Task Book Report Generated on: 03/29/2024

| Prisent: Carterine, James A. Ph.D. Project Title: Countermeasure for Managing Interpresental Conflicts in Space: A Continuation Study Program Discipline: Ituman Research Program Discipline: SSBRI - Nourobehavioral and Psychosocial Factors Toom Joint Agency Name: Tech Port: Yes Human Research Program Element: (1) BMPg Behavioral Health & Performance (archival in 2017) Human Research Program Risko: (1) BMPg Behavioral Health & Performance (archival in 2017) Human Research Program Risko: (1) BMPg Behavioral Health & Performance (archival in 2017) Human Research Program Risko: (1) BMPg Behavioral Health & Performance (archival in 2017) Human Research Program Risko: (1) BMPg Behavioral Health & Performance and Bhavioral Conditions and Psychiatric Disorders Space Biology Cross-Element Discipline: None Space Biology Special Category: None PI Famali: None Space Biology Special Category: None PI Famali: Program Advanced Carterian Risko: (1) Proposed Department of Psychiatry Risko and Women's Hospital/Harvard Medical Carter Programization Type: Only Program in Behavioral Informatics and Health PI Address 1: Program in Behavioral Informatics and Health PI Address 2: Program in Behavioral Informatics and Health PI Address 2: Program in Behavioral Informatics and Health PI Address 3: Program in Behavioral Informatics and Health Program in Behavioral Informatics and Women's Hospital/Harvard Medical Carter Program Share School State: MA Zip Code: Sta | Fiscal Year: | FY 2009 | Task Last Updated: | FY 07/17/2009 |
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| Prission Name: Human Research NSBRI | PI Name: | Cartreine, James A. Ph.D. | | |
| Program/Discipline: Program/Discipline- Element/Subdiscipline Silvenner/Subdiscipline Joint Agency Name: Joi | Project Title: | Countermeasure for Managing Interpersonal Conflicts in Space: A Continuation Study | | |
| Program/Discipline- Elements/Undiscipline- Diant Agency Name: TechPort: Yes | Division Name: | Human Research | | |
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| Space Biology Cross-Element Discipline: Space Biology Special Category: None PI Email: jeartreine@grancers.org Fax: FY PI Organization Type: UNIVERSITY Phone: 617-851-8913 Organization Name: Brigham and Women's Hospital/Harvard Medical Center PI Address 1: Program in Behavioral Informatics and ellealth PI Address 2: Department of Psychiatry PI Web Page: City: Boston State: MA Zip Code: 02215 Congressional District: 8 NOTE: PI moved to Brigham and Women's Hospital: formerly at Beth Israel Deaconcess Medical Center, Boston, MA, per info received December 2011 (Ed.) Name change to Cartreine in summer 2008 (from Carter), per NSBRI information (110/8) Project Type: GROUND Solicitation / Funding 2007 Crew Health NNJ07ZSA002N Start Date: 09/01/2009 End Date: 08/31/2013 No. of PhD Candidates: No. of Master's Degrees: No. of Bachelor's Degrees: No. of Bachelor's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: No. of Bachelor's Candidates: No. of Bachelor's Candidates: No. of Bachelor's Candidates: Solicitation Funding 2007 Crew Health NNJ07ZSA002N Solicitat | Human Research Program Risks: | (2) Team: Risk of Performance and Behavioral Health Dec | rements Due to Inadequa | |
| Discipline: "None Space Biology Special Category: None PI Email: icatroin@pathers.org Fax: FY PI Organization Type: UNIVERSITY Phone: 617-851-8913 Organization Name: Brigham and Women's Hospital/Harvard Medical Center PI Address 1: Program in Behavioral Informatics and eHealth PI Address 2: Department of Psychiatry PI Web Page: City: Boston State: MA Zip Code: O2215 Congressional District: 8 NOTE: PI moved to Brigham and Women's Hospital; formerly at Beth Israel Deaconess Medical Center, Boston, MA, per info received December 2011 (Ed.) Name change to Cartreine in summer 2008 (from Carter), per NSBRI information (11/08) Project Type: GROUND Solicitation / Funding Source: 08/31/2013 No. of Post Docs: No. of Master' Degrees: No. of Post Docs: No. of Master' Degrees: No. of Abaster's Candidates: No. of Master' Degrees: No. of Bachelor's Candidates: No. of Bachelor's Degrees: No. of Bachelor's Candidates: No. of Bachelor's Degrees: Flight Assignment: Key Personned Changes/Previous PI: COI Name (Institution): Brady, Joseph (Johns Hopkins University School of Medicine) Greenhalgh, Leonard (Dartmouth College) Buckey, Jay (Dartmouth Medical School) Grant/Contract No: NCC 9-58-NBPF01603 Performance Goal No.: | Space Biology Element: | None | | |
| PI Email: | | None | | |
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Task Book Report Generated on: 03/29/2024

Some amount of interpersonal conflict is expected on long-duration missions, whether between crew members or between the crew and the ground. However, severe conflicts can interfere with mission success and even safety. Severe, ongoing conflicts have been reported on long-duration space missions, Antarctic expeditions and a recent long-duration space mission simulation. Nonetheless, empirically-supported tools to help crews prevent, assess and manage interpersonal conflicts have not been developed. This study addresses Bioastronautics Roadmap Risk 24: Human Performance Failure Due to Poor Psychosocial Adaptation.

The investigators have begun development of an interactive multimedia portal to help long-duration flyers prevent, detect, assess and manage their own psychosocial problems. This work has been supported by two NSBRI grants. In the first grant, program architecture was developed to organize the types of content and experiences users can find in the portal. Sample content about depression and interpersonal conflict was also developed as a prototype to demonstrate how training could be delivered through the system. The second NSBRI grant was to complete and evaluate the depression content, including self-treatment of depression.

The present project will design and produce an interactive media intervention program to assist persons manage real, ongoing conflicts on long-duration missions. A preliminary evaluation of the conflict intervention will be conducted in a variety of settings where individuals live, train and work together: fire departments and university residence halls. It will also be evaluated in two NSBRI-supported mission simulations when conflicts arise. The goal of this preliminary evaluation is to gather data on response rate, sample characteristics and effect size, in preparation for a randomized, controlled trial.

Rationale for HRP Directed Research:

Research Impact/Earth Benefits:

Task Description:

Task Progress: New project for FY2009.

Bibliography Type: Description: (Last Updated: 02/11/2021)