Mammalia, Scandentia) from Southeast Asia (2019)
 - Kaija Gahm: Life History Tradeoffs between Growth Rate and Metabolic Performance in the Wood Frog (*Rana sylvatica*) (2019)
 - FULL LIST:
<https://evst.yale.edu/previous-summer-environmental-fellowship-awards#overlay-context=summer-environmental-fellowships-2017>

Residential College Richter Fellowships

- **Link:** See below (list of links by residential college)
- **Deadline:** 3/27/2020, 12:00 pm
- **Roughly what does the app look like? How much writing, any additional requirements, etc.:** Grant proposal (~700 words), budget, resume
- **What does it fund? Are there requirements?** Small grants given out by the residential college to supplement summer research projects or independent studies
- **Who is eligible?** Current first-years, sophomores, and juniors (primarily awarded to juniors)
- **How much money?** Generally \$1,500 (capped at \$1,000 for Berkeley and Saybrook and Pierson). It will vary depending on how many applicants they have.

- (Kaija) I asked for about \$500 and got \$325. Could be because my proposal was a little bit of a stretch for this particular grant, or could be because they had a ton of applicants and wanted to fund as many people as possible.
- (Anthony) I received \$1000 from the Pauli Murray Richter Fellowship in order to make ends meet for my sophomore summer. It is definitely worth applying for in order to help cover your costs! When you get back in the fall, you'll have to write a short (non-stressful) report on what you did over the summer.
- **Past titles**
 - Matt Hack: Cryptic Speciation and Species Delimitation in *Vireo sclateri* (2019, Saybrook)
 - Maya Juman: Ecogeographic Variation and Taxonomic Boundaries in Large Treeshrews (Mammalia, Scandentia) from Southeast Asia (2019, Saybrook)
 - Kaija Gahm: Life History Tradeoffs between Growth Rate and Metabolic Performance in the Wood Frog (*Rana sylvatica*) (2019, Pierson)
 - Anthony Sarkiss: Researched *Pleurotus* mushrooms' abilities to colonize and remediate medium contaminated with crude oil (2019, Pauli Murray)
- **Links by Residential College**
 - Benjamin Franklin:
 - <https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A2B62526F4D523164704F4F55515142505070786E466E42424B47477167635965532F37555259433133576254413247586E6C754C36673D>
 - Berkeley:
 - <https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A362B4B58354B4C73586357424B6A38413531332F50616D37326C757674693355617278752F48595543443573673073727432434F564D3D>
 - Branford:
 - <https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A7A42634E6D34615733676D526C493537646A693877746A56746C4E333361614D7A414F486A35325A576C4739494D776F516A746C4A513D>
 - Davenport:
 - <https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A7876664E7A67746C597735664A5343753156426458656352346D456366323647445945732F30763173754D616E31594F4643572B39633D>
 - Ezra Stiles:
 - <https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A307246374C3039314571634B5757796C454F7145736F4972674B774C2F6C7563302F665338594A595A4D4F51623032616158776D44733D>
 - Grace Hopper:
 - <https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A395056585A4F675033486B527A53665959384E573343D>

375468706B4D334A4B2B517863364D704B677535636576654A4D614E43366C733D

- Jonathan Edwards:
<https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A7A7A5A5534326E394455452F3534794731757A31632B756F6335784C4E327430575A2F6F6C396856504448724E4462393763537556413D>
- Morse:
<https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A2F66667047526E2F396C59374852563259537461462F65426246444878587375595463764C4952586B396A37693959644753445048633D>
- Pauli Murray:
<https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A78374339424D7473753649484D492B417752504C437042694471526D3352685550623757737252472B435145396F65363663697375493D>
- Pierson:
<https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A2B4637433576314B4F782F4E546B34527550563467647534556F39554569315377646954642B743132753632782B44482B76545A78673D>
- Saybrook:
<https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A2B6A304B7A6A5A3647306F3854536575356C6D70506736693273637A346B356E61626A6A51776B6557486567786F513769656547674D3D>
- Silliman:
<https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A3378424E543444695379356C32726248376765706B43742B31437246354B7A5271435952324E3063496F5A497A3966783077723153383D>
- Timothy Dwight:
<https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A795A2B3275395A613755304372575963364B4A374472305A676A6F73335A646334647631635475545355416E48586649706C4866696B3D>
- Trumbull:
<https://yale.communityforce.com/Funds/FundDetails.aspx?496F49596D593768464E3537506B6F754D5442315A384165546F56744A677352796E7A4B6C646B343458514D6D6939306D7A53464F2B696252585036554F50334E66785A6D714948384B413D>

Tropical Resources Institute Fellowship

- **Link:** <https://tri.yale.edu/fellowships>
- **Deadline:** 4/16/2021 1:00 PM

- **Roughly what does the app look like? How much writing, any additional requirements, etc.:** project proposal (2 pages), research schedule, unofficial Yale transcript, other post-high school transcripts, CV/resume, budget
- **What does it fund? Are there requirements?** Research in the tropics related to the environment
- **Who is eligible?** Juniors and seniors
- **How much money?** From \$1,500 to \$8,000
- **Past titles**
 - Chau Pham: Drivers of aboveground biomass in a mixed dipterocarp forest of Sri Lanka (2020)
 - FULL LIST: <https://tri.yale.edu/fellows/current-fellows>

