

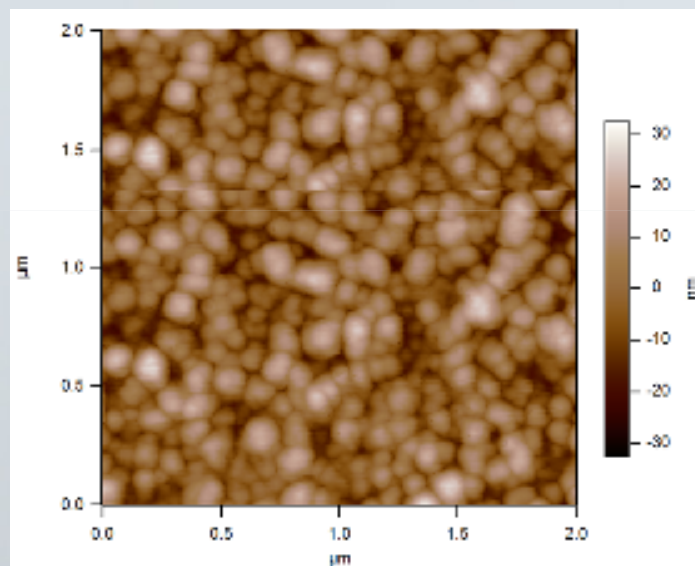
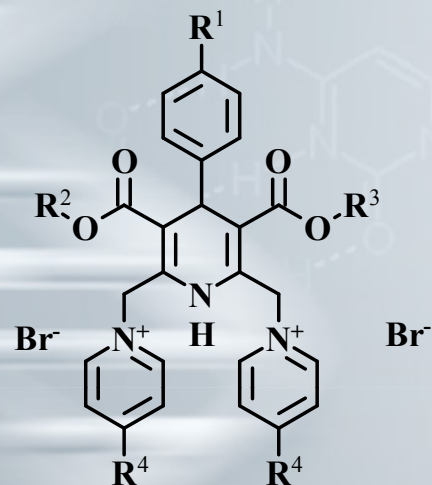


**FLUORSATUROŠI 1,4-DIHIDROPIRIDĪNA UN 3,4-DIHIDROPIRIDONA AMFIFĪLI TRANSMEMBRĀNU NOGĀDES PĒTĪJUMIEM**

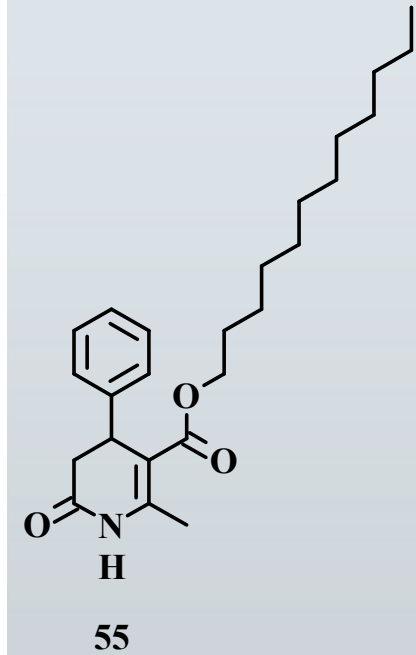
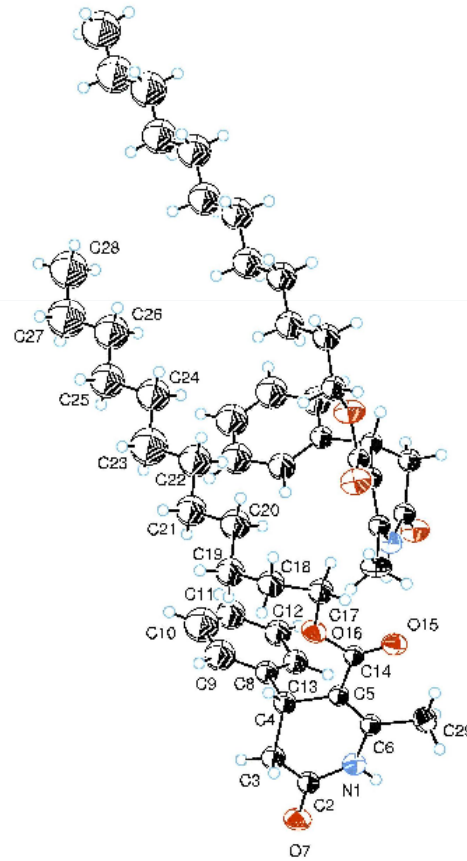
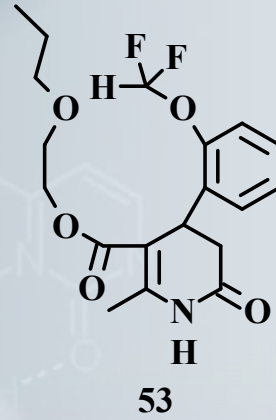
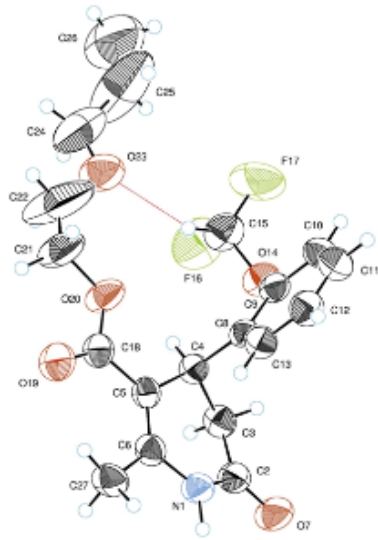
Rufs Šmits

