

# Application for 2024 Yale Center for Clinical Investigation Multidisciplinary Pre-Doctoral Training Program

## Instructions

* **Completed applications are due at 5:00 PM on Friday, March 8, 2024**
* The application package is to be uploaded to an online application questionnaire. The link is available on the YCCI Multidisciplinary Predoctoral Training Program web page: <https://medicine.yale.edu/ycci/education/predoc/>
* Applicants must answer a few additional questions through the online application.
* Information collected regarding age, gender, ethnicity, race, disability, and disadvantaged background status will be kept confidential and is only used for aggregate reporting. The only exception is for candidates who wish to take advantage of the special program emphasis on candidates from underrepresented groups in health-related research (see [NIH NOT-OD-20-031](https://grants.nih.gov/grants/guide/notice-files/NOT-OD-20-031.html)); in this case, the candidate will be noted as being a member of an underrepresented group.
* Please consolidate all items into a single PDF and upload it in that form.

**A complete application consists of the following items in the order shown. Do not exceed page limits.**

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| --- | --- | --- |
| Item # | Item | Page limit |
| 1 | Research Abstract | 1/2 page |
| 2 | Reapplication Summary | 1 page |
| 3 | Research Plan Narrative | 3 pages |
| 4 | References | As needed |
| 5 | Statement of purpose | 2 pages |
| 6 | Applicant’s NIH-format Biosketch | 5 pages |
| 7 | Other Support | As needed |
| 8 | Letter of support from primary mentor and secondary mentor(s) | Up to 2 pages each |

## Other Application Instructions

### To be completed by the applicant:

1. Research Abstract. A succinct description of your proposed interdisciplinary research experience while participating in this program.
2. Reapplication Summary (For current awardees applying for a second year of support only). Describe the previous project aims explicitly, how the aims have changed, your progress over the past year, etc.
3. Research Plan Narrative. This narrative should consist of five sections:
4. Specific Aims. The project's aims should be achievable in one year.
5. Methods, Preliminary Data, and Approach
6. Expected Outcomes
7. Multidisciplinary Aspects of the Research Plan. Fifth-year medical student applicants will need to include a second mentor and specify how their training will be multidisciplinary.
8. Future Research Goals
9. References. List of references cited in your research abstract.
10. Statement of purpose. This narrative should provide background information relevant to your past research experience and career goals, a description of how your mentors will support your career growth, and a mentoring plan that includes how often you will meet with your mentors (individually and as a mentoring team) and how progress will be evaluated.
11. Applicant’s NIH-format biosketch. **Use Fellowship Biosketch Rev. 10/2021** approved through 01/31/2026. The template, instructions, and samples can be found at: <https://grants.nih.gov/grants/forms/biosketch.htm>.

### To be completed by the applicant in conjunction with the applicant’s business office:

1. Other Support. **Use Other Support Rev. 10/2021** approved through 01/31/2026. The template, instructions, and samples can be found at: <https://grants.nih.gov/grants/forms/othersupport.htm>.

### To be completed by others:

1. Primary and secondary mentor’s letter of support. These letters should provide evidence of your mentor’s commitment to working with you to support your participation in the program and your future career growth, including a commitment to cover any additional costs of the trainee, including research support costs. To be completed by the primary mentor and secondary mentor(s). For current awardees applying for a second year of support, your mentors’ letters of support should comment on progress made during your first year.

Please note that a budget and budget justification are not required for this application as the award amounts are set by the NRSA. Please see the [Stipend Levels for Ruth L. Kirschstein National Research Service Award (NRSA) Stipends, Tuition/Fees, and Other Budgetary Levels Effective for Fiscal Year](https://grants.nih.gov/grants/guide/notice-files/NOT-OD-23-076.html) 2023 to get a sense of what the levels may be this coming year and the [NIH Grants Policy Statement 11.3.8. 11.3.8 Allowable and Unallowable Costs](https://grants.nih.gov/grants/policy/nihgps/html5/section_11/11.3.8_allowable_and_unallowable_costs.htm) to understand what expenses are allowed.

## Questions

For questions about the application process and eligibility, please contact Christine Costantino ([YCCI\_Funding\_Opportunities@yale.edu](mailto:YCCI_Funding_Opportunities@yale.edu)). For questions related to the science of the project, please contact Drs. Lloyd Cantley ([Lloyd.Cantley@yale.edu](mailto:Lloyd.cantley@yale.edu)) or E. Jennifer Edelman ([EJennifer.Edelman@yale.edu](mailto:ejennifer.edelman@yale.edu)).

