rev. 12/18/24



NIH Single Project, Competitive Grant Application Checklist R01/R03/R21/R24/R33/R34/R35/RC2/RF1/R50/R61/ DP1/DP2/U01/U24/UG1/UG3/UH3/UM1

GCO is highlighting particular fields & sections that are prone to error. This checklist does NOT comprise the entirety of the SF424 application. Please consult the NIH SF424 Guide plus additional Mount Sinai resources below.

Please use this checklist with GCO's Overall Application Submission Checklist.

Please read the NIH SF424 Guide for instructions.

Please review the NIH annotated from set for quick reference.

Notice of Funding Opportunity (NOFO) instructions always supersede these instructions.

GCO ASC Checklist

NIH SF424 Guide

NIH Annotated Form Set

NIH Sample Applications

Principal Investigator(s):

Proposal Title:

NOFO#:

■ISMMS Standardized Language - Grant Application Resource Center

Overall

All sections must conform to these instructions.

The NIH has very specific attachment formatting requirements. Failure to follow these requirements may lead to application errors upon submission or withdrawal of your application from funding consideration.

- [] Citations: Remember to comply with our public access policy by including the PMC reference number (PMCID) when citing applicable papers that you author or that arise from your NIH-funded research.
- [] Filenames: Save all document attachments with descriptive filenames of 50 characters or less (including spaces).
- [] Use unique filenames for all attachments in an application (or within a component of a multi-project application).
- [] Use any of the following characters: A-Z, a-z, 0-9, underscore, hyphen, space, period, parenthesis, curly braces, square brackets, tile, exclamation point, comma, semi colon, apostrophe, at sign, number sign, dollar sign, percent sign, plus sign, and equal sign.
- [] If including spaces, use one space (not two or more) between words or characters and do not begin the filename with a space or include a space immediately before the .pdf extension.
- [] Avoid the use of ampersand (&) since it requires special formatting (i.e., &).
 - When saving the individual files this naming convention can be used:
 - Last Name Application Section Mechanism Date. Example: Jones Abstract R01 100522
- [] File Size: Ensure file size is greater than 0 bytes the NIH does not accept a 0 byte attachment. Keep attachment file size to 100 MB or less.
- [] Headers and Footers: Do not include headers or footers in any of your attachments. Headers, footers, page numbers, bookmarks, and a table of contents are added when the grant application is assembled upon submission.
 - Headings (e.g., Significance, Innovation) within the text of your attachments improve readability and are encouraged.
- [] Images: Digital images of material such as electron micrographs or gels must only be included within the page limits of the Research Strategy. The maximum size of images to be included should be approximately 1200 x 1500 pixels using 256 colors. Figures must be readable as printed on an 8.5" x 11" page at normal (100%) scale.
- Investigators must use image compression such as JPEG or PNG.
- Margins: Provide at least one-half inch margins (½") top, bottom, left, and right for all pages.
 - No applicant-supplied information can appear in the margins.
- [] Language and Style: Use English. (See 45 CFR § 75.111 English language)

45 CFR 75.111 link

- Avoid jargon. Spell out acronyms the first time they are used in each application section/attachment and note the appropriate abbreviation in parentheses. The abbreviation may be used in the section/attachment thereafter.
- [] Paper Size: Use paper (page) size no larger than standard letter paper size (8 ½" x 11").
- Security Features: Do not encrypt or password protect your documents.
 - Using these features to protect your documents prevents the NIH from opening and processing them.
- [] Single vs. Multi-column Page Format