Rīga, 2012

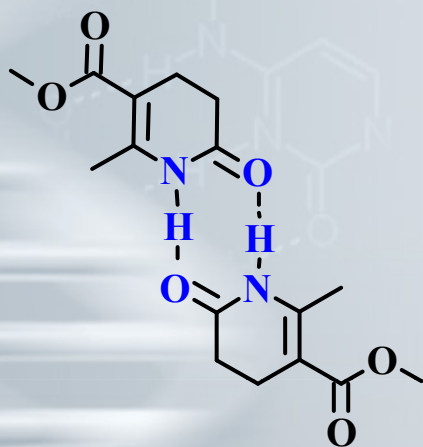
# Atomspēka mikroskopija agregātu raksturošanai



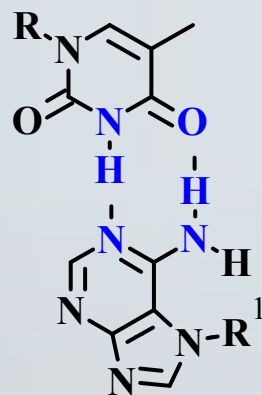
# DHPOD rentgenstruktūras



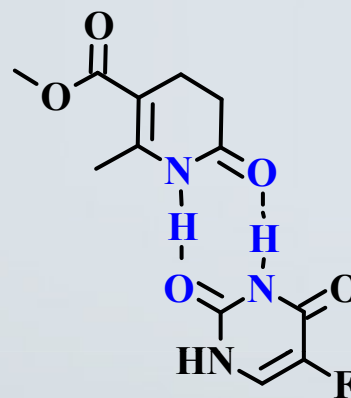
# Ūdeņražu saišu dimēri



**a**



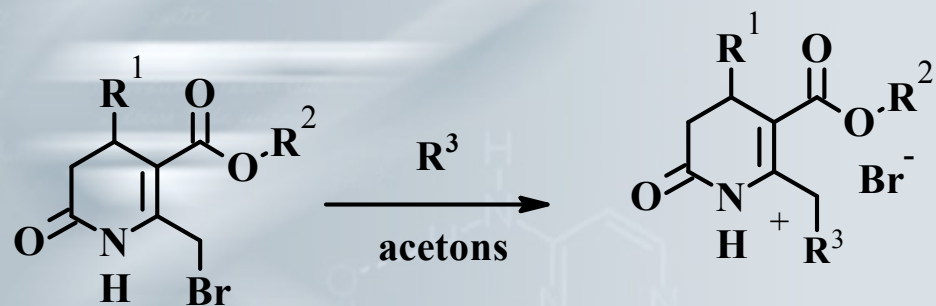
**b**



**c**

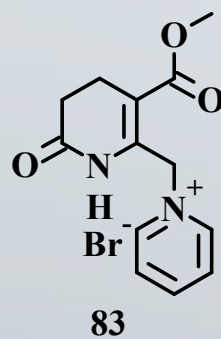
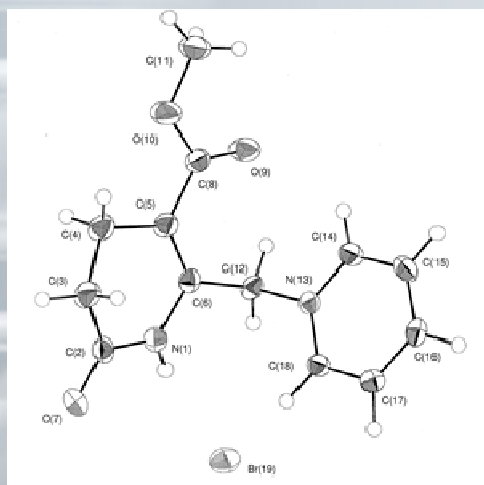
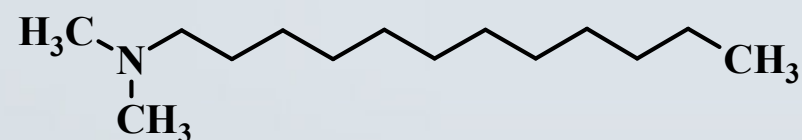
Pēc rentgenstuktūras datiem DHPOD veido ūdeņražu saišu saistītu dimēru **a**, DNS bāzu pāri **b** un hetero H-saistīts DHPOD un fluoruracila pāris **c**.

