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DNA adducts are formed with many carcinogens and have been a long-standing interest in our group. We are focusing on DNA-protein crosslinks and their roles in mutation and on RNA adducts. Recently we have found that some of the translesion DNA polymerases insert ribonucleoside triphosphates and will even copy RNA templates. We are exploring the incidence of RNA adducts and also the abilities of translesion DNA polymerases to copy past RNA adducts.

