

# EGEA - Research on Genetic and Environmental Factors of Asthma and Associated Phenotypes

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## General

### Identification

Detailed name	Research on Genetic and Environmental Factors of Asthma and Associated Phenotypes
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Sign or acronym	EGEA
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CNIL registration number, number and date of CPP agreement, AFSSAPS (French Health Products Safety Agency) authorisation	CNIL no. 109427 April 1990 ; CNIL no. 900198 from 23/10/2000 ; CPP RD 010707 July 2001.
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### General Aspects

Medical area	Pneumology Study of allergies
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Pathology (details)	Asthma and allergies.
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Health determinants	Genetic Lifestyle and behavior Medicine Nutrition Occupation Pollution
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Keywords	genetic, lung function, improvement, environment, health events, aggravation
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### Scientific investigator(s) (Contact)

Name of the director	Siroux
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Surname	Valérie
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Organization Institut Albert, Inserm/Université Joseph Fourier

## Collaborations

Participation in projects,  
networks and consortia Yes

Details Involved in cohort network: GABRIEL, ESCAPE

## Funding

Funding status Mixed

Details INSERM, French Association for the Fight against  
Cystic Fibrosis (AFLM), Grenoble Clinical Research  
Department, Ministry of the Environment, Ministry  
of Health, Ministry of Research, Respiratory Disease  
Committee, MSD Contract, Labour Department -  
InVS, Agency for the Environment and Management  
of Energy, Grenoble regional PHRC, Paris regional

PHRC, French Agency for Environmental Health and Safety, French Agency for Environmental and Occupational Health and Safety, Global Allergy and Asthma European Network (Ga2len); home medical-technical assistance, French Language Pneumology Society; French National Research Agency (ANR), Isère Departmental Committee Against Respiratory Diseases (COMARES), French Nutrition Society, Respiratory Endowment Fund and multi-bodied subject-based public health institutes (ITMO).

## Governance of the database

Sponsor(s) or organisation(s) responsible      INSERM

Organisation status      Public

Presence of scientific or steering committees      Yes

Labelling and database evaluation      ISO 9001-2008 certification for the collection and management of the biological collection and database.

## Additional contact

## Main features

## Type of database

Type of database      Study databases

Study databases (details)      Longitudinal study (except cohorts)

Database recruitment is carried out as part of an interventional study      No

Additional information regarding sample selection.      Prospective.

## Database objective

Main objective      General objective: to investigate genetic and environmental factors and their impact on asthma, as well as phenotypes associated with bronchial hyperresponsiveness and atopy.

Inclusion criteria      - Asthmatic adults between 15 and 64 years of age and children (7-15 year old) born in France, and their parents. Selected family units with at least one blood relation (both parents, or one spouse and

one child) in one of the five city "centres". Definition of disease characteristic criteria.  
- Case-controls: electoral registers, subjects monitored in surgery (adults + children) or in social security check-up clinics.

## Population type

Age  
Childhood (6 to 13 years)  
Adolescence (13 to 18 years)  
Adulthood (19 to 24 years)  
Adulthood (25 to 44 years)  
Adulthood (45 to 64 years)

Population covered      Sick population

Gender  
Male  
Woman

Geography area      National

Detail of the geography area      Geographical area covered: Paris, Lyon, Grenoble, Montpellier, Marseilles.

## Data collection

### Dates

Date of first collection (YYYY or MM/YYYY)      1991

Date of last collection (YYYY or MM/YYYY)      03/2013

### Size of the database

Size of the database (number of individuals)      [1000-10 000[ individuals

Details of the number of individuals      2,120 individuals.

### Data

Database activity      Current data collection

Type of data collected  
Declarative data  
Paraclinical data  
Biological data

Declarative data (detail)      Paper self-questionnaire

Paraclinical data (detail)	Spirographic test.
Biological data (detail)	Type of samples taken: blood, exhaled breath condensate.
Presence of a biobank	Yes
Contents of biobank	Serum Cell lines DNA
Details of biobank content	Serum bank, DNA bank. cell lines, exhaled breath condensate.
Health parameters studied	Health event/morbidity Health event/mortality

## Procedures

Data collection method	Self-administered questionnaire: direct input Interview: input from a paper questionnaire Other interview input type: manual verification followed by automatic verification.
Quality procedure(s) used	Consistency request after electronic data is recorded. Internal quality audit and external quality audit carried out each year.
Participant monitoring	Yes
Details on monitoring of participants	Follow up duration: average of 20 years.
Links to administrative sources	No

## Promotion and access

### Promotion

Link to the document	<a href="#">pubEGEA_Avril2015_4.docx</a>
Link to the document	<a href="https://egeanet.vjf.inserm.fr/index.php/fr/resultats-publications/articles-fr">https://egeanet.vjf.inserm.fr/index.php/fr/resultats-publications/articles-fr</a>
Link to the document	<a href="http://www.hal.inserm.fr/EGEA">http://www.hal.inserm.fr/EGEA</a>
Description	Liste des publications dans HAL
Link to the document	<a href="http://www.ncbi.nlm.nih.gov/pubmed/?term=EGEA+and+asthma+NOT+Egea[Author]">http://www.ncbi.nlm.nih.gov/pubmed/?term=EGEA+and+asthma+NOT+Egea[Author]</a>
Description	Liste des publications dans Pubmed

## Access

Presence of document that lists variables and coding procedures	Yes
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Terms of data access (charter for data provision, format of data, availability delay)	Data may be used by academic teams. Data may be used by industrial teams.
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Access to aggregated data	Access on specific project only
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Access to individual data	Access on specific project only
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