Field of Research Training (FOT) Code List

|  |  |  |
| --- | --- | --- |
| **Field of Research Training Codes** |  |  |
| **BIOLOGICAL/BIOMEDICAL SCIENCES** |  |  |
| **130 Anatomy** | **145 Endocrinology** | **175 Pathology, Human & Animal** |
| **110 Bacteriology** | **148 Entomology** | **180 Pharmacology, Human & Animal** |
| **100 Biochemistry** | **167 Environmental Toxicology** | **185 Physiology, Human & Animal** |
| **102 Bioinformatics** | **134 Epidemiology** | **115 Plant Genetics** |
| **103 Biomedical Sciences (*see also Statistics in MATHEMATICS and SOCIAL SCIENCES*)** | **137 Evolutionary Biology** | **120 Plant Pathology/Phytopathology** |
| **133 Biometrics & Biostatistics** | **170 Genetics/Genomics, Human & Animal** | **125 Plant Physiology** |
| **105 Biophysics (*also in PHYSICS*)** | **151 Immunology** | **155 Structural Biology** |
| **107 Biotechnology** |  | **169 Toxicology** |
| **129 Botany/Plant Biology** | **157 Microbiology** | **168 Virology** |
| **158 Cancer Biology** | **154 Molecular Biology** | **188 Wildlife Biology** |
| **136 Cell/Cellular Biology & Histology** | **159 Molecular Medicine** | **189 Zoology** |
| **104 Computational Biology** | **160 Neurosciences & Neurobiology** | **198 Biology/Biomedical Sciences, General** |
| **142 Developmental Biology/Embryology** | **163 Nutrition Sciences** | **199 Biology/Biomedical Sciences, Other** |
| **139 Ecology** | **166 Parasitology** |  |
| **HEALTH SCIENCES** |  |  |
| **222 Kinesiology/Exercise Physiology** | **215 Public Health** |  |
| **210 Environmental Health** | **577 Medical Physics/Radiological Science** | **245 Rehabilitation/Therapeutic Services** |
| **227 Gerontology (also in SOCIAL SCIENCES)** | **200 Speech-Language Pathology & Audiology** |  |
| **280 Health and Behavior** | **230 Nursing Science** | **250 Veterinary Sciences** |
| **213 Health Services Research** | **207 Oral Biology/Oral Pathology** | **298 Health Sciences, General** |
| **212 Health Systems/Service Administration** | **240 Pharmaceutical Sciences** | **299 Health Sciences, Other** |
| **CHEMISTRY** |  |  |
| **527 Chemical Biology** | **526 Organic Chemistry** | **539 Chemistry, Other** |
| **PHYSICS** |  |  |
| **565 Biophysics (*also in BIOLOGICAL SCIENCES*)** | **579 Physics, Other** |  |
| **COMPUTER & INFORMATION SCIENCES** |  |  |
| **410 Information Sciences & Systems** | **419 Computer & Information Science, Other** |  |
| **MATHEMATICS & STATISTICS** |  |  |
| **450 Statistics (*also in SOCIAL SCIENCES*)** | **499 Mathematics & Statistics, Other** |  |
| **ENGINEERING** |  |  |
| **306 Bioengineering & Biomedical Engineering** | **312 Chemical Engineering** | **399 Engineering, Other** |
| **PSYCHOLOGY** |  |  |
| **600 Clinical Psychology** | **615 Experimental Psychology** | **633 Psychometrics & Quantitative Psychology** |
| **626 Cognitive Neuroscience (*see also Neurosciences & Neurobiology in BIOLOGICAL/BIOMEDICAL SCIENCES*)** | **614 Health & Medical Psychology** | **639 Social Psychology** |
| **603 Cognitive Psychology & Psycholinguistics** | **627 Neuropsychology/Physiological Psychology** | **649 Psychology, Other** |
| **612 Developmental & Child Psychology** | **624 Personality Psychology** |  |
| **SOCIAL SCIENCES** |  |  |
| **662 Demography/Population Studies** | **217 Health Policy Analysis** | **699 Social Sciences, Other** |
| **667 Economics** | **686 Sociology** |  |
| **684 Gerontology (*also in HEALTH SCIENCES*)** | **690 Statistics (*also in MATHEMATICS; see also Biometrics and Statistics in BIOLOGICAL SCIENCES*)** |  |
| **OTHER FIELDS** |  |  |
| **980 Social Work** | **989 Other** |  |