

ORIGINS Sub-project Research Proposal

If you require assistance with your proposal, please email us at ORIGINS.research@thekids.org.au

Applicant's name

Applicant's institution

Sub-project title

| Sub-project type and ORIGINS resources | <i>Select ALL that apply</i> |
|---|---------------------------------|
| Type of sub-project | Observational Interventional |

ORIGINS resources required for proposed sub-project:

| | |
|-------------------------|---|
| ORIGINS cohort | Recruitment of participants from ORIGINS cohort |
| ORIGINS Databank | Accessing ORIGINS data Data linkage |
| ORIGINS Biobank | Accessing ORIGINS biological samples Genetic studies/analysis |
| Additional collection/s | Additional/new questionnaires Additional/new measures Additional biological sample collection |

Please note that additional data and/or sample collection will be required to be added to the ORIGINS Databank and/or Biobank as a sub-project contribution. Please note that cohort compliance with sample and data collection protocol cannot be guaranteed, and the volume of available data may not directly correlate with participant numbers. For information on the availability of data and samples suitable for your research, please contact the ORIGINS Research and Translation team.

| Research area/s | <i>Select ALL that apply</i> |
|------------------------|------------------------------|
|------------------------|------------------------------|

| | | |
|---------------------------------------|-------------------------|-----------------------|
| Allergy, immunity & inflammation | Health economics | Fathering |
| Epidemiology, equity & social justice | Environment & lifestyle | Oral health |
| P4 Omics & systems biology | Nature relatedness | Brain & Behaviour |
| Mental health & wellbeing | Reproduction | Infections & vaccines |
| Growth & development | Nutrition & metabolism | COVID-19 |
| Other (please specify): | | |

Sub-project team

Please indicate if team members are located outside of Australia

Chief Investigator

Title and name

Position and Institution

Qualifications

Telephone

ORIGINS Investigator

Title and name

Position and Institution

Qualifications

Telephone

Co-Investigator

Title and name

Position and Institution

Qualifications

Telephone

Co-Investigator

Title and name

Position and Institution

Qualifications

Telephone

If required, please add the details of additional sub-project team members below including consumer investigators.

Sub-project description

Summary (*A short lay summary of intended research; maximum of 200 words*)

Background and rationale

Research question, aims and objectives

Project design

Type (e.g. pilot, qualitative, quantitative) and design (e.g. observational, intervention) of the project, including how the objectives will be measured.

Sample size

Inclusion criteria

Exclusion criteria

Data analysis (including statistical justification for sample size and power)

Ethics and Governance

Following ORIGINS approval for this sub-project, researchers are responsible for obtaining approval from the relevant Human Research Ethics Committees and Governance Committees before gaining access to the ORIGINS cohort, data, and/or biological samples. Please notify [ORIGINS](#) once you have submitted your ethics and governance applications. A copy of the final applications, approval letters, and any amendments must be provided to [ORIGINS](#).

Ethics application

Committee name

| | | | | |
|-------------------|----------|-----------|--------------|--------------|
| Submission status | Approved | Submitted | To be sought | Not required |
|-------------------|----------|-----------|--------------|--------------|

If ethics is not required, provide justification

Ethics application

Committee name

| | | | | |
|-------------------|----------|-----------|--------------|--|
| Submission status | Approved | Submitted | To be sought | |
|-------------------|----------|-----------|--------------|--|

Governance application

Committee name

| | | | | |
|-------------------|----------|-----------|--------------|--------------|
| Submission status | Approved | Submitted | To be sought | Not required |
|-------------------|----------|-----------|--------------|--------------|

If governance is not required, provide justification

ORIGINS fees and feasibility

Sub-projects are responsible for securing adequate funding to cover all associated costs, including ORIGINS administration and access fees. These fees may be negotiated on a per-sub-project basis and can vary depending on the contributions being made and available grant funding. In certain circumstances, ORIGINS may offer in-kind support for specific activities, however, this support is discretionary and subject to individual negotiation.

Quote provided for ORIGINS administration and access fees Yes No

Total amount quoted for ORIGINS administration and access fees

Internal ORIGINS Sub-project

Projects classified as internal ORIGINS sub-projects are eligible for fee waivers for accessing ORIGINS data, analysed sample data, biological samples, and participant recruitment (subject to project's scale). These projects are designed to boost research outputs and impact, assist in future grant applications, and contribute to the sustainability of ORIGINS.

This is an internal ORIGINS sub-project

Budget

Sub-projects are required to include a budget with their research proposal, detailing the estimated costs for the duration of the sub-project, including ORIGINS administration and access fees. Below is a template that you may use; or you can attach a separate budget to the research proposal.

Funding

All sub-projects are required to have sufficient funds to cover their costs, including ORIGINS administration and access fees. Research proposals should be approved by ORIGINS before applying for external funding. Ensure that funds are available to cover all associated fees.

