

REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-0188

Public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Washington Headquarters Service, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188) Washington, DC 20503.

PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.

1. REPORT DATE (DD-MM-YYYY) 4/15/2020		2. REPORT TYPE Interim Technical Report		3. DATES COVERED (From - To) January 2020 – March 2020	
4. TITLE AND SUBTITLE Development of Medical Technology for Contingency Response to Marrow Toxic Agents – Interim Technical Report with SF298 January 1, 2020 – March 31, 2020			5a. CONTRACT NUMBER N/A		
			5b. GRANT NUMBER N00014-18-1-2888		
			5c. PROGRAM ELEMENT NUMBER N/A		
6. AUTHOR(S) Spellman, Stephen			5d. PROJECT NUMBER N/A		
			5e. TASK NUMBER Project 1, 2, 3, 4		
			5f. WORK UNIT NUMBER N/A		
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) National Marrow Donor Program 500 N. 5 th St. Minneapolis, MN 55401-1206				8. PERFORMING ORGANIZATION REPORT NUMBER N/A	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES) Office of Naval Research 875 N. Randolph Street, Suite 1425 Arlington VA 22203-1995				10. SPONSOR/MONITOR'S ACRONYM(S) ONR	
				11. SPONSORING/MONITORING AGENCY REPORT NUMBER N/A	
12. DISTRIBUTION AVAILABILITY STATEMENT Approved for public release; distribution is unlimited					
13. SUPPLEMENTARY NOTES N/A					
14. ABSTRACT <p><u>1. Contingency Preparedness:</u> Collect information from transplant centers, build awareness of the Transplant Center Contingency Planning Committee and educate the transplant community about the critical importance of establishing a nationwide contingency response plan.</p> <p><u>2. Rapid Identification of Matched Donors:</u> Increase operational efficiencies that accelerate the search process and increase patient access are key to preparedness in a contingency event.</p> <p><u>3. Immunogenic Studies:</u> Increase understanding of the immunologic factors important in HSC transplantation.</p> <p><u>4. Clinical Research in Transplantation:</u> Create a platform that facilitates multicenter collaboration and data management.</p>					
15. SUBJECT TERMS Research in HLA Typing, Hematopoietic Stem Cell Transplantation and Clinical Studies to Improve Outcomes					
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT U	b. ABSTRACT U	c. THIS PAGE U			Steven Devine, MD – Chief Medical Office
				2	19b. TELEPHONE NUMBER (Include area code) 763-406-8239

Grant Award N00014-18-1-2888

DEVELOPMENT OF MEDICAL TECHNOLOGY
FOR CONTINGENCY RESPONSE TO MARROW TOXIC AGENTS
FINAL RESEARCH PERFORMANCE REPORT
SUBMITTED April 15th, 2020

Office of Naval Research

And

The National Marrow Donor Program®

500 5th St N

Minneapolis, MN 55401

PI: Steven Devine, M.D.

National Marrow Donor Program

N00014-18-1-2888

This Grant is completed and ready to close out, with minimal activity during Quarter 2, January 1 – March 31, 2020.

1. **Contingency Preparedness:** No activity to report
2. **Development of Science and Technology for Rapid Identification of Matched Donors:**
Facilitated the HLA typing of 2,705 newly registered volunteer donors.
3. **Immunogenetic Studies in Transplantation:** No activity to report
4. **Clinical Research in Transplantation:** No activity to report