# DHPOD piridīnija sāļi

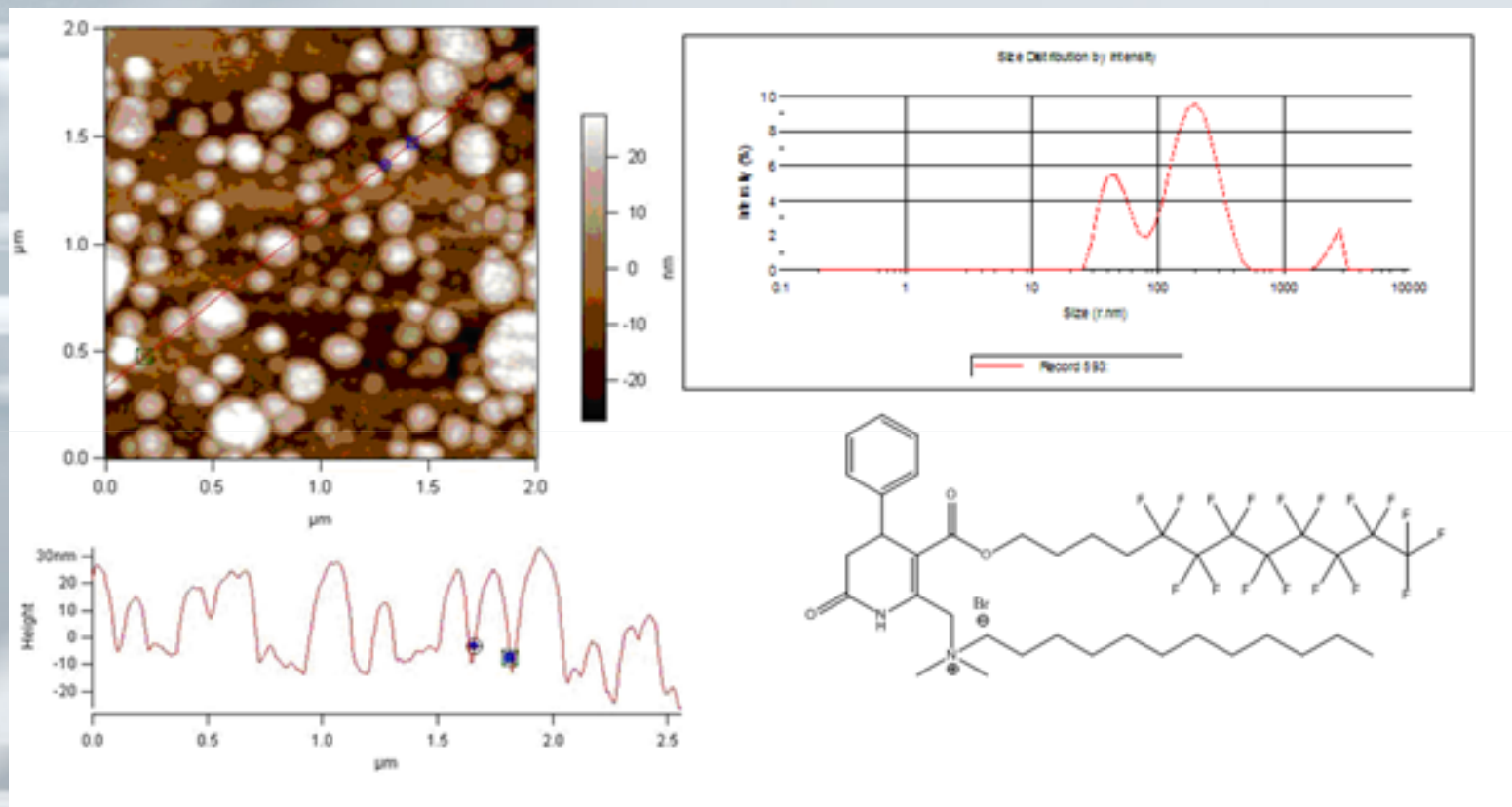


$R^3$ : Py

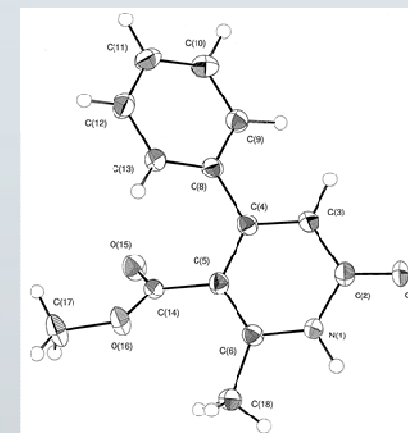
