

## Can you measure human occupational exposure to airborne graphene?

The use of material from the graphene family is predicted to increase in industrial settings in Sweden and around the world. With an increased use, an increased need of methods for exposure assessment follows. During this workshop the findings from the project “Development of methods for exposure and risk assessment of occupational use of material in the graphene family” will be presented, followed by a discussion where the delegates are encouraged to participate.

Welcome to an open digital work-shop the 7<sup>th</sup> November 09-11 at the link: <https://gu-se.zoom.us/my/hakantinnerberg>. No pre-registration is needed.

All presenters are from Occupational and Environmental Medicine, Sahlgrenska Academy, except Sofia Öiseth from Chalmers industriteknik.

- 09.00 Welcome; Sofia Öiseth, Group leader Graphene
- 09.10 Risk assessment for nanomaterial; Håkan Tinnerberg, Occupational Hygienist, PI
- 09.20 Toxicity for material in the graphene nano-family  
Cecilia Nilsson, Master thesis student
- 09.30 Analysis of elemental carbon as a measure for exposure to graphene  
Tobias Storsjö, Occupational Hygienist
- 09.40 Work with standardisation of analytical methods for determination of graphene  
Anne Farbrot, Chemist
- 09.50 Measurements of graphene in the work environment – methods and results  
Tobias Storsjö, Occupational Hygienist
- 10.00 Modelling of occupational exposure to graphene in the work environment  
Tobias Storsjö, Occupational Hygienist
- 10.10 Sum up  
Håkan Tinnerberg, Occupational Hygienist
- 10.15- Questions and discussion



Med stöd från



Strategiska  
innovations-  
program