

**SUPERFUND RESEARCH PROGRAM CENTER (RFA-ES-23-001)**

**Examples of Tables for RFA-ES-23-001**

**Illustration 1. Table of Integration with Center.** To assist the reviewers in determining the relationship between components, a table should be provided showing interactions between projects and cores (by project title and project/core leader) and the purpose of the interaction for the achievement of the Center's overall objectives. Applicants are encouraged to use a systems approach to identify problem-solving leverage points the Center will address. This table should be provided as a pdf file titled "Table of Integration with Center."

<b>Integrated Research Goals</b>	<b>Project 1 (BMR)</b>	<b>Project 2 (BMR)</b>	<b>Project 3 (BMR)</b>	<b>Project 4 (ESE)</b>	<b>Project 5 (ESE)</b>	<b>Core A</b>	<b>Core B</b>	<b>Explanation of Integration</b>
Finding targets and endpoints of X exposure	x		x			x		Results from Project 1 will determine the dose ranges for Project 3. Core A will determine gene networks activated for early biomarker of exposure in Projects 1 and 3.
Pathways of exposure prevention		x	x					Project 2 will identify gene targets for potential interventions (Project 3).
Targets for remediation	x			x	x		x	Project 1 and Core B will screen and identify the most toxic metabolites to inform Project 4 and 5 of which metabolites to monitor and remediate.
Fate and transport of X				x	x			Projects 4 and 5 will share sediment samples from the contaminated and control sites and will determine sensor technology predicts bioavailability.
Remediation effectiveness	x				x			Project 1 will run toxicity tests of byproducts of remediation technology (Project 4).
Analytical Support		x	x	x	x		x	Core B analysis of compound X for Projects 2-5.
	x	x			x		x	Core B analysis of compound Y for Projects 1-2, 5.
Biomarker monitoring			x	x				Project 4 will develop protocols to test sensor for external dose as well as biomonitoring for Project 3.

Project 1: (Title, PI Name); Project 2: (Title, PI Name), etc.

**Illustration 2. Table of End-user Engagement and Field Sites.** To assist the reviewers in identifying significant project and core interactions with key end-users and field sites a table should be provided showing which projects and cores interact with which end-users/field sites as well as the type of interaction/activity (see examples below in table). End-users would include local/state/federal government organizations, non-government organizations, community organizations/groups, other end-users) with significant ongoing and/or planned interactions. Field sites would include Superfund or other hazardous waste sites or other study/research sites. Applicants are encouraged to cross-reference sections of the application where more details are provided. Applicants may wish to use an asterisk (\*) to note if a letter of support is provided in the application. This table should be provided as a pdf file titled " Table of End-users and Field Sites."

Note: Please do not name specific individuals, just provide the name of the end-user organization/group. For large Federal Agencies/Organizations, please identify the Office/Region/Department.

End-user/Field Site	Project/Core	Type of Interaction **	Status of Interaction (Ongoing/Planned)
End-user Organization #1 (* letter of support in Admin Core)	Admin Core	Communication: key point of contact for coordination of activities	Ongoing
	Project 1	Communication: providing expert consultation on ongoing toxicity studies	Ongoing
Community Organization #1 (* letter of support in CEC)	Community Engagement Core (CEC)	Community Engagement: partnership on several initiatives to identify prevention/intervention strategy	Ongoing
Field Site #1 (* letter of support in Project 2)	Project 2	Research: Collection of soil samples for off-site analysis	Planned
	Project 4	Research: epidemiology study of the adjacent community	Planned
	CEC	Community Engagement: coordinating quarterly meetings between SRP-researchers and community	Ongoing
Government Agency #1 Office of X/Department of Z	Project 3 DMAC	Research: data sharing and integration with existing agencies' database	Planned
End-User #1	Project 2	Technology Transfer: working to adapt new remediation technology to sites managed by End-User #1 purview	Planned
...etc.			

\*\*For type of interaction, please use the following categories (Research, Technology Transfer, Communication, Community Engagement) with a brief description of the type of interaction.