	A single-column page format easily adapts to various screen sizes and is highly encouraged.
	Multi-column formats, especially for information spanning multiple pages, can be problematic for online review.
[]	<u>Video</u> : Videos cannot be imbedded in an application, but are accepted under limited circumstances as post-submission
	Material. See these notices. • NOT-OD-12-141 • NOT-OD-20-061
[]	Page Limits & Lines of Text Limits Table of Page Limits
	See Research Plan section of this checklist.
Fo	nt (size, color, type density) and Line Spacing
[]	Font: General Must be 11 points or larger.
	Smaller text in figures, graphs, diagrams and charts is acceptable, as long as it is legible when the page is viewed at 100%.
[]	Font: Recommended
	NIH recommends Arial, Georgia, Helvetica, Palatino Linotype fonts, although other fonts (both serif and non-serif) are
	acceptable if they meet the requirements of font size, type density, line spacing, and text color.
[]	Type density: Must be no more than 15 characters per linear inch (including characters and spaces).
[]	Line spacing: Must be no more than six lines per vertical inch.
[]	<u>Text color:</u> No restriction. Though not required, black or other high-contrast text colors are recommended since they
	print well and are legible to the largest audience.
[]	Resubmission Applications: The use of markups such as bracketing, indenting, highlighting, bolding, on NOT-OD-24-061
	italicizing, underlining, margin lines, change in typography, font, or font color, or any other type of markup should not be
	be used to identify changes. See "Introduction" section for additional instructions.
Ну	pertext, Hyperlinks, and URLs
[]	Do not use hypertext, hyperlinks, and URLs unless specifically noted in the NOFO and/or form field instructions.
	It is highly unusual for a funding opportunity to allow links in Specific Aims, Research Strategy, and • NOT-OD-20-174
	page-limited attachments.
PD	Fs
[]	Font : Checking after PDF conversion
• •	Some PDF conversion software reduces font size. It is important to confirm that the final PDF document complies with the
	font requirements.
[]	Combining Information into a Single Attachment: Ensure all information is directly visible in your PDF.
	If you need to combine information from different sources into a single document prior to uploading, do not use "bundling
	or "portfolio" features which combine multiple documents into a single file by providing links to the individual files.
[]	Electronic Signature
	Unflattened electronic signatures on PDF attachments within your application are not allowed.
[]	To adhere to policies requiring electronic signatures on PDF attachments (e.g., electronically-signed other support
	format pages), you can electronically sign the document and then "flatten" the PDF.
	See "Flattening PDF" tab for instructions.
	Documents with signatures (e.g., letters of support) can be printed, signed, scanned and attached in PDF format.
	GCO's Guidance document on signing Other Support pages provides instructions on electronic signatures. •GCO Guidance
	Please use the instructions in the GCO Guidance document for signing documents.
[]	Flattened PDFs: Many simple PDFs are already flattened. See tab for further instructions.
[]	Marking Up Attachments: Do not mark-up your PDF documents with comments, sticky notes, or other features that
	are added on top of your PDF document content. This information may not be retained in your final application image.
IJ	Scanning: Avoid scanning text documents to produce the required PDFs. It is best to produce documents using your
	word-processing software and then convert the documents to PDF. Scanning paper documents may hamper
	automated processing of your application for agency analysis and reporting.
	The NIH recognizes that sometimes scanning is necessary, esp. when including letters of support or other signed
r 1	documents on business letterhead.
	<u>Security</u> : Disable all security features in your PDF documents. <u>InfoEd</u> : Check and fix technical errors before submitting to the GCO. <u>InfoEd XML Validation Instructions</u>
ιJ	InfoEd: Check and fix technical errors before submitting to the GCO. Use the "XML Validation" and the "NIH Commons Validation Submit" features to check early for any technical errors
	OSE THE MINE VARIABION AND THE INTRODUCTIONS VARIABION SUBMINE TEATURES TO CHECK EARLY TO ANY LECHNICAL ETTOIS

which can delay your application from being accepted and can prevent it from being rejected by the funding agency .

