

Sample RePORTER API Request Matching ExPORTER Project Files

Contents

Steps to run the RePORTER Project API request:	3
Project Search API Response and Weekly Exporter Project Data Mapping:.....	5
Sample API Request and Response	10

The purpose of the document is to provide a step-by-step guide for ExPORTER users who are not familiar with API requests.

Steps to run the RePORTER Project API request:

1. Launch V2 RePORTER API link at: <https://api.reporter.nih.gov/?urls.primaryName=V2.0>
2. Select the Version 2.0 and Expand v2/projects/search

The screenshot shows a blue header bar with a dropdown menu labeled "Select a version" and "V2.0". Below this is a "Search" section with a blue bar containing "POST" and the endpoint `/v2/projects/search`. To the right of the endpoint, it says "Retrieves Projects against specified criteria payload".

3. Locate and click the 'Try it out' button.

The screenshot shows the "Try it out" button highlighted in yellow. Above the button, it says "The response can be in JSON and is controlled by the 'Accept' request header." Below the button, there are sections for "Parameters" and "Request body". The "Request body" section has a dropdown menu set to "application/json". At the bottom, there are links for "Example Value" and "Schema".

4. Copy and paste the following API request, then click the blue 'Execute' button

```
{
  "criteria":
  {
```

```
"funding_mechanism":["SB","RP","RC","OR","TR","TI","CO","IM","IAA","SRDC","Other"],
"newly_added_projects_only": true,
},
"include_fields": [
  "AppId", "SubprojectId", "FiscalYear", "ProjectNum", "ProjectSerialNum", "Organization", "OrganizationType",
  "AwardType", "ActivityCode", "AwardAmount", "ProjectNumSplit", "PrincipalInvestigators", "ProgramOfficers",
  "AgencyAdmin", "AgencyFundings", "CongDist", "ProjectStartDate", "ProjectEndDate", "FullFoa", "FullStudySection",
  "AwardNoticeDate", "CoreProjectNum", "PrefTerms", "ProjectTitle", "PhrText", "SpendingCategoriesDesc", "ArraFunded",
  "BudgetStart", "BudgetEnd", "CfdaCode", "FundingMechanism", "DirectCostAmt", "IndirectCostAmt"
],

"offset":0,
"limit":25,
"sort_field":"project_start_date",
"sort_order":"desc"
}
```

Execute

Note: Value "Other" shall be used for searching of combined Funding Mechanisms "UK", "OT", and "CP".

5. Review or download the returned API response

Server response

Code	Details
200	<pre>{ "meta": { "search_id": null, "total": 1969, "offset": 0, "limit": 25, "sort_field": "project_start_date", "sort_order": "desc", "sorted_by_relevance": false, "properties": {} }, "results": [{ "appl_id": 10466688, "subproject_id": "9553", "fiscal_year": 2021,</pre> <p style="text-align: right;">Download</p>

Project Search API Response and Weekly Exporter Project Data Mapping:

API Response in JSON	ExPORTER Columns
{	
"appl_id": 10372367,	APPLICATION_ID
"subproject_id": null,	SUBPROJECT_ID
"fiscal_year": 2019,	FY
"project_num": "7R01DA040541-05",	FULL_PROJECT_NUM
"project_serial_num": "DA040541",	SERIAL_NUMBER
"organization": {	

"org_name": "FLORIDA INTERNATIONAL UNIVERSITY",	ORG_NAME
"city": null,	
"country": null,	
"org_city": "MIAMI",	ORG_CITY
"org_country": "UNITED STATES",	ORG_COUNTRY
"org_state": "FL",	ORG_STATE
"org_state_name": null,	
"dept_type": "MISCELLANEOUS",	ORG_DEPT
"fips_country_code": null,	
"org_duns": [ORG_DUNS
"071298814"	
],	
"org_fips": "US",	ORG_FIPS
"org_ipf_code": "513809",	ORG_IPF_CODE
"org_zipcode": "331992516",	ORG_ZIPCODE
"external_org_id": 513809	
},	
"award_type": "7",	APPLICATION_TYPE
"activity_code": "R01",	ACTIVITY
"award_amount": 334377,	TOTAL_COST/TOTAL_COST_SUB_PROJECT
"project_num_split": {	
"appl_type_code": "7",	
"activity_code": "R01",	
"ic_code": "DA",	
"serial_num": "040541",	
"support_year": "05",	SUPPORT_YEAR
"full_support_year": "05",	
"suffix_code": ""	SUFFIX
},	
"principal_investigators": [

{	
"profile_id": 10601669,	PI_IDS
"first_name": "Jason",	
"middle_name": "W",	
"last_name": "Mitchell",	
"is_contact_pi": true,	
"full_name": "Jason W Mitchell",	PI_NAMES
"title": null,	
"email": null	
}	
],	
"program_officers": [
{	
"first_name": "PETER",	
"middle_name": "",	
"last_name": "HARTSOCK",	
"full_name": "PETER HARTSOCK",	PROGRAM_OFFICER_NAME
"email": null	
}	
],	
"agency_ic_admin": {	ADMINISTERING_IC
"code": "DA",	
"abbreviation": "NIDA",	
"name": "National Institute on Drug Abuse"	IC_NAME
},	
"agency_ic_fundings": [FUNDING_ICs
{	
"fy": 2019,	
"code": "DA",	
"name": "National Institute on Drug Abuse",	

