



DANISH
ramazzini
CENTRE

Respit

Respiratory Epidemiology
and toxicology

Overview November 2012



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Respit people

Sigsgaard, Schlünssen, Bønløkke, Omland, Miller
Basinas, Samadi, Riddervold, (Jakobsen)
Bolund, Christensen, Elholm, Holst, Hougaard,
Würz, Zheng, Ørby

- Epidemiology
 - Asthma, allergy, COPD, Lung Function, Ageing
- Toxicology
 - Basic tox
 - Cell cultures & Whole blood assay
 - Human exposure studies
 - RCDB – studies
 - Specific Challenges

Collaborators Outside public health

National

- CISBO
- CEEH
- DEC (DMU-air)
- CIRRAU
- RAV
- OUH
- Glostrup

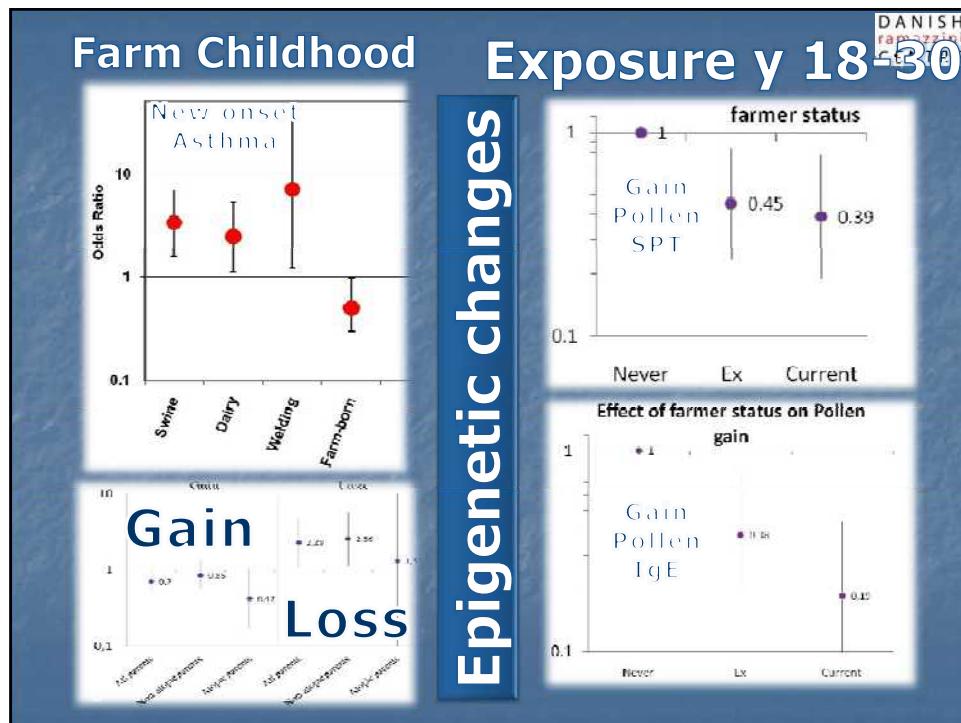
International

- Utrecht IRAS
- IOWA Env Health
- Inserm
- Env Med Bm'ham
- Karlstad Public Health
- Env Med Göthenburg
- RHINE

Allergy genes and environment

- SUS12
 - 2000 young farmers
- Gabriel
 - G*E interaction studies
- Twins
 - 12000 twins
 - 4000 full pairs
- ECRHS/RHINE
 - Danish group
- RHINESSA
- RAV





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Work environment

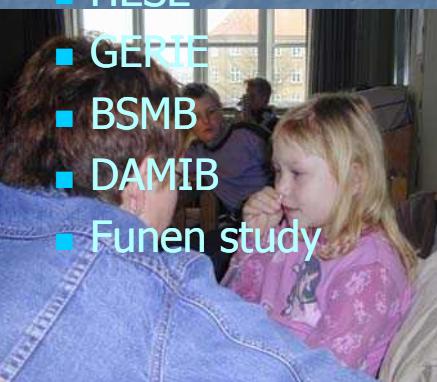


CODUST JEM

- Bakers
- Mothers
- Crab shrimp GRL

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IAQ





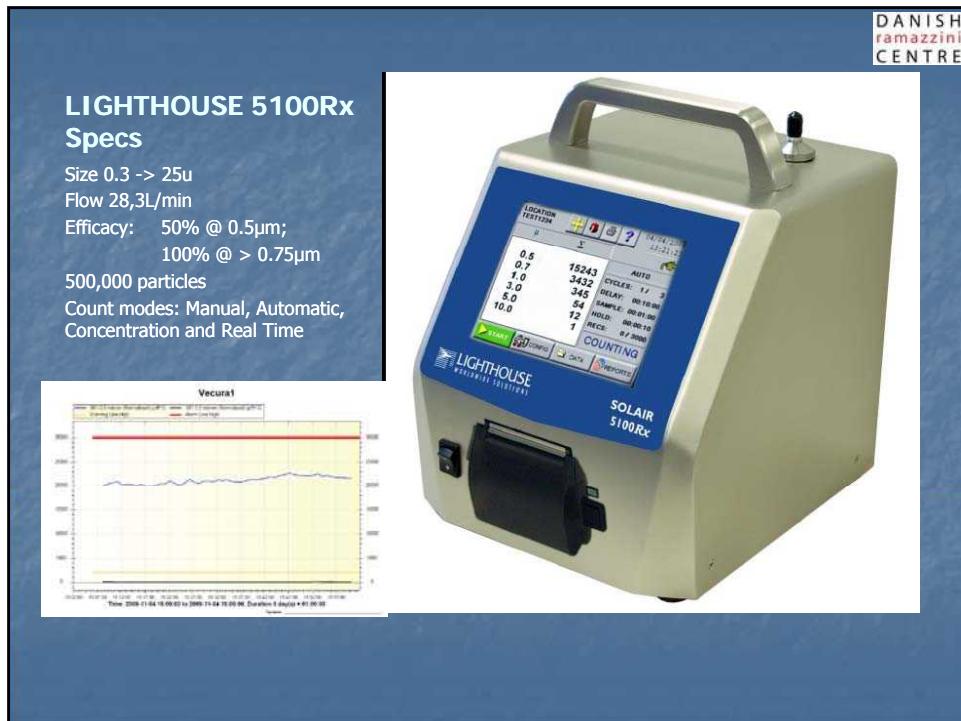
- CISBO
- SELMA
- HESE
- GERIE
- BSMB
- DAMIB
- Funen study



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Methods

- Lungs
 - Vitalography
 - PEF
 - Provocation
 - Metacholine
 - Work-place
 - CO-diffusion
- Nose
 - NADAR
 - Rhinostereometry
 - Nasal provocation
 - Nasal lavage



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**TSI Dusttrack
SPECS**

Simultaneously measure PM1,
PM2.5, Respirable, PM10, and Total
PM

It delivers the mass concentration
of a photometer and the
size resolution of an OPC.