	Section of Application	Format Restrictions		Resourc	es	
				NIH	ORS	GCO
					Roadmap	
SF	424					
	S2S Applications are pre-populated v	vith standard ISMMS info. P	oject dates an	d \$ amts d	are imported fr	om budget tab.
[]	4b. Agency Identifier Number					
	Are you applying for a Notice of Spe		OSI # (i.e., "NO)T-AG-21-⊦	###) in this field	
[]	8. Is this application being submitted	-	200 ah awa at aw	منامينام من		• GCO Guidance
[]	11. Descriptive Title of Applicant's P This is a Set Up tab question you ans		200 Character	s, including	g spaces and p	unctuation
[]	21. Cover Letter Attachment (option					
	Do not use the cover letter to comm		ent preference	es. The Ass	signment Reque	est Form is
	provided for that purpose.					
[]	A cover letter must not be included	with post-award submission	s, such as adm	inistrative	supplements,	change of grantee
	institution, or successor-in-interest.					
.,	The letter should contain any of the		plicable:			
	Application title and title of NOFO (F		and nature of t	ho dolov		e NIII Lete Delieu
	Late applications: Include specific in Changed/Corrected applications sub				It must evola	NIH Late Policy in the reason for
LJ	late submission of the changed/corr			-		
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	cover letter attachment. The system	• • • • • • • • • • • • • • • • • • • •		•		
	information previously submitted in	the cover letter as well as a	ny additional ir	nformation	ո.	
	Subaward budget components that		-	proposed	grant: Provide	explanation.
[]	Required Agency Approval Documer					
	If there is any required agency appro	•				. +l ff : -: - l
	Example: Approval for applications communication from an NIH official	·		menaea ti	nat you include	the official
r 1	Videos: When intending to submit a			formation	about the inte	ent to submit it
	If this is not done, the video will not					application Material
[]	Proposed studies that will generate					
	Sharing Policy: Include such a staten	nent			●NIH Ger	nomic Data Sharing
[]	Proposed studies that will involve hu			ortions (H	IFT), regardless	of whether or not
	Human Subjects are involved and/or				•	tal Tissue Research
	NIHGPS links	<u>Non-Transplantatio</u>				
01						Elective Abortions
Ot	her Project Info			Resourc	es	
			NIH		ORS	GCO
					Roadmap	
[]	6. Does this project involve activities	s outside of the United State	s	•GC	CO Foreign Con	nponents Guidance
	or partnerships with international co	ollaborators?		> 1'	V. Competitive	Grant Applications
[]	If yes, please include "foreign justific		ink for comple	te informa	ation.	
	Please check your letters of support					

[]	7. Project Summary/ Abstract8. Project Narrative9. Bibliography & References Cited	30 lines maximum 3 sentences maximum No page limit	Project SummaryProject Narrative	<u>VS</u>	
	Reminder: Active hyperlinks are not a Please review SF424 Instructions and	l/or excerpt in Bibliograp	-	d" tab.	
	10. Facilities & Resources Include the facilities for ISMMS and t Please put the applicable institution	at the beginning of the s		and include in one PD	
[]	11. EquipmentIf your application does not utilize ar12. Other Attachments	Required ny existing major equipment Attach a file to provide and/or agency specific	additional information	• •	-
	Partial Other Project Info questions a			le for instructions on (all the questions.
Pe	rformance Sites			sources	
			NIH	Research Roadmap	GCO
[]	Performance Sites: Report the prima	ary location and any othe	r locations at which t	the project will be pe	rformed.
[]	Include any VA facilities and foreign	sites. • GCO Foreign	Components Guidan	ce > IV. Competitive	Grant Applications
[]	Please check your letters of support See GCO link for foreign component		es page(s) for a site f	or performance site i	nformation.
Re	search Plan		Res	sources	
			NIH	Research	GCO
				Roadmap	
				Roadmap (RR)	
Pag	ge Limits: If page limits in the Notice o	of Funding Opportunity (NOFO) differ from in	(RR)	NOFO.
	ge Limits: If page limits in the Notice of earch Plan Section	of Funding Opportunity (NOFO) differ from in	(RR)	NOFO.
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Res	earch Plan Section 1. Introduction	1 page max F plication should only be o	or resubmission or re	(RR) If o below, follow the evision applications outline attachment.	nly ● <u>NOT-OD-24-061</u>
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[] Reminder: Use of hyperlinks and URLs are not allowed unless specified in the NOFO.