Grant/funding title

Funding body

Principal applicant

Administering institution

Submission status

Approved

Submitted

To be sought

Grant/funding title

Funding body

Principal applicant

Administering institution

Submission status

Approved

Submitted

To be sought

If more applications are required, please provide detail on section References and Additional Information on page 17.

If the sub-project is funded by any commercial interests, please provide relevant details

If funding is not required, please provide justification

Total funding amount: Obtained Applied for

Agreements

As outlined in *The ORIGINS Collaboration Policy*, a Sub-Collaboration Agreement has been established between The Kids Research Institute Australia, Joondalup Health Campus, and external researchers. For researchers who are internal employees of The Kids Research Institute Australia or Joondalup Health Campus, a Letter Agreement includes a template version of the Sub-Collaboration Agreement as a schedule. A signed Sub-Collaboration Agreement or Letter Agreement must be fully executed for all sub-projects before they will be allowed to access the ORIGINS cohort, data, and/or biological samples.

Are there any existing or anticipated funding, collaboration or other agreements in place for this sub-project?

Yes No

If yes, please provide details

Student Involvement

ORIGINS is committed to supporting PhD students involved in research project. To encourage their participation, ORIGINS offers various incentives for projects that include a PhD student. By supporting PhD students, ORIGINS aims to foster their development and contribute to their research success.

Do you intend to include a student(s) in your sub-project?

Yes, PhD student

Other student, e.g., Honours

Yes, Master's student

No

Yes, both Master's and PhD students

Incentives for PhD students (please indicate those which would apply for your student and ORIGINS will confirm eligibility).

Cover the fees for one publication

Provision of biological samples

Provision of data from ORIGINS

Other (please specify)

Timeframe of the Sub-project

Expected start date

Expected completion date

Recruitment of participants from the ORIGINS cohort **YES** **NO**
Number of participants (include the number of cases and controls; specify if participants are mothers, children, or partners)

Recruitment method (provide details on recruitment and consenting methods, including specific tasks and timepoints)

Recruitment to be undertaken by

ORIGINS staff

Sub-project personnel

Expected recruitment start date

Expected completion date

Accessing ORIGINS Biological Samples**YES NO**

Before accessing ORIGINS biological samples, a *Release of Biological Information form* and *Material Transfer form* will need to be completed in collaboration with the ORIGINS Biobank Team.

Estimated timeframe(s) for sample extraction: (Please specify month and year)

Will any ORIGINS biological samples be collected, processed, analysed or stored overseas? Yes No

If yes, please specify the location and provide the rationale/reason

Biological samples*Select ALL that apply*

| Sample type | Sample size | Antenatal | | Postnatal | | | | Childhood | | | |
|------------------|-------------|-----------|----------|-----------|----------|----------|----------|-----------|-----------|---------|---------|
| | | 20 weeks | 36 weeks | Birth | 2 months | 4 months | 6 months | 1 year | 1.5 years | 3 years | 5 years |
| Blood | | M | P* | M | | C† | C† | P | C | C | C |
| Urine | | M | | M | C | M† | C† | M | C | C | C |
| Buccal swab | | M | P* | M | P | | | M | P | C | C |
| Saliva | | M | P* | M | P | | | M | P | C | C |
| Stool | | M | | M | C | M† | C† | M | C | C | C |
| House dust | | | | M | | | | M | | M | M |
| Meconium | | | | C | | | | | | | |
| Cord blood/gases | | | | C | | | | | | | |
| Guthrie card | | | | C | | | | | | | |
| Placenta | | | | C | | | | | | | |
| Colostrum | | | | M | | | | | | | |
| Breastmilk | | | | | M | M† | M | | | | |
| Hair | | P* | | M | | | | M | P | M | M |
| Teeth | | | | | | | | | | | C |

M = mother | P = partner/father | C = child/infant | * = completed once antenatally | † = subset of ORIGINS participants (small number of samples)

Accessing ORIGINS Data **YES** **NO**

Before accessing ORIGINS data, a Release of Data form will need to be completed in collaboration with the ORIGINS Data Team.

