XChem lab checklist

	Have your Diamond FedID and password in hand
	Check if there is enough pucks/pins for your experiment and recycle if needed
	Image your plate at the Research Complex
	Set xchempath in your linux bashrc if you are new on the platform
	Run: preparevisit to create the XChem visit directories
	Open SoakDB: /dls/labxchem/data/PROPOSAL/VISIT/processing/lab36/
	Input your protein acronym (this must match what is in your ERA)
	Rank your crystals using TexRank (remember to set to Formulatrix and 1 drop)
	and export the target list CSV file
	Watch out for X/Y coordinates $> +/-1400$ in the exported CSV file
	If using plate ≠ SwissCi-3drop, change the plate type in SoakDB
	Export Echo soaking CSV files from SoakDB
	Open compound plate under argon gas
	Transfer compounds for soaking to your crystal drops using the Echo
	Flush compound plate with argon gas before sealing it
	Update the transfer status to "Done" in SoakDB
	Export the harvesting CSV file for the shifter
	Scan the required pucks out at the scan in/out workstation
	Scan your pucks on the Shifter software in the same order you are going to use
	them and select the first row of the puck list
	Mount your crystals
	Scan your open pucks/pins on the puck scanner station
	Seal your pucks and store in the dewars and write down the cane tape number
	If using plate ≠ SwissCi-3drop, before you import the harvesting CSV file back,
	be sure you still have the right plate type selected in SoakDB
	Import your harvesting CSV shifter file back into SoakDB
	Click on "update status" in the SoakDB ISpyB section
	Add beamline visit, unit cell dimensions and data collection parameters for UDC
	in SoakDB as necessary
	Click on "Export to ISpyB" in the SoakDB ISpyB section
	Open Putty and connect to <i>ssh.diamond.ac.uk</i> (click on "yes" if a pop-up window
	asking to add the RSA key appears)
	Login with your FedID and password and go to your visit ispyb directory:
	/dls/labxchem/data/ PROPOSAL/VISIT /processing/lab36/ispyb/
	Run the script: csv2ispyb your-exported-ispyb-csv-file.csv
	Log onto ISpyB and check that a new shipment with your pucks has been created
	Go to SoakDB "Pucks" tab, click on "Update/Save changes" then on "Yes".
	Update the puck table with: the puck location, the data collection parameters,
_	the beamline visit number, your name, your target name and your local contact
	Copy the new/relevant lines into the XChem-Queue Google spreadsheet
	Close your SoakDB
	Scan your unused pucks back in the scan in/out workstation