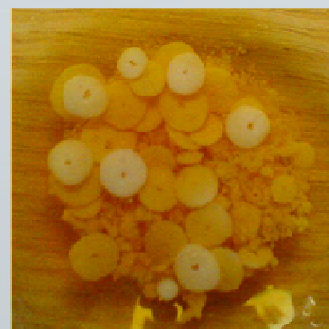
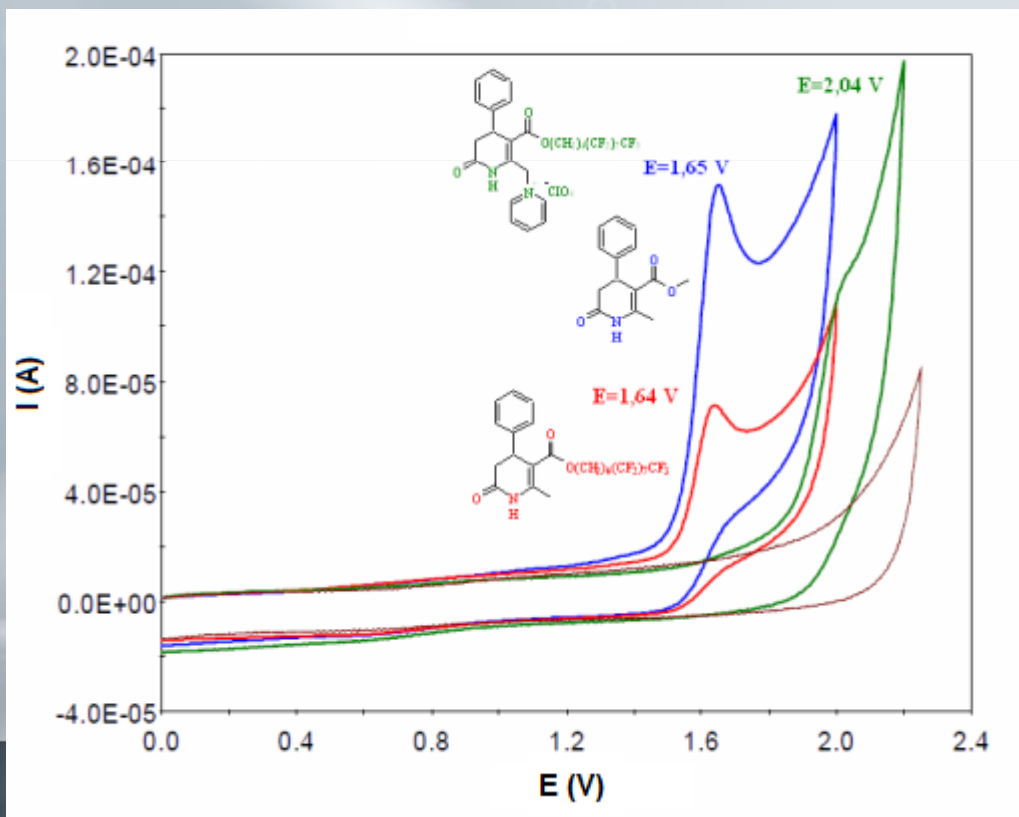
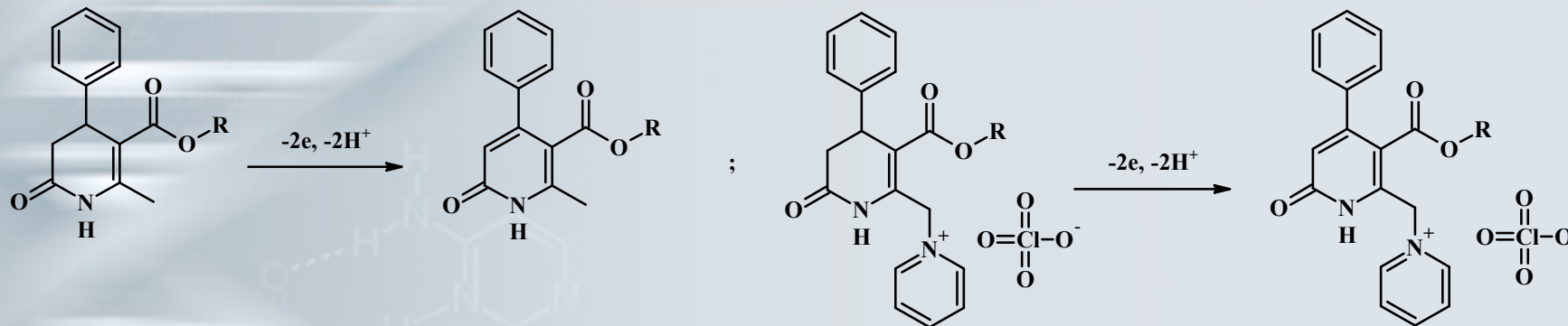
$PPh_3$



