Almost at the end ...

"If you don't remember anything else, remember this"

CCP4 and wwPDB have booths in the exhibition area

- Please come and visit for software demos, questions, freebies
- Opportunities to talk to the people at the workshop

Follow-up for this workshop

- Please fill in and return the questionnaires in the CCP4 packs
- If you have anything missing from the packs or want copies of the slides please let us know
- Materials will be posted on the web shortly after the conference

Take home points from Peter's talk (CCP4 overview)

- Binary installations good for fast start up
- Add project, crystal and dataset information in MTZ and switch on data harvesting
- Use CCP4i project management tools to help organise your work

Take home points from Martin Noble's talk (CCP4 for PX)

- CCP4 offers "cradle to grave" coverage of structure determination process
 - Some areas stronger than others ...
 - Well-integrated with other (non-CCP4) software
 - Easy to switch back and forth
- CCP4i makes it easy to work quickly on multiple projects
- Lots of good stuff still to come
 - Molecular graphics, Phaser, Pirate, BP3 ...

Take home points from Gwyndaf's talk (using MOSFLM and SCALA)

- Collect the best data possible (no software can rescue bad data)
- Check logfile output and graphs for indications of things going wrong (and advice on how to fix)
 - look for sudden deviations from smoothly-varying behaviours
 - programs offer ways to correct for many of these
- Run SCALA immediately after MOSFLM
 - ideally during data collection

My take home points from Martyn Winn's talk (REFMAC5 and TLS)

- It's always worth trying TLS (nothing to lose)
 - only adds 20 extra parameters per group
 - often works better for low/medium resolution data
- It's worth experimenting with assignment of TLS groups
 - analysis tools can help optimise
- Analysis of TLS parameters may suggest biologically significant protein motions

Take home points from Liz's talk (CCP4 Molecular Graphics)

- Structure/map viewer with CCP4 look-and-feel
- Easy menu-driven way of creating complex diagrams
 - review structure (surfaces, accessible surfaces...)
 - superposition of structures
 - electron density maps ...
- See http://www.ysbl.york.ac.uk/~ccp4mg
- It's also going to be in next CCP4 release

Take home points from Paul's talk (Coot)

- Coot: a powerful integrated system for building/refinement and validation (in development)
- Remember the "A" key when Real Space Refining
- It's also in the next release of CCP4

Take home points from Kyle's talk (Validation and Deposition)

- Validate
- Validate ...
- Validate!
- Remember to keep talking!
 - depositors and annotators are on the same side

And finally ...

- Thanks to the speakers
- Thanks to Claudio for dealing with A/V
- Thanks to the organisers
- Thanks to you for coming
 - please return your questionnaires
- And ... please come and visit the CCP4 and wwPDB booths in the exhibition!