Details of data request/s (themes and/or variables requested)

Will any ORIGINS data be entered, clean, analysed or stored overseas? Yes No

If yes, please specify the location and provide the rationale/reason

Data – Active ORIGINS participants

Select ALL that apply

| Data source | Sample size | Antenatal | | Postnatal | | | | Childhood | | | | | | | |
|---|-------------|-----------|--------|-----------|--------|--------|--------|-----------|--------|---------|--------|---------|--------|---------|--------|
| | | 20 wks | 36 wks | Birth | 2 mths | 4 mths | 6 mths | 9 mths | 1 yr | 1.5 yrs | 2 yrs | 2.5 yrs | 3 yrs | 3.5 yrs | 4 yrs |
| ORIGINS core questionnaires | | M P* | M* | | M C | | M C | M C | M C | M C | M C | M C | M C | M C | M C |
| Ages & Stages questionnaire [§] | | | | | C | | C | C | | C | | C | | C | C |
| Australia Eating Survey | | | M | | | | M | | M | | | | | M | M |
| Child Food Frequency questionnaire [§] | | | | | | | | | C | | C | | | C | C |
| Strengths & Difficulties questionnaire [§] | | | | | | | | | | | | | C | | C |
| Early Conners [§] | | | | | | | | | | | | C | | | C |
| Copenhagen Infant Mental Health Screen | | | | | | | | | C | | | | | | |
| JHC health questionnaires (paper) | | M P | | | | | | | | | | | | | |
| JHC birth (Midwives Notification System) | | | | M C | | | | | | | | | | | |
| JHC Special Care Nursery | | | | C | | | | | | | | | | | |

Data – Routine data ORIGINS participants
Select ALL that apply

| Data source | Sample size | Antenatal | | Postnatal | | | | Childhood | | | | | | | | |
|-----------------------------------|-------------|-----------|--------|-----------|--------|--------|--------|-----------|------|---------|-------|---------|-------|---------|-------|-------|
| | | 20 wks | 36 wks | Birth | 2 mths | 4 mths | 6 mths | 9 mths | 1 yr | 1.5 yrs | 2 yrs | 2.5 yrs | 3 yrs | 3.5 yrs | 4 yrs | 5 yrs |
| JHC health questionnaires (paper) | | M P | | | | | | | | | | | | | | |
| JHC birth & postnatal (Meditech) | | | | M C | | | | | | | | | | | | |
| JHC Special Care Nursery | | | | C | | | | | | | | | | | | |

M = mother | P = partner/father | C = child/infant | * = completed once antenatally | § = standardised questionnaires

Clinical assessments
Select ALL that apply

| Assessment | Sample size | Antenatal | | Postnatal | | | | Childhood | | | |
|----------------------------|-------------|-----------|----------|-----------|----------|----------|----------|-------------|-----------|---------|---------|
| | | 20 weeks | 36 weeks | Birth | 2 months | 4 months | 6 months | 1 year | 1.5 years | 3 years | 5 years |
| PEA POD/BOD POD | | | | C | | | | | | C | C |
| Skin prick test | | | | | | | | C | | C | C |
| Eczema assessment | | | | | | | | C | | C | C |
| Anthropometry | | M P* | M | | | | | M P C | | C | C |
| ORIGINS clinic appointment | | | | | | | | C | | C | C |

M = mother | P = partner/father

Collection of additional data and/or biological samples (if required)**YES****NO**

The below information has been requested to determine the feasibility and appropriateness of new data and/or sample collection to be undertaken by the proposed sub-project. Please note that sub-projects are obliged to harmonise sampling and outcome measures where possible and appropriate.

Additional data/biological sample collection

Type of collection New questionnaire New biological sample New measure

Other

Title of collection

Description

Participant/s (*select all that apply*)

Mother

Partner/father

Child

Time point/s

Mode of collection In person Online

Sample size

Time involved

Space required

Staff involved ORIGINS staff Sub-project personnel None

Consumables required

Storage

Estimated cost

List Standard Operating Procedures (SOPs) (*please attach SOPs to the research proposal*)*If more applications are required, please provide details on the last page of the research proposal.*

Consumer/community engagement

Meaningful input and contribution from the community, consumers, and other stakeholders are essential to ORIGINS and its sub-projects. Researchers are encouraged to engage with community members and ORIGINS participants as early as possible during the development, planning, and integration of their sub-project.

Does your sub-project team include one or more consumer/s and or community member/s Yes No

Presented to the ORIGINS Community and/or Participant Reference Group Date

Overview of community liaison/engagement (including how it has impacted research planning and/or development)

Expected benefit/s and feedback to be provide to ORIGINS participants and/or the Joondalup/Wanneroo community

Consumer Representative

Title and name

Position and Institution

Qualifications

Telephone Email

Research dissemination and translation

Planned research dissemination and translation activities (*planned publications, presentations, changes to clinical practice, etc. If the proposed sub-project has a translational component, explain how knowledge resulting from this research could drive advancements in health and/or development outcomes*)

Sub-project contributions to the ORIGINS platform

Type of sub-project contribution Data to ORIGINS Databank Biological samples to ORIGINS Biobank

Details of sub-project contributions (including what/how/when will contributions be made)

Signed for and on behalf of all investigators listed above who have read and agree to the contents of this form**Chief Investigator** (print name)**Date****Signature**

Please email completed form to the ORIGINS Research and Translation Team (ORIGINS.research@thekids.org.au)

References or Additional Information