Purpose: Non-federal Postdoctoral Fellowships in Organogenesis have been established through a combined program funded by the University of Michigan Medical School and Dental School. The goal of this Fellowship Award is to provide $40,000 to support a postdoctoral fellow who holds a Ph.D., M.D. and/or D.D.S. degree and wishes to undertake a research project in the field of Organogenesis. Interdisciplinary projects (crossing departmental or School lines) are encouraged. Criteria used to evaluate applications include the strength of the project proposed, the strength of the trainee and mentors, its feasibility and the likelihood of a successful outcome, and the degree to which the project fits the goals of the Center for Organogenesis. Applicants do NOT need to be U.S. Citizens or permanent residents of the U.S.

Organogenesis Mission Statement: The mission of the Center for Organogenesis is to provide an infrastructure for the study of organogenesis at the University of Michigan. The field of Organogenesis unites research in the clinical, basic science, and applied arenas with a common, directed goal: To understand the basic mechanisms by which organs are formed and maintained and to use this knowledge to regenerate or replace damaged or diseased organs. The following research focus areas have been defined:
- Stem Cell Biology
- Organ Development
- Tissue Engineering and Organ Regeneration/Replacement
- Organ Injury and Disease

Eligibility:
1) The candidate must have a Ph.D. and/or D.D.S or M.D. degree and hold a position as a postdoctoral fellow or clinical resident at the University of Michigan.
2) The funded candidate must be within their first to fourth year of training since terminal degree
3) The primary mentor must be a Center for Organogenesis faculty member.
4) The candidate must outline a research project that fulfills the goals of this program.
5) The candidate must pledge to participate in all aspects of the Training Program.
6) (Optional) The candidate should identify a secondary mentor and describe how they will participate in the training/research project. Applications that take advantage of a secondary mentor are considered a strength.
7) Participation of mentor/co-mentor and participation of prior trainees of mentors will be part of the evaluation process.
Mentor requirements: The primary mentor must be a member of the Center for Organogenesis and a Mentor on the Organogenesis Training Grant. Primary faculty mentors must have an active research program with sufficient funds to provide continuous support for a trainee. Potential faculty mentors who are not already listed as Organogenesis training grant mentors may apply for mentorship simultaneously with the NIH fellowship submission (please contact organogenesis@umich.edu for an application). A secondary mentor is optional. The secondary mentor must hold a faculty appointment at the University of Michigan and does not need to complete a membership application. The mentor and co-mentor must provide a recent NIH style Biosketch and Other Support pages.

The mentor(s) must provide a letter describing:
   a) The trainee’s strengths and appropriateness for the award.
   b) The involvement of the laboratory/laboratories in the training program; the mentor(s) must state what aspects of the training they will be involved in, describing specifically the elements of the laboratory setting or areas of expertise that are important to the success of the project. (If more than one mentor, why is each mentor involved? How will the trainee benefit from the interaction with the two mentors rather than one?)
   c) The procedures that will be followed by the mentor(s) to monitor trainee progress and deal with unexpected findings.
   d) Recommendations for composition of the mentoring committee for the candidate (suggest two faculty mentors and state why they are appropriate).

Trainee requirements: In addition to the letters from mentor(s), the trainee must provide two additional letters of recommendation. The letters should address the trainee’s academic qualifications, intellectual strengths and probability for success in carrying out an interdisciplinary project. All recommendation letters must be received by the application deadline date. The trainee should submit an updated Curriculum vita with this application.

Project description: A description of the project and its interdisciplinary components should be prepared by the trainee. The project must fall into one or more of the four core research areas designated under the umbrella of the Training Program in Organogenesis (see Mission Statement). The project description should be no longer than 4 pages (3 pages of text plus 1 additional page for figures and tables) using standard NIH formatting (0.5 inch margins, single spaced, 11 point Helvetica or Arial font) and should include the following sections:

   a) Specific Aims (1 page)
   b) Significance/Scientific Rationale and Innovation (approx. 0.5 page)
   c) Research plan, including experimental Approaches and Limitations (approx. 1.5 pages)
   d) Figures and figure captions and/or tables (1 page)
   e) Complete references should be attached, but should not be counted as part of the page limit. In preparing reference lists, article titles must be included.

Failure to adhere to these requirements will lead to exclusion of the application.

Copies of relevant publications by the trainee may be submitted as an appendix.

Successful applicants will be required to:
   • Attend Organogenesis monthly trainee meetings
   • Attend and participate in the Organogenesis seminar series.
   • Attend lectures in CDB 582/583 “Stem Cells in Organogenesis and Regenerative Medicine” held during Winter term.
   • Present a poster at the International Symposium on Organogenesis.
   • Complete all postdoctoral requirements for Responsible Conduct of Research (PIBS 503).
   • (Optional) Select a clinical co-mentor who will guide translational experiences.
   • Give a research presentation.
Application Form
Non-Traditional Postdoctoral Fellowship in Organogenesis

Applicant Name ____________________________________________________________

Department ______________________________________________________________

Title of Proposal ___________________________________________________________

Campus Address/Box _______________________________________________________

Campus Phone __________________________

Applicant’s Email Address ___________________________________________________

Applicant’s Country of Citizenship __________________________________________

If funded, name, address & phone number of administrative contact in your department:

Primary Mentor ___________________________ Department ______________________

Title ____________________________

Campus Address/Box _________________________

Campus Phone __________________________ Email address _______________________

Co-Mentor ___________________________ Department ______________________

Title ____________________________

Campus Address/Box _________________________

Campus Phone __________________________ Email address _______________________

Updated: 2/17/2020
1. Research Area:

State which of the following research areas best describes your project:

1. Stem Cell Biology
2. Organ Development
3. Tissue Engineering and Organ Regeneration/Replacement
4. Organ Injury and Disease

2. Project description:

Attach a description of your project as defined on page two of the guidelines.

3. ☐ Check here if this project involves Human Subjects. Provide IRB numbers and approval dates  

☐ Check here if this project involves Animal Use. Provide UCUCA numbers and approval dates

4. Relationship of the project to the goals of the Training Program in Organogenesis
Describe briefly how your project meets the Training Program in Organogenesis guidelines as an interdisciplinary research project in Organogenesis. (use additional sheets if necessary)

5. Please attach a CV.

6. ☐ I am currently supported by another fellowship. This will expire on _____________

☐ I am not currently or will be supported within the next two months on any other fellowship

☐ I am also applying to other fellowships (please list below).

7. Country of citizenship: ________________________________

8. Primary Mentors only:

☐ We currently have a trainee supported by the Center for Organogenesis

☐ We do NOT currently have a trainee supported by the Center for Organogenesis

9. Signatures:

Applicant______________________________________________________________________________

Mentor_________________________________________________________________________________

Co-Mentor______________________________________________________________________________
Application Checklist

* Application Form (completed & signed by all)
* Project Description
* Trainee CV
* Publications (if applicable)
* Participating Mentor(s): * NIH Biosketch, * Other Support,

* Participating Mentor(s) Letters of Support plus Two additional letters of support

Send one complete PDF of your application, Mentor Biosketches and Mentor Other Support to organogenesis@umich.edu.

Mentor letters of Support and two (2) reference letters can be mailed or emailed separately to:

Center for Organogenesis
University of Michigan Medical School
109 Zina Pitcher Place, 2058 BSRB
Phone (734) 936-2499
organogenesis@umich.edu