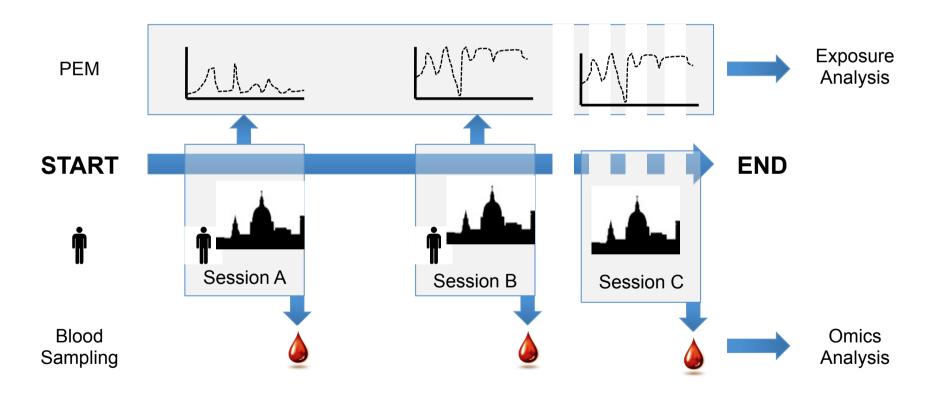
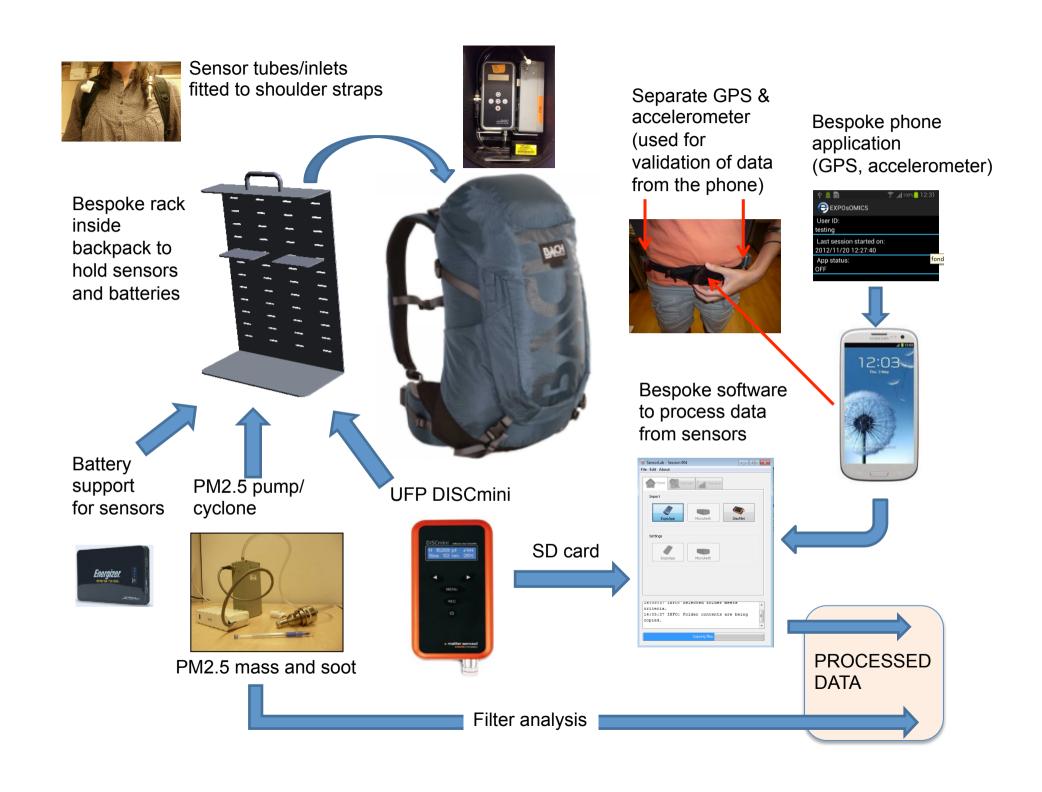
Personal Exposure Monitoring (PEM) study

Outline

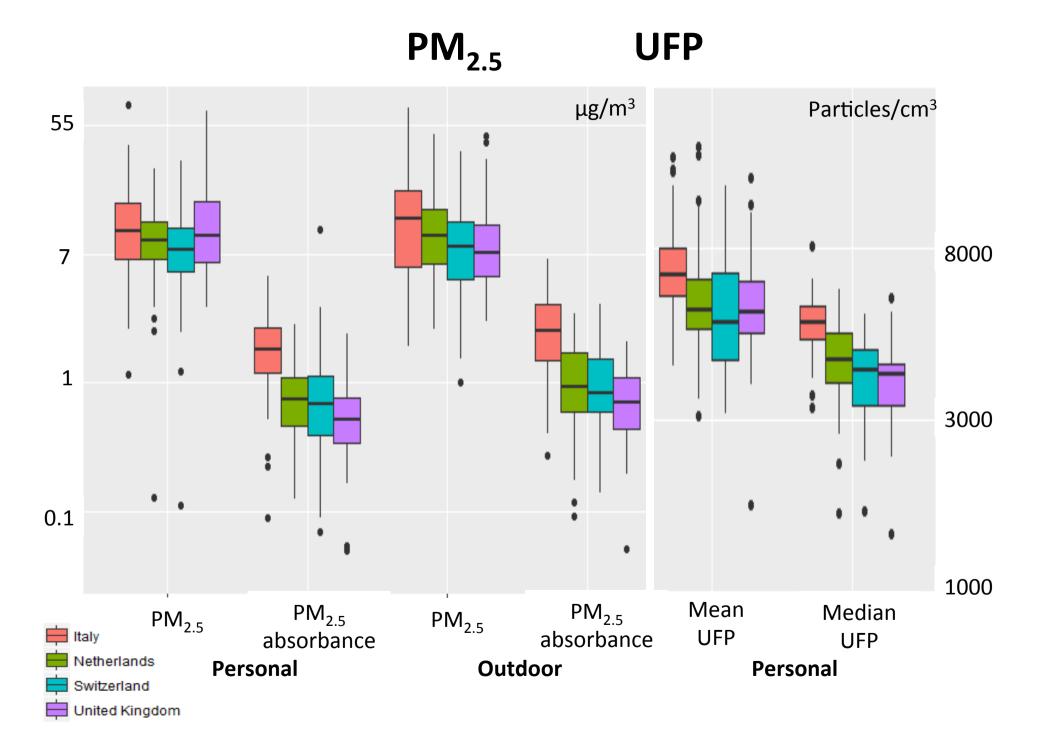
- Healty volunteers experiencing high and low levels of air pollution
- Personal measurements made during 24hr exposure periods
- Blood samples obtained for omics after each exposure period





Air pollution exposure assessment

- 1. Personal exposure measurements
- Measurements in front of residence -> comparable to modeled estimates used in cohort studies
- 3. Modeled exposure estimates
 - PM2.5 + absorbance
 - Ultrafine particles



PEM study population

Total (N)	IT (85)	NL (81)	CH (92)	UK (43)	Pooled (301)
Session (N)					
A	43	41	48	23	155
В	42	40	44	20	146
Sex (N)					
Female	22	34	25	15	96
Male	21	7	23	8	59
Highest achieved					
Education (N)					
Primary school	0	0	0	0	0
High school	30	7	4	11	25
university	13	34	44	12	103
Median Age (years)	60	62	60	63	61
Median BMI (Kg/m²)	24.8	24.6	25.1	26.8	25

OMICS markers assessed