	Reminder: Make sure letters of support conform to font requirements in section above		
IJ	Reminder: Check to see if any collaborator/entity qualifies as a foreign component The NIH instructions are on the Letters of Support tab		
ГI	Reminder: Paper size must be 8.5 x 11"		
	Reminder - Do not overstuff. Applications may be rejected if information that does not follow the i	nstructions	are included
	Please see SF 424 or Letters of Support tab for complete instructions	isti actions	are meradec
	Reminder: Active hyperlinks are not allowed. See "Print to Image" for instructions on deactivating	hvnerlinks	
	10. Resource Sharing Plan(s) see Resource Sharing Plan tab or NIH SF 424 Guide	, per	
	11. Other Plan (s)		
•	. ,	pplication	Info > DMSP
	Applicants proposing to conduct research that will generate scientific data are subject to the NIH D		
	attach a DMS Plan.	,	
	The DMSP section on GCO's Application Information page has many valuable NIH, GCO, and other re	sources in	cluding
	training and sample language for the plan.		•
]	12. Authentication of Key Biological and/or Chemical Resources • Notice • Samples		
	pendix		
]	13. Appendix Max of 10 documents Notice		
	If more than 10 allowable appendix attachments are needed, combine the remaining info into attachment are needed, combine the remaining info into attachment are needed, combine the remaining info into attachment are needed.	nment #10	
	Use filenames for attachments that are descriptive of the content. Some NOFOs further restrict allo	wable app	endix
	materials (see notice above) and/or may specify that some materials must be provided in another p	art of the	application.
	Applications submitted to those NOFOs must follow instructions in the NOFO and must not put those	se items in	the Appendix
Ot	ther NIH Pages & Requirements Resources		
	NIH ORS	GCC	
1	Assignment Request Form (Optional)		
•	Use only if you wish to communicate specific awarding component assignments or review preferen	ces.	
	There is no requirement that all fields or all sections be completed. You have the flexibility to make		try or to
	provide extensive information using this form. Please consult the SF 424 Guide for instructions.	Ü	,
]	Biosketches 5 pages MAX • NIH Resource Site	GCO's Bio	sketch FAQs
	Complete for all key/senior personnel, including consultants, and other significant contributors.		
[]	eRA Commons ID requirement: add ID to InfoEd Inv. Profile or NIH Notice		
	Personnel tab > Sponsor Credential. See eRA Commons ID tab.		
[]	eRA Commons ID requirement applies to consultants. Does your consultant need an eRA Commons	ID? See Op	tion 3 in link
	Option 3 Senior/Key Person Who Aren't Affiliated With a	Registered	Organization
[]	You may provide a URL to a <u>full list</u> of your published work. This URL must be to a Federal Governm	ent websit	e (a .gov
	suffix). NIH recommends using My Bibliography. • My Bibliography		
[]	Reminder - Hyperlinks and URLs are not only allowed except to the full publication list as specified	above or if	specified in
	the funding announcement.		
[]			
	If citing interim products, do not include URLs. See acceptable example below.		
	Example: DOI: 10.1016/[investigator name].2026.101058		
1	Example: DOI: 10.1016/[investigator name].2026.101058 Budget		
IJ	Example: DOI: 10.1016/[investigator name].2026.101058 Budget Follow GCO's Application Submission Checklist (ASC) Instructions for InfoEd Budget Data Tab Entry	•	ASC Instruction
	Example: DOI: 10.1016/[investigator name].2026.101058 Budget Follow GCO's Application Submission Checklist (ASC) Instructions for InfoEd Budget Data Tab Entry for non modular (#17c) and modular grants (#17d). Modular budgets complete the Modular Budge		