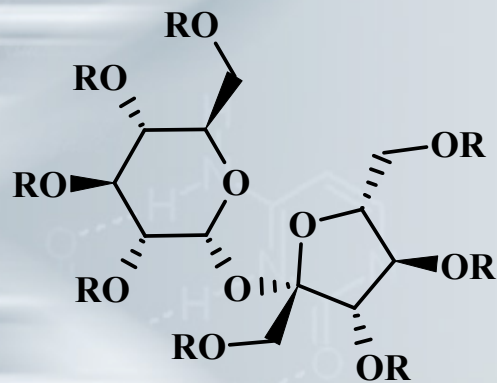
# ASM attēls ar amfifila 89 veidoto agregātu struktūrām un nanodaļiņu DGI datiem destilētā ūdenī



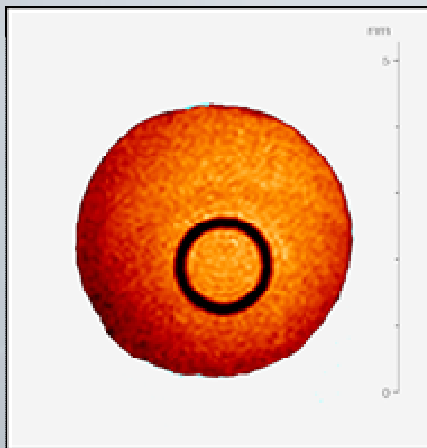
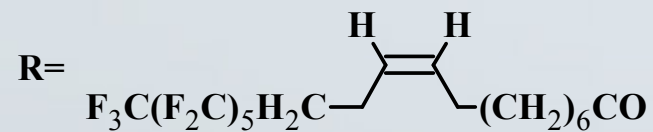
# DHPOD oksidēšanās potenciāli