Research interactions may include e.g.: collection/sharing of samples for research or analysis; epidemiology study; basic / toxicology study; fate and transport study; ecology study / monitoring; modeling (e.g. biological or environmental); development of remediation approach / technology

Technology Transfer interactions may include e.g.: application of a new remediation technology; application of a new monitoring/detection technology; application of an intervention strategy; other efforts to transfer research results to an end-user

Communication interactions may include e.g.: information dissemination; providing expert consultation; science-based policy development; data sharing and/or database development/integration; sharing experimental protocols or best lab practices; other training, educational aids, or curricula

Community Engagement interactions may include e.g.: application of an intervention/prevention activity; evaluation / survey instruments; community meetings; other community partnership

**Illustration 3: Table of Research Support and Data Management and Analysis Core Utilization.** To assist the reviewers in determining the relationship between the Research Support Cores and the Research Projects, a table should be provided that indicates the percentage use of each core relative to the individual projects. Centers may include the Data Management and Analysis Core in this table. This table should be loaded as a pdf file titled "Table of Research Support and Data Management and Analysis Core Utilization" under the "SF424 (R&R) Research & Related Other Project Information" under "Other Attachments" in the Overall section. (Note: the Data Management and Analysis Core is required for all P42 applications; the Research Support Cores are optional.)

In this example, the Center reports utilization of its Data Management and Analysis Core as well as two (2) Research Support Cores.

<b>Research Projects</b>	<b>Data Management and Analysis Core</b>	<b>Research Support Core A: Analytical Core</b>	<b>Research Support Core B: Statistics</b>
Research Project 1	20%	50%	0
Research Project 2	20%	0	0
Research Project 3	20%	50%	30%
Research Project 4	20%	0	70%
Admin Core	5%	0	0
Research Experience and Training Coordination Core	5%	0	0
Community Engagement Core	5%	0	0
Research Support Core A	2.5%	N/A	0
Research Support Core B	2.5%	0	N/A

**Illustration 4: Table of Changes to Projects and Cores.** To assist review of renewal/resubmission applications, a table should be included that lists projects and core components (by project title and project/core leader) denoting which projects are new, continuing, substantially modified, finished/completed, or discontinued. This table should coincide in order and number with the projects and cores in the current application. Also, the applicant should indicate which projects are considered BMR and which are considered ESE research (including which ESE project addresses SRP's fourth mandate). ASSIST assigns projects/cores consecutively; therefore, when numbering projects and cores, numbering must not be skipped if a project from a previous funding period is discontinued in the renewal application. Please label in the following format: new = N; continuing = C; substantially modified = M; finished/completed = F; or discontinued = D. This table should be provided as a pdf file titled "Table of Changes to Projects and Cores".

Current Project Number/Core Name	Project/ Core Status*	Project Core Leader	Title of Project/Core	Biomedical (BMR) or Environmental Science and Engineering (ESE)**	Previous Project Number/Core Name
Project 1	C	Georgia Matisse	Markers of Exposures to Mixtures	BMR	Project 1
Project 2	N	Pablo Braque	Individual Susceptibility to Disease Risk	BMR	New
Project 3	C	Ansel Modigliani	Redistribution of PAHs	ESE	Project 3
Project 4	M	Georges Picasso	PAH Remediation	ESE Mandate 4	Project 5
Administrative Core	C	Georgia Matisse	Administrative Core	-	Administrative Core
Data Management and Analysis Core	C	Juan Monet	Data Management and Analysis Core	-	Data and Biostatistics Core
Community Engagement Core	M	Claude Kollwitz	Community Engagement Core	-	Community Engagement Core
Research Experience and Training Coordination Core	N	Georges Picasso	Research Experience and Training Coordination Core	-	Training Core
Core A	C	Kathe Pollack	Biomarker Core	-	Core A
Discontinued	F	Claude Pollock	Molecular Effects of Low Level Exposures	BMR	Project 2

\* Please label in the following format: new = N; continuing = C; substantially modified = M; finished/completed = F; or discontinued = D.