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[] [] []	Example: DOI: 10.1016/[investigator name].2026.101058 Budget Follow GCO's Application Submission Checklist (ASC) Instructions for InfoEd Budget Data Tab Entry for non modular (#17c) and modular grants (#17d). Modular budgets complete the Modular Budge Enroll in GCO's Budgeting Classes (Live Webinars) Review NIH's Budget Resources Review Resources on Mount Sinai's Research Roadmap Review GCO's Budgeting SOPs DHHS Rate Agreement & Federal Split Rate Sponsored Projects	●GCO Buc ●NIH Re	get Training source Page
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	 Subawards: ISMMS as the Prime Institution 			
	 VA Appointments: Budgeting for Faculty Members with a VA A 	ppointment		
[]] Budget Justification			
[]	Non-Modular Grants: Follow SF424 Instructions. Include DMSP j	ustification even if none.		
	[] Modular Grants: Justify Personnel Only in "Personnel Justification			
•	Include DMSP justification even if none in the "Additional Narrat			
	Upload Subaward Justification in "Consortium Justification." If m			
	each year, justify in "Additional Narrative Justification." Add DM		the "Add	itional Narrative
	Justification."	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
1		NIH Supplemental instructions	O ln	foEd Instructions
. ,	Links to important NIH training and other resources are included			
٢1	Reminder - Review NIH definitions and take the NIH training. NI			
] Foreign Component		-	onents Guidance
	See Foreign Component tab and GCO Guidance link for complete			rant Applications
	Reminder - Review NIH definition, which is on the Foreign Comp	-	•	
	Places that foreign component information may be required and			ry brodu.
	Reminder - If you find it in any of the sections below, please be s			nfo > 6
۲1	[] Foreign collaborators may use a different paper size. Make sure		-	
	to follow all formatting guidelines outlined above.	the paper is 0.5 x 11 compilar	t on an ao	caments and
r 1	[] Other Project Info > 6. Does this project involve activities outside	of the United States or partne	archine wit	h international
	collaborators	e of the officed states of partie	i silips wit	ii iiitei iiatioilai
۲1		Letters of Support		
		Consortium Tab		
		Biosketch		
	[] Budget Justification []] Projects with Subawards	Letter of Support		
LJ	See Research Plan > Consortium/Contractual Arrangements sect.	ion ahoua		
۲1	[] Required Documentation - Please see Checklist>NIH Compet		IS as the D	rime Institution
	[] Foreign Subawards - Must use GCO Statement of Intent (SOI) or			
	See GCO's SOI Template for required language	merade required language on a		NOT-OD-23-182
٢1	[] Subawardee institutions may not have signed up all their key pe	rsonnel (e.g. consultant on the		
	eRA Commons user names. See Option 1 in link Senior/Key Pe			
Ωŧ	Other Information	Resources	ranegiste	rea Organization
] Orcid ID	• ORCID		
LJ	All key personnel to obtain and include their Orcid ID in the bios			
1	sirb	RECOT:		
LJ	If Yes, a sIRB plan is no longer required at the application phase	You will need to provide the	IRR during	IIT nhasa
	Do make sure to budget accordingly. See sIRB tab for more infor		IND during	g Jii pilase.
	ŭ .			
	nfoEd, Budget, and Compliance Application (PPHS/I	ACUC) Preparation		
GC	CO's Application Submission Checklist (ASC)			
	For a successful GCO Submission, these are the numbers on GCC)'s ASC that may apply to your រុ	oroject:	ASC Checklist
[]] 1, 2, 3, 4, 6, 7, 8, 9, 10, 11, 12, 15, 16, 17c or 17d, 18, 19, 21		(ASC Instructions
[]] 6. InfoEd Set Up and Tab Completion	<u>dnfoE</u>	d S2S Set	Up Instructions
[]] 17c. Budget (Non-Modular):			
	Enter complete detailed budget in InfoEd for each year as per in	structions in the SF424 Guide.		
[]] 17d. Budget (Modular):			
	Enter budget in InfoEd for each year; enter cumulative amounts	for all Other than Personnel Co	sts (OTPS)	, graduate studer
	costs, and all F&A excludable costs individually (e.g. equipment,	patient care costs). Enter modu	ıles in mo	dular budget tab.

• Students and Post Graduates on Research, Fellowship, and Training Grants

[]	Sponsor Credentials Field in the Personnel tab	
	For each senior/key personnel and Other Significant Contributor, enter the person's eRA Co	mmons ID in the Sponsor
	Credentials field.	
[]	Submit to the GCO. Only the PI can "finalize" the InfoEd application.	Finalize S2S Instructions
[]	Use the "XML Validation" and the "NIH Commons Validation Submit" features to check earl	y and fix any technical errors.
	Technical errors can delay and/or prevent your application from being accepted by the NIH.	See slides 4 -7 in the "Finalize

S2S Instructions" above.

Bibliography & References Cited

9. Bibliography & References Cited

Who must complete the "Bibliography & References Cited" attachment:

The "Bibliography & References Cited" attachment is required unless otherwise noted in the FOA.

Format:

Attach this information as a PDF file. See the <u>Format Attachments</u> page. Use of hyperlinks and URLs in this section is not allowed unless specified in the funding opportunity announcement.

Content:

See the following instructions for which references to include in the "Bibliography and References Cited" attachment.

Additional Instructions for Research:

The "Bibliography & References Cited" attachment should include any references cited in <u>G.400 - PHS 398 Research Plan Form</u> and in the <u>G.500 - PHS Human Subjects</u> and Clinical Trials Information form.

When citing articles that fall under the Public Access Policy, were authored or co-authored by the applicant, and arose from NIH support, provide the NIH Manuscript Submission reference number (e.g., NIHMS97531) or the PubMed Central (PMC) reference number (e.g., PMCID234567) for each article. If the PMCID is not yet available because the Journal submits articles directly to PMC on behalf of their authors, indicate "PMC Journal – In Process." NIH maintains a list of such journals.

Citations that are not covered by the Public Access Policy, but are publicly available in a free, online format may include URLs or PubMed ID (PMID) numbers along with the full reference.

Active hyperlinks in this section are not allowed. The references should be limited to relevant and current literature. While there is not a page limitation, it is important to be concise and to select only those literature references pertinent to the proposed research.

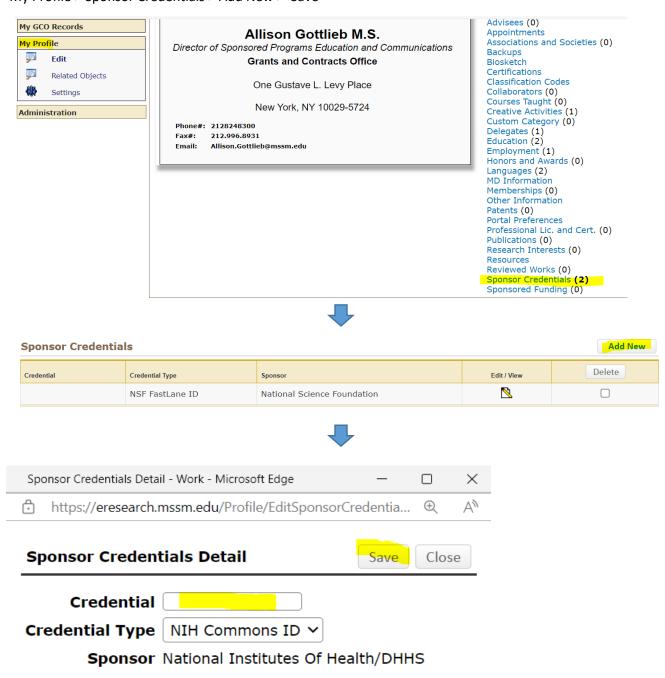
You are allowed to cite interim research products. Note: interim research products have specific citation requirements. See related <u>Frequently Asked Questions</u> for more information.

Inserting eRA Commons ID

The eRA Commons ID for key personnel can be inserted in one of these two places in InfoEd. The advantage of including on the Investigator's Profile page is that it will apppear on the "Personnel" tab of the InfoEd application.

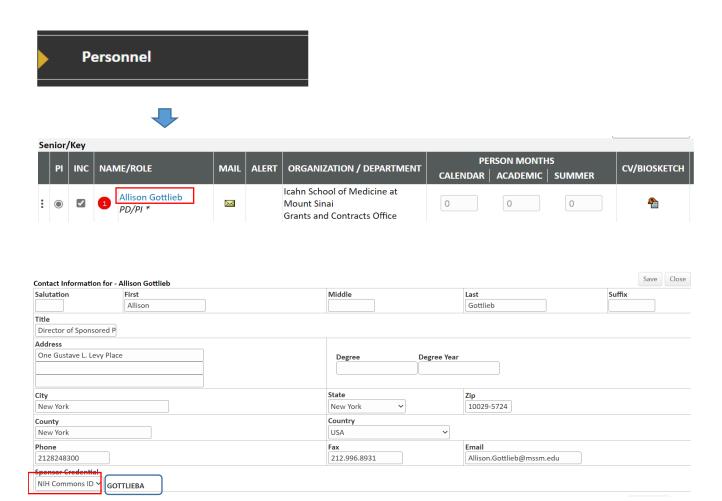
1. Profile Page

My Profile > Sponsor Credentials > Add New > Save



2. Personnel Tab of InfoEd Application

Personnel > [Investigator] > Sponsor Credential > NIH Commons ID > [Enter Commons ID]



Flattening PDFs

6. When submitting PDFs to eRA Commons, particularly for RPPRs and Just-in-Time, I am getting an error telling me to "ensure all files are flattened PDFs." What does "flattening" a PDF mean and how do you do it?

A PDF that has fillable fields, electronic signatures, text boxes or images inserted, becomes layered with each of these elements representing a layer. Flattening a PDF merges these separate elements into one flat layer. There are a number of methods to flatten a PDF, the easiest of which is to print it as a PDF.

To do this, go to File>Print, select the printer option from the menu that has a PDF option. Depending on the software available to you, the specific option may vary from the one shown below. Click the Print button and name the file.



Figure 1: A print dialog box with the Printer field set to Adobe PDF

In this process, you are exporting the layered PDF to the printer and saving it as a simple (flattened) PDF.

NIH Foreign Components Definition

Foreign component

The performance of any significant scientific element or segment of a project outside of the United States, either by the recipient or by a researcher employed by a foreign organization, whether or not grant funds are expended. Activities that would meet this definition include, but are not limited to, (1) the involvement of human subjects or animals, (2) extensive foreign travel by recipient project staff for the purpose of data collection, surveying, sampling, and similar activities, or (3) any activity of the recipient that may have an impact on U.S foreign policy through involvement in the affairs or environment of a foreign country. Examples of other grant-related activities that may be significant are:

- · collaborations with investigators at a foreign site anticipated to result in co-authorship;
- · use of facilities or instrumentation at a foreign site; or
- · receipt of financial support or resources from a foreign entity.

Foreign travel for consultation is not considered a foreign component. (See Grants to Foreign Organizations, International Organizations, and Domestic Grants with Foreign Components chapter in IIB).

Please refer to this GCO Guidance document for more information.

GCO Foreign Components Guidance > IV. Competitive Grant Applications

Letters of Support

9. Letters of Support

Content:

Attach a file with all letters of support, including any letters necessary to demonstrate the support of consortium participants and collaborators such as Senior/Key Personnel and Other Significant Contributors included in the grant application.

Letters should stipulate expectations for co-authorship, and whether cell lines, samples, or other resources promised in the letter are freely available to other investigators in the scientific community or will be provided to the particular investigators only.

For consultants, letters should include rate/charge for consulting services and level of effort / number of hours per budget period anticipated. In addition, letters ensuring access to core facilities and resources should stipulate whether access will be provided as a fee-for-service.

Material Transfer Agreements may be included in this section.

Letters must focus on the topics listed above and not contain data / figures / tables / graphs, preliminary data, methods, background and significance details that are expected to be found in Research Strategy section of the application. Letters of Support serve to describe terms of a collaboration or consultation and also are not de facto letters of reference from persons not actively participating in the project. Applications with letters containing such excess information may be withdrawn from the review process.