# Fluorēta saharozes oktaoleāta-F104 $^{19}\text{F}$ -KMR

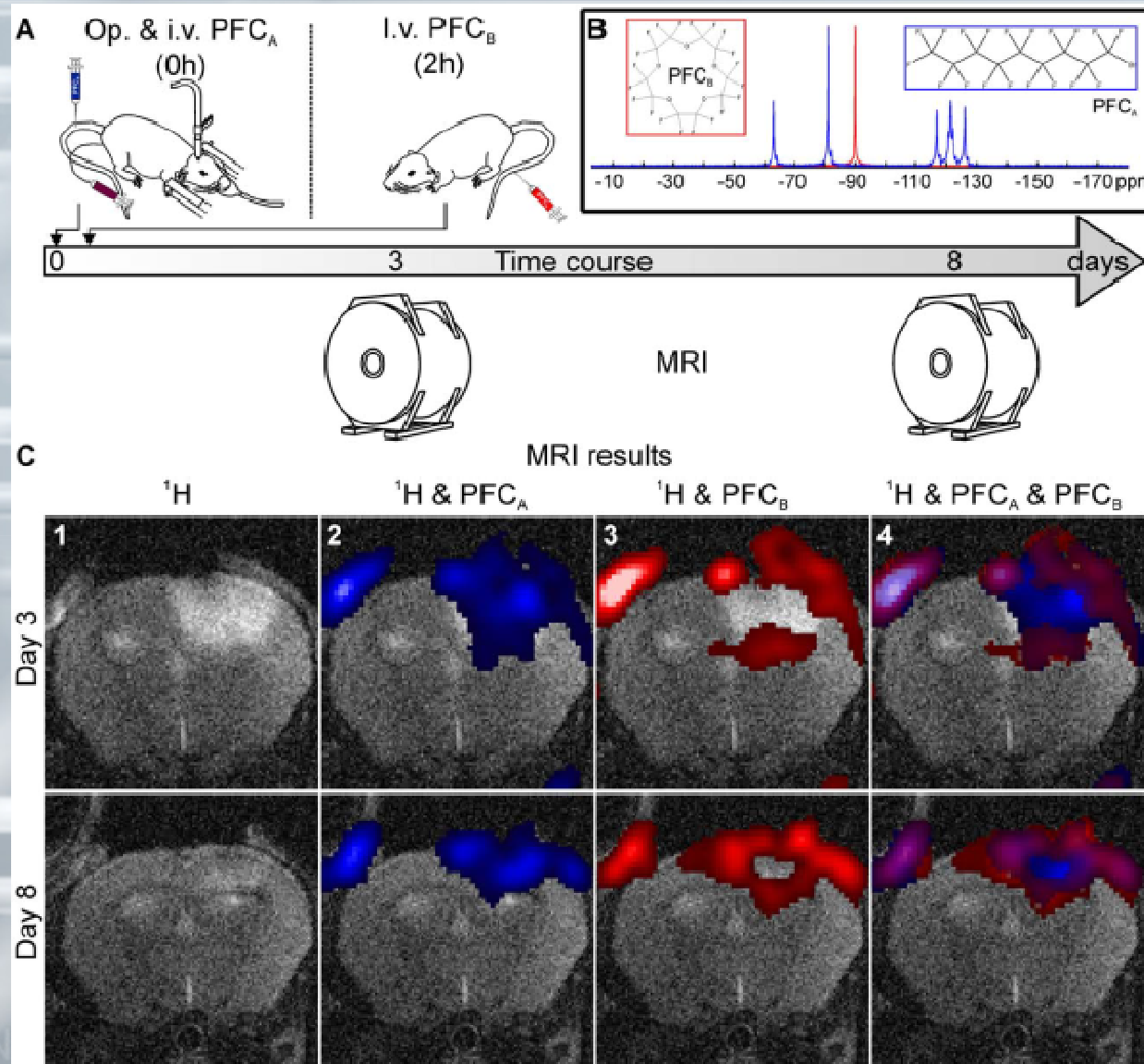


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# $^{19}\text{F}$ - magnētiskās rezonanses diagnostika



Weise, G. et al. *PLoS ONE*. 2011, 6, 1-8: e28143.



**PALDIĒS PAR UZMANĪBU!**