\*\* For research projects only

**Illustration 5: Table of Research Approaches.** To facilitate the identification of projects and cores, a table should be included indicating the use of human subjects, clinical research, vertebrate animals, international collaborations, large scale genomics, and stem cells. Please list all research projects and cores. This table should be loaded as a pdf file titled "Table of Research Approaches" under the "SF424 (R&R) Research & Related Other Project Information" under "Other Attachments" in the Overall section.

<b>Project Number or Core Letter</b>	<b>Human Subjects*</b>	<b>Clinical Trial</b>	<b>Vertebrate Animals</b>	<b>International Collaborations</b>	<b>Stem Cell Research**</b>	<b>NIH-Required Sharing***</b>
Project 1	Yes	Yes	Yes	Yes	No	No
Project 2	Delayed Onset	No	No	No	non-hESC	Yes - GWAS
Project 3	No	No	Yes	Yes	Yes	Yes - Omics
Project 4	No	No	No	No	No	No
Core A	Yes	No	Yes	Yes	No	Unique Model Organism
Community Engagement Core	Delayed Onset (Survey)	No	No	Yes	No	No

\* Please indicate if the study is delayed onset (for more information about delayed onset and studies involving human subjects, please visit: <https://humansubjects.nih.gov/>)

\*\* Please indicate whether the project/core involves Stem Cell research and indicate "Yes" for projects that utilize cells from the [NIH Human Embryonic Stem Cell Registry](#); "non-hESC" for research that involves stem cells that are not considered hESC because of origin of cell type; and "no" for research that does not involve stem cells.

\*\*\* Please indicate whether the project/core involves NIH-required data/resource sharing ([Sharing Model Organisms](#) and [Genomic Data Sharing](#)) such as Genome-Wide Association Studies (GWAS), other 'omics data, generation of unique model organisms

**Illustration 6: Trainee List.** In order to assist the review, a "Trainee List" is required in the Research Experience and Training Coordination Core (RETCC) Progress Report attachment for competitive renewal applications. In the "Trainee List," it is important that the application identify graduate student and postdoctoral researchers who participated in the RETCC during the previous funding cycle. (The SRP considers "trainees" as graduate students and post-doctoral researchers that perform research/activities that are supported by the Center.) This list should be in tabular form and include the names of the trainees, their SRP Center-associated mentor name, and project/core. Also, please indicate in the application that the trainee information has been entered into the [NIH CareerTrac database](#) (Note: All trainees should be entered into the NIH CareerTrac database)

<b>Name of Trainee</b>	<b>Position Title (i.e., Graduate Student or Post-Doc)</b>	<b>Project Number/ Core Name</b>	<b>Mentor Name*</b>	<b>Current Status**</b>
Dr. Esperanza Jones	Post-Doc	Project 1	Dr. Ella Davis	In Training
Ms. Diana Coltrane	Master's student	Project 2	Dr. Louis Holiday	In Training
Dr. Winslow Spalding	Post-Doc	Project 3	Dr. Dean Armstrong	Complete
Dr. Nora Vaughan	Post-Doc	Project 3	Dr. Miles Fitzgerald	Other
Mr. Stan Renoir	PhD Student	Project 4	Dr. Etta Martin	Complete
Dr. John Getz	Post-Doc	Project 5	Dr. Billie Johnson	In Training
Dr. Sarah Krall	Post-Doc	Community Engagement Core	Dr. Robert James	Complete
(.....continued)	(.....continued)	(.....continued)	(.....continued)	(.....continued)

\* The graduate student/Post-Doc's designated mentor should be listed here, which may be different from the Project/Core Leader listed on the grant application.

\*\* For those trainees that did not complete the full duration of the training experience, please list "Other".

Note: NIH requires listing of trainees on grant applications and progress reports for whose level of effort on the project/activity is equivalent to one month or more, regardless of the funding source.

**Last Updated: March 2023**