

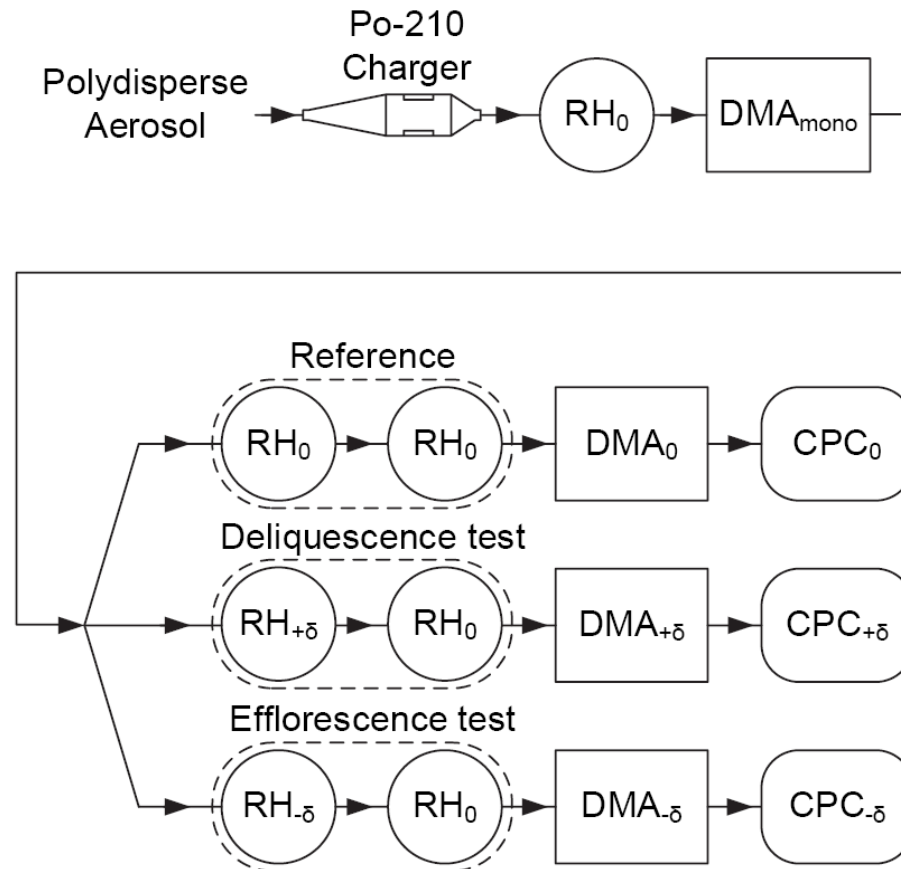
# Who I am and where i work

- Thomas Rosenørn
- PhD in chemistry from University of Copenhagen in 2005 (Prof. Merete Bilde)
- Current position: Post Doc at School of Engineering and Applied Sciences at Harvard University (Prof. Scot Martin)

# Major research interests

- Linking chemical composition and hygroscopic properties to global climate
  - AMS studies
  - CCN studies
  - HTDMA studies
  - Chamber and field studies

# Major research interests



1x3 TDMA

# Ties to workshop topics

- Personal research
  - Harvard Environmental Chamber (HEC) used to create steady state aerosol for continuous studies of products and properties under changing set conditions.
  - Field studies of sub saturated hygroscopic properties of ambient aerosols (SGP site in Oklahoma).
- Future goals
  - Better understanding and ability to predict particle phase in the atmosphere,
  - and how different parameters like NO<sub>x</sub> levels, precursor concentration, temperature, oxidizing reagent, and relative humidity changes chemical composition, physical state, and subsequent water interactions of particulate organic matter of the particles.