

# Directed Acyclic Graphs Group works

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Atelier Inserm  
Best practices and recent advances in causal analyses  
Practical phase

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# Julien Asselineau

- Association of intrahepatic cholestasis of pregnancy and chronic placental inflammation, reflect of the allograft rejection of pregnancy
- Study design
  - Case-control study paired on gestational age and study center
- Outcome variable
  - Intrahepatic cholestasis of pregnancy
- Exposure variable
  - chronic placental inflammation
- Potential confounders
  - Gestational age

# Nathalie Costet

- Cohort study from general population, environmental epidemiology (PELAGIE or TIMOUN)
- Outcome
  - BMI z-score or Blood pressure at 12 years of age.
- Exposure
  - Prenatal exposure (cord blood concentration) to one (several) pollutant (chlordecone, PCBs ...).
  - Postnatal exposure also available at times between birth and 12 years.
- Potential confounders
  - Socio-economic characteristics, maternal BMI, weight gain during pregnancy, diabetes, child dietary habits.
- Questions
  - BMI as a mediator for the BP
  - How to consider the socio-economic context (predicts exposure, self-selected sample from the general population)
  - How to consider postnatal exposures ?

# Lisa Le Gall

- Emulation trial from observationnal data
- Population
  - Patients (re)initiating dialysis after kidney transplant failure
- Exposure
  - Immunosuppression strategy
- Outcome
  - Second renal transplantation
- Necessary condition for the event of interest
  - To be listed on the waiting in list