Other Opportunities

Student Summer Internships at the Yale Peabody Museum

- **Link:** <https://peabody.yale.edu/yale-students/summer-internships>
- **Deadline:** 2/17/2020
- **Roughly what does the app look like? How much writing, any additional requirements, etc.:** Application form, two recommendation letters
- **What does it fund? Are there requirements?** Summer STEM research internships at the Peabody Museum. Some are also Yale-Smithsonian internships (learn more about the Yale-SI partnership here: <https://yale-smithsonian.yale.edu/opportunities>)
- **Who is eligible?** Current first-years, sophomores, and juniors
- **How much money?** ~\$3,000
- **Past titles by E&EB students:**
 - Matt Hack: Cryptic Speciation and Species Delimitation in *Vireo sclateri* (2018)
 - Maya Juman: Species Boundaries Among Large Treeshrews (Scandentia, Tupaiidae) from Southeast Asia (2018)

REUs (Through National Science Foundation)

- **Link:** https://www.nsf.gov/crssprgm/reu/reu_search.jsp
- **Deadline:** Highly variable -- dependent on individual internship
- **Roughly what does the app look like? How much writing, any additional requirements, etc.:** Dependent on individual internship; generally resumé, supplemental essays, and 2+ recommendation letters

- **What does it fund? Are there requirements?** Summer STEM research internships at various institutions and field sites across the country, funded through the NSF
- **Who is eligible?** Current first-years, sophomores, and juniors
- **How much money?** Variable, but generally ~\$6,000 take home prize, plus all expenses paid for
 - Kaija: I've had two REU's and neither of them paid quite this much. I think it was around \$5,000, plus airfare and housing provided, but then I had to buy food out of that \$5,000. Then again, mine were in rural New Mexico and small-town Wisconsin, so the cost of living was probably quite a bit lower than, say, an REU in a big city.
 - Josie: I've had one REU and my take home compensation was ~\$6,000. Because my REU primarily involved backpacking in the backcountry, I had to pre-dehydrate all of my food and ship it, as well as purchase a larger backpack and 1-person tent. However, airfare and housing were provided, so I think my take home compensation at the end of 10 weeks of work was approximately \$6,000+. After some upfront costs (backpack, tent, and food to dehydrate) I had a very low cost of living, so I'm not sure how my experience would compare to an REU in a city.
- **Past titles by E&EB students:**
 - Josie Wilson (2018): Undergraduate field research: amphibians and microbes in the Sierra Nevada Mountains, CA (no longer offered)
 - Kaija Gahm (2017): The Gray Areas—Mapping Gray Vireo (*Vireo vicinior*) territories at the Seville National Wildlife Refuge (<https://sevilletareu.wordpress.com/>)
 - Kaija Gahm (2018): Large Woody Debris on the Upper Mississippi River (<https://www.uwlax.edu/mathematics/activities/reu/>)

Michael Manzella Fellowship: Supporting projects in cancer research, music and performing arts, education, and youth development

- Link: <https://themichaelmanzellafoundation.com/summer-fellowships/>
- Deadline: March 15th, 2020
- **Roughly what does the app look like? How much writing, any additional requirements, etc.:** resume, proposed budget, project proposal, personal statement, transcript, a letter of recommendation from “someone who can evaluate the candidate and the feasibility and value of the proposed summer project.”
- **What does it fund? Are there requirements?** Funds summer projects in cancer research, music and the performing arts, education, and youth development.
- **Who is eligible?** Yale undergraduates who are currently in the first, sophomore, or junior year.
- **How much money?** Grant awards range from \$3,000-5,000
- **Past titles:**

- Josie Wilson: Characterizing the role of IL33 in the development of non-small cell lung cancer (2017, Davenport)
 - Note: I asked for \$3,000 in funding (covered Massachusetts (where my lab was) minimum wage) and received \$1,500. Perhaps the fellowship awards have increased since 2017, but that was my experience.

Kohlberg-Donohoe Research Fellowship

- **Link:** <https://forests.yale.edu/research/kohlberg-donohoe-research-fellowship>
- **Deadline:** As of February 10th 2020, the website says “mid- to late-March (deadline TBA)”
- **Roughly what does the app look like? How much writing, any additional requirements, etc.:** Project proposal (maximum 2 pages single spaced, proposed budget, letter of support from the advisor. You also have to submit “a School Forests research application,” which I think is basically an application to work in the forests. In my case, my lab had a standing permit to do work in the forest, so I don’t know what this would entail if you were writing one for an entirely new project.
- **What does it fund? Are there requirements?** Grant through the forestry school for work at any of Yale’s forest properties (such as Yale-Myers Forest). Your work has to involve the forests somehow: it could be an entire study at one of the properties, or you could collect your samples there and analyze them elsewhere, as I (Kaija) did.
- **Who is eligible?** Undergrads and grad students
- **How much money?** \$1,000-\$3,000. “can be used to cover travel, lodgings, supplies, and equipment related directly to the proposed research.”
- **Past titles**
 - Kaija Gahm: Life History Tradeoffs between Growth Rate and Metabolic Performance in the Wood Frog (*Rana sylvatica*) (2019, Pierson)

Job Boards and Other Resources

- Can be used to find field work positions or other short-term summer positions
- **Ornithology Exchange:** <https://ornithologyexchange.org>
 - All bird-related jobs
- **Texas A&M Wildlife Job Board:** <https://wfscjobs.tamu.edu/job-board/>
- **Ecolog:** <https://www.esa.org/membership/ecolog/>
 - Email list (and also online repository) of ecology-related jobs
- **EvoDir:** <http://life.biology.mcmaster.ca/~brian/evoldir.html>
 - Evolution-related postings/announcements
- **Next gen careers**
 - <https://www.esa.org/nextgencareers/resources/job-sites>
- **Ecology Jobs**
 - <https://www.conservationjobboard.com/category/ecology-jobs>

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