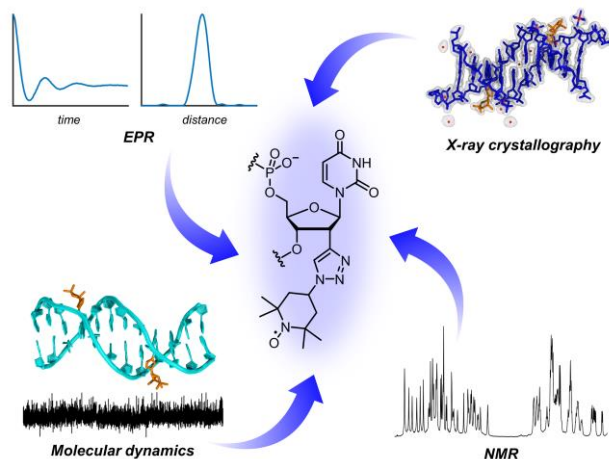




## Spins and structure



*Using electrons to understand DNA*

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**Onsdag 3. juni kl 14.15**

**Hvor: Zoom**

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**Sammendrag:** Biomolecules such as proteins and DNA are crucial to all living organisms, from complex humans to the tiniest viruses. The function and behaviour of these biomolecules is closely connected to their three-dimensional shape, which can be variable and change depending on the circumstances. Knowledge these structures is, however, instrumental to the understanding of diseases and the discovery and design of new drugs.

This talk will introduce small molecules containing unpaired electrons (“spin labels”) as tools for investigating the three-dimensional structure of the nucleic acids, DNA and RNA. We will look at a recent example of chemical modification of DNA with spin labels, and compare the observations made through this method with traditional tools for structural analysis.

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