"abbreviation": "NIDA",	
"total_cost": 334377	
}	
],	
"cong_dist": "FL-26",	ORG_DISTRICT
"project_start_date": "2021-03-15T04:00:00Z",	PROJECT_START
"project_end_date": "2022-03-31T04:00:00Z",	PROJECT_END
"organization_type": {	
"name": "SCHOOLS OF PUBLIC HEALTH",	ED_INST_TYPE
"code": "10",	
"is_other": false	
},	
"full_foa": "PA-18-590",	FOA_NUMBER
"full_study_section": {	STUDY_SECTION
"srg_code": "ZRG1",	
"srg_flex": "",	
"sra_designator_code": "AARR",	
"sra_flex_code": "G",	
"group_code": "",	
"name": "Special Emphasis Panel [ZRG1-AARR-G(02)M]"	
},	
"award_notice_date": "2021-03-24T04:00:00Z",	AWARD_NOTICE_DATE
"core_project_num": "R01DA040541",	CORE_PROJECT_NUM
"pref_terms": null,	PROJECT_TERMS
"project_title": "Understanding the effects of substance use on male couples risk for HIV",	PROJECT_TITLE
"phr_text": "PUBLIC HEALTH RELEVANCE: The aims of this mixed methods project are to: (1) examine the intrapersonal, interpersonal, and contextual factors associated with event-level substance use and condomless anal sex among male couples by using a 6- month longitudinal study to collect and synthesize three types of dyadic data: ecological momentary assessments, quantitative assessments and qualitative interviews; (2) identify which intrapersonal, interpersonal, and contextual factors are associated with event-level substance use that did not involve CAS among male couples, and how these factors and substance use events differed from usage that occurred with CAS. The proposal is innovative as it applies mixed methods, uses technology to capture event-level substance use and other risky behavioral data, and applies	PHR

theory and methods that are couples-based. The public health significance of the proposed study is to further our understanding and elucidate how substance use affects male couples' risk for HIV. Findings obtained from this novel project will help inform future development of HIV and substance use preventive interventions for this population.",	
"spending_categories_desc": null,	NIH_SPENDING_CATS
"arra_funded": "N",	ARRA_FUNDED
"budget_start": "2021-03-15T04:00:00Z",	BUDGET_START
"budget_end": "2022-03-31T04:00:00Z",	BUDGET_END
"cfda_code": "279",	CFDA_CODE
"funding_mechanism": "Non-SBIR/STTR",	FUNDING_MECHANISM
"direct_cost_amt": 242416,	DIRECT_COST_AMT
"indirect_cost_amt": 91961	INDIRECT_COST_AMT
},	

Sample API Request and Response

RePORTER Project Search API Request

```
{
  "criteria": {
    "funding_mechanism": ["SB", "RP", "RC", "OR", "TR", "TI", "CO", "IM", "IAA", "SRDC", "Other"],
    "newly added projects only": true,
  },
  "include_fields": [
    "AppId", "SubprojectId", "FiscalYear", "ProjectNum", "ProjectSerialNum", "Organization", "OrganizationType",
    "AwardType", "ActivityCode", "AwardAmount", "ProjectNumSplit", "PrincipalInvestigators", "ProgramOfficers",
    "AgencyIcAdmin", "AgencyIcFundings", "CongDist", "ProjectStartDate", "ProjectEndDate", "FullFoa", "FullStudySection",
    "AwardNoticeDate", "CoreProjectNum", "PrefTerms", "ProjectTitle", "PhrText", "SpendingCategoriesDesc", "ArraFunded",
    "BudgetStart", "BudgetEnd", "CfdaCode", "FundingMechanism", "DirectCostAmt", "IndirectCostAmt"
  ],
  "offset": 0,
  "limit": 25,
  "sort_field": "project_start_date",
  "sort_order": "desc"
}
```

Sample API Request and Response

RePORTER Project Search API Response

```
{
  "meta": {
    "search_id": null,
    "total": 1969,
    "offset": 0,
    "limit": 25,
    "sort_field": "project_start_date",
    "sort_order": "desc",
    "sorted_by_relevance": false,
    "properties": {}
  },
  "results": [
    {
      "appl_id": 10466688,
      "subproject_id": "9553",
      "fiscal_year": 2021,
      "project_num": "1R03HS027680-01A1",
      "project_serial_num": "HS027680"
      "organization": {
        "org_name": "MEDICAL UNIVERSITY OF SOUTH CAROLINA",
        "city": null,
        "country": null,
        "org_city": "CHARLESTON",
        "org_country": "UNITED STATES",
        "org_state": "SC",
        "org_state_name": null,
        "dept_type": null,
        "fips_country_code": null,
        "org_duns": [

```

Organization in API response is an object, which has more than one attributes