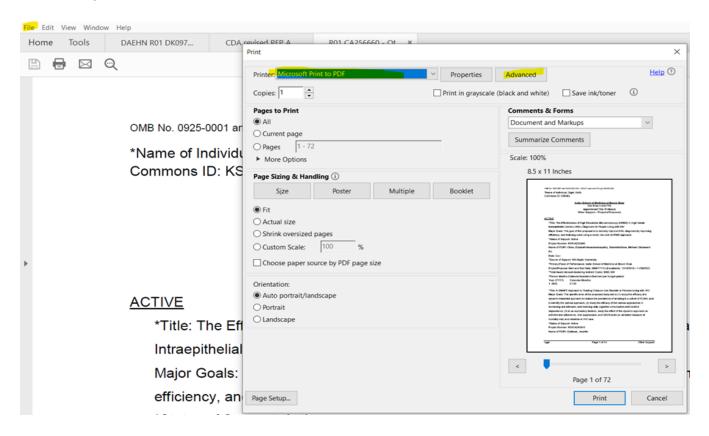
Letters are not required for personnel (such as research assistants) not contributing in a substantive, measurable way to the scientific development or execution of the project.

Do not include consultant biographical sketches in the "Letters of Support" attachment, as consultant biosketches should be in the "Biographical Sketch" section.

Print to Image

Printing to Image deactivates hyperlinks. Please follow these instructions.

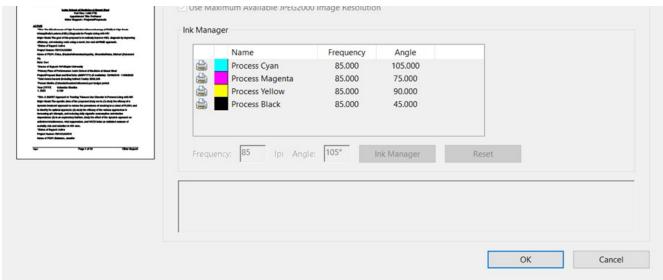
Step 1 - Go to File > Print to PDF > Advanced



Step 2 Click the box next to 'Print As Image' and set the dpi. For References, you may have to try different dpis to be sure you get a clear image.

Recommendation: Print at minimum of 300 dpi. Lower than 300 dpi produces blurry images.

ettings: Custom	~	Delete	Save As		
rinter: Microsoft Print to PDF		Print to File	Print As Image	300 V dpi	
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	Simulate Overpr				



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Resource Sharing Plan

10. Resource Sharing Plan(s)

Note: Effective for due dates on or after January 25, 2023, Data Management and Sharing (DMS) Plans are now included in Section 11. Other Plan(s). Plans for Genomic Data Sharing should be provided as part of the Data Management and Sharing Plan.

Format:

Attach this information as a PDF file. See NIH's Format Attachments page.

Content:

Sharing Model Organisms: Regardless of the amount requested, all applications where the development of model organisms is anticipated are expected to include a description of a specific plan for sharing and distributing unique model organisms or state why such sharing is restricted or not possible. **For more information**, see the NIH Grants Policy Statement, Section 8.2.3.2: Sharing Model Organisms.

Research Tools:

NIH considers the sharing of unique research resources developed through NIH-sponsored research an important means to enhance the value and further the advancement of the research. When resources have been developed with NIH funds, and the associated research findings published or provided to NIH, it is important that they be made readily available for research purposes to qualified individuals within the scientific community. For more information, see the Research Tools Policy on the NIH Scientific Data Sharing Website and the NIH Grants Policy Statement, Section 8.2.3: Sharing Research Resources.

Single IRB (sIRB)

Consider if a sIRB is required and decide if you would like ISMMS or an external IRB.

If you would like ISMMS to consider serving as the sIRB, PIs must consult with the PPHS regarding fees and include the cost in their budget.

- Please fill out the HRP-230 form and email to irb@mssm.edu for consideration at least two weeks prior to grant submission.
- If the ISMMS IRB agrees to serve as the sIRB, PPHS staff will provide sIRB fees to include in the budget and a letter of support from the PPHS Executive Director.
- Additional information is available at: https://icahn.mssm.edu/research/pphs/guidance/r2s
- E-Mail Jennifer.Kucera@mssm